

NIA GUIDE

INTERNATIONAL GUIDE

TO THE UK CIVIL NUCLEAR INDUSTRY

October 2026



Department for
Business, Innovation,
Science and Trade

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Registered Office - 4th Floor, York House,
23 Kingsway, London WC2B 6UJ

EMAIL info@niauk.org

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FOREWORDS



Department for Business, Innovation, Science and Trade

The United Kingdom is entering the most significant period of nuclear expansion in a generation. Nuclear power sits at the heart of our plan for clean, secure and affordable energy – providing the firm, low-carbon baseload that underpins energy security, long-term industrial growth and the reindustrialisation of communities across the country. As set out in the Government's Industrial Strategy, nuclear energy is also a major economic opportunity: supporting high-value manufacturing, resilient supply chains, skilled jobs and regional investment, while helping UK industry compete in the clean energy economy. Internationally, the UK is a committed partner. We work through the International Atomic Energy Agency and with allies across Europe, North America, the Indo-Pacific and the Middle East to support the safe, secure and peaceful use of nuclear technology, and we were proud to join the global commitment to expand nuclear capacity by 2050. Our international work and export offer all reflect a simple conviction: the transition to clean energy is a shared undertaking.

This directory introduces some of the UK companies ready to support that effort – in law, consultancy, finance, engineering and assurance. They bring decades of experience from one of the world's longest-established civil nuclear industries, and each is ready to work with international partners wherever they are in their nuclear journey. The Department for Business Science Innovation and Trade stands ready to help countries and companies who want to delve into or expand their civil nuclear ambitions.

Rodney Berkeley CBE

Director for Infrastructure and Technology

Department for Business, Innovation, Science and Technology



Nuclear Industry Association

Over generations, the UK has built an exceptional breadth and depth of expertise across the nuclear life cycle. From research and innovation, fuel, construction, operations, decommissioning and waste management, we have world-leading capabilities. Now, the UK is at the forefront of developing advanced nuclear technologies that will shape the future of civil nuclear.

Taken together, the UK is uniquely positioned as an international partner that can support countries with developed or developing nuclear programmes. Across the world, organisations can draw on the UK's decades of experience, from highly technical services to the wider skills and expertise needed to develop, operate and decommission nuclear facilities.

That's why, in collaboration with the UK Government's Department for Business and Trade, we have produced the NIA's International Guide. It brings together UK civil nuclear companies with international capabilities, expertise, and experience to provide a clear overview for international organisations, including trade associations, embassies, and companies seeking UK expertise.

The timing of this guide is particularly important. Global interest in nuclear power is growing as countries look to strengthen energy security and invest in new nuclear technologies to cut carbon emissions and reliance on volatile international markets. At the same time, many countries face the challenge of safely managing ageing facilities, waste and decommissioning. To take full advantage of what nuclear offers while reducing costs and delivery timelines will require strong international collaboration, reinforced by resilient supply chains.

As the UK's civil nuclear industry trade association, the NIA represents more than 340 members across the supply chain. We exist to help our members develop their businesses in the UK and overseas, working closely with the Government and partners across the international nuclear community. I hope this guide aids in opening the door to new partnerships, investment and opportunities for collaboration.

We look forward to forging new relationships around the world and helping to deliver the next generation of safe, secure and successful nuclear programmes.

Tom Greatrex

Chief Executive

Nuclear Industry Association

Key Contact:

Andrew Poyser
Director of Clerking
ap@39essex.com
+44 (0)7921 880 669

Visit:

 39essex.com
 [39-essex-chambers](https://www.linkedin.com/company/39-essex-chambers)

39 Essex Chambers houses some of the most experienced barristers in the nuclear sector, drawing strength and depth from the energy, construction and commercial, insurance and reinsurance, environment, planning and property expertise.

Our barristers act on proposals for the development of nuclear power stations and other facilities under development consent orders, as well as advising on regulatory matters, site licencing, safety and on the clean-up of nuclear sites.

39 Essex Chambers offers excellence across a broad range of legal disciplines underpinned by a strong heritage.

Exportable Expertise:

- Construction, manufacturing & commissioning
- Consultancy
- Contractual frameworks
- Decommissioning
- Decontamination
- Dispute Boards
- Environmental Studies
- Financial & Insurance Consultancy
- Insurance policy Issues
- International Arbitration
- International Trade & Export Control Regimes
- Legal Advice
- Nuclear Safety & Licensing
- Packaging for transport & storage of radioactive materials
- Power generation & plant operations
- Planning advice
- Procurement & projects
- Regulation
- Site Selection & Infrastructure
- Site remediation
- Storage & Transport
- Waste Management

Company Experience:

39 Essex Chambers acts for the full range of clients in the nuclear sector, including developers and industrial operators, central government and local authorities, government agencies, interest groups and environmental NGOs.

Members of the team deal with applications related to nuclear development, for example, cooling water extraction and discharge. We have advised on emergent nuclear AMR/SMR technology and on nuclear liabilities, insurance, reinsurance and decommissioning. We are consistently recognised for our capabilities in delivering strategic advice and undertaking premium advocacy in technically demanding cases across global arbitral institutions.

Our arbitrators have been appointed as Presiding, Chair, party-appointed and sole arbitrators in nuclear disputes globally in complex, cross-jurisdictional matters, under institutional and ad hoc rules, including ICC, LCIA, KCAB, UNCITRAL, SIAC, DIAC, HKIAC and as dispute board members. Regularly recognised as a prominent arbitration and ADR chambers, 39 Essex Chambers boasts a stable of leading ADR practitioners, working globally from our offices in London, Singapore and Dubai. Members of our international arbitration team are ranked for their expertise across complex, high-value disputes in the nuclear, infrastructure and construction sectors.

Our expertise covers:

- Administrative and public law
- Alternative dispute resolution
- Clinical negligence and personal injury
- Commercial
- Construction, infrastructure and engineering
- Costs and litigation funding
- Energy and natural resources
- Environment
- EU Law
- Healthcare
- Information and media
- Inquiries and investigations
- International arbitration
- Planning
- Property
- Public International Law
- Regulatory and disciplinary
- Tax Law

A&O SHEARMAN

Key Contact:

Troy Edwards

Partner

troy.edwards@aoshearman.com

+44 (0)20 3088 4718

Visit:

 aoshearman.com

 [aoshearman](https://www.linkedin.com/company/aoshearman)

A&O Shearman is a leading global law firm of nearly 7,000 partners, lawyers and business professionals working across 28 countries, and we have the depth of experience our clients rely on to grow and maintain a competitive advantage.

We provide a truly global offering with unmatched local reach and depth which is tailor-made for complex, cross-border work.

Exportable Expertise:

- Development
- Construction
- Financing
- Regulation
- Environmental issues
- Operation & Maintenance
- Refinancing
- Sale & purchase
- Decommissioning

Company Experience:

A&O Shearman is a leading global law firm of nearly 7,000 partners, lawyers and business professionals working across 28 countries, and we have the depth of experience our clients rely on to grow and maintain a competitive advantage. We provide a truly global offering with unmatched local reach and depth which is tailor-made for complex, cross-border work.

Our dedicated nuclear team is exceptionally experienced and understands the market and the unique challenges encountered in developing, constructing and financing nuclear power projects.

Our expertise covers the full spectrum of issues encountered during the life cycle of nuclear assets, from the establishment of new laws governing nuclear regulation, development, consenting, environmental and planning processes, through to construction, financing, operation and maintenance, and ultimately, their refinancing, sale, purchase and decommissioning.

Our team members also have unparalleled experience in “first instance” projects that require creative solutions designed to achieve a deliverable balance of governments’, private developers’, vendors’ and lenders’ interests.

Our past nuclear work includes advice in connection with:

- Sizewell C NPP
- Hinkley Point C NPP
- Wylfa Newydd NPP
- Oldbury NPP
- Cernavodă NPP Unit 1
- Visaginas NPP
- Kozloduy 7 NPP
- Belene NPP
- Mochovce NPP Units 3 & 4
- Oskarshamn 2 NPP
- Hanhikivi 1 NPP
- Olkiluoto 3 NPP
- Olkiluoto 4 NPP
- Flamanville NPP
- George Besse II
- Penly NPP
- Gen IV SMR Project in Western Europe
- SMR project in Western Europe
- Akkuyu NPP
- Uzbekistan NPP
- Jordan NPP
- Barakah NPP
- El Dabaa NPP
- Nucleoeléctrica Argentina NPP
- Poland Nuclear New-build Programme

Key Contact:

Gabriella Cursoli

Project Management Officer

gabriella@ab5consulting.com

+44 (0)20 8997 2987

Visit:

 ab5consulting.com

 [@AB5Consulting](https://twitter.com/AB5Consulting)

 [ab5-consulting-ltd](https://www.linkedin.com/company/ab5-consulting-ltd)

AB5 Consulting fosters innovation to empower other organisations to achieve their full potential.

AB5 Consulting is a B Corp-certified SME based in London and in France offering expert advice and innovative solutions to the nuclear sector. With years of experience in international organisations and contacts with a wide range of stakeholders in the UK and abroad, AB5 is the ideal reference point for new and existing businesses requiring support and advice about a range of activities.

Exportable Expertise:

- Client representation at national and international organisations including the International Atomic Energy Agency, International Civil Aviation Organisation, International Maritime Organisation, Nuclear Decommissioning Authority, the World Nuclear Transport Institute, Sellafield Ltd
- Project management as a service
- Project monitoring
- Market access & positioning strategy
- Development of system requirements
- Bid and tender writing & preparation
- Technology integration
- Stakeholder management
- Packaging & transport of nuclear material
- Sensing solutions
- Expert advice & tailored research to UK and EU academic institutions

Company Experience:

Some examples of our most recent achievements are:

- A two-year feasibility project (2024-26) funded by the UK Innovate Ukraine programme and in partnership with Hydrogen Ukraine H2U. The project focused on the feasibility of producing green hydrogen and ammonia, and renewable energy sources in Ukraine.
- AB5 Consulting has conceived an economic smart connected hub and sensing solution. This technology, initially conceived to support farmers in remote monitoring, is applicable to an array of uses and sectors, including the nuclear one.
- Regulatory support related to the nuclear industry and transport of dangerous goods (2024).
- Extensive research, followed by contacts and international client representation at Sellafield to assess interest in plutonium-powered solutions (2023).
- A study for the UK Nuclear Decommissioning Agency to sort and segregate lower and intermediate nuclear waste (2021).
- Representation of a remote monitoring system of concrete corrosion through a non-invasive methodology.
- AB5 promotes brilliant solutions in the UK, France, the insurance world and in the nuclear domain.
- Ensuring the continuity of service for the transport of a radioactive material with improved safety, security, and cost-effectiveness (£2M-value project).



Key Contact:

Anthony Fairclough

Business Manager

a.fairclough@abmi-groupe.com

+44 (0)7570 476 738

Visit:

 abmi-groupe.com

 [abmi-uk](https://www.linkedin.com/company/abmi-uk)

ABMI Engineering is part of a leading international engineering consultancy group with over 35 years of experience operating within highly regulated sectors. In the UK, we are leveraging this expertise to support major projects across the Energy sector, helping clients deliver complex and strategically important programmes.

We are a multi-disciplinary engineering consultancy working at the heart of major industrial and technological challenges across energy, infrastructure and defence industries. Our role is to provide agile, reliable, and dedicated engineering support that enables our clients to focus on delivery, innovation, and long term project success.

Exportable Expertise:

- Engineering and Construction

Company Experience:

ABMI Engineering is part of a leading international engineering consultancy group with more than 35 years of experience delivering expertise within highly regulated and technically demanding industries. Operating across the UK, we support major projects throughout the energy sector, helping clients successfully deliver complex, high-value programmes that are critical to the future of national infrastructure and energy security.

As a multi-disciplinary engineering consultancy, we provide specialist engineering, project management, and technical support services across the energy, infrastructure, and defence sectors. Our teams work closely with clients to strengthen project delivery capability, providing the expertise, flexibility, and resources required to overcome technical challenges and meet ambitious project objectives.

We pride ourselves on delivering agile, reliable, and dedicated support tailored to each client's needs. Whether contributing to large-scale new build programmes, operational improvements, or long-term strategic initiatives, our focus remains on creating value through engineering excellence and collaborative partnerships.

Our nuclear experience covered decommissioning, nuclear fuel, and aging asset management, with active nuclear new build experience (EPR-2, HPC, SZC, Flamanville, Olkiluoto, Taishan) with major scopes of work across all engineering disciplines.



Key Contact:

Helen Barrow

Managing Director-Resources UK

helen.barrow@accenture.com

+44 (0)7970 339 697

Visit:

 [accenture.com](https://www.accenture.com)

 [@Accenture](https://twitter.com/Accenture)

 [accenture](https://www.linkedin.com/company/accenture)

Accenture is a global professional services company supporting organisations across the world. We work with nuclear operators, regulators and supply chain partners to deliver solutions across the full nuclear lifecycle—from new build and commissioning through to operations and decommissioning.

Our teams combine industry knowledge with digital, data and technology expertise to help clients reinvent ways of working helping them perform more efficiently, improve safety and compliance, and respond to growing demand for secure, low carbon energy.

Exportable Expertise:

Accenture supports organisations with nuclear interests globally with delivery across the full nuclear lifecycle, from new build through to operations and decommissioning.

Our key areas of expertise include:

- Digital transformation of operational & engineering environments
- Modernisation of core systems (including Enterprise, finance, engineering, workforce & asset management systems)
- Data and AI to improve planning, maintenance & decision-making
- Regulatory & compliance support aligned to international standards
- Cyber Security services
- Programme and project delivery services
- Supply chain & workforce transformation

Company Experience:

Accenture works with the world's leading organisations with nuclear interests to deliver large, complex programmes and improve performance in highly regulated environments.

Our experience includes supporting the setup and mobilisation of major nuclear programmes, including developing strategies for investment and development, organisational design, and ways of working needed to deliver at scale. We help clients establish the right structures from the outset, ensuring clarity of roles, effective decision-making and alignment across multi-party delivery organisations.

A core part of our work is helping organisations build or modernise their “digital core”—the essential systems that underpin enterprise, engineering, asset management, workforce and supply chain. In nuclear environments, our experience is that this foundational approach is critical to ensuring accurate data, strong controls and efficient operations across long project lifecycles. We have supported implementations and transformations of these platforms in partnership with nuclear clients globally.

We support operators in making better use of data to improve maintenance, outage planning and asset performance, while working within strict safety and regulatory requirements.

Accenture teams combine deep industry understanding with practical delivery at scale. We bring together strategy, technology and operations teams to work as one, allowing us to move from early programme setup through to implementation and ongoing operations.

With experience across multiple international programmes and regulatory environments, we apply proven approaches while adapting to local requirements. Our focus is on helping nuclear organisations deliver projects more effectively, operate more efficiently, and build the foundations needed for long-term, predictable performance.



Key Contact:

Jonathan Scott

Managing Director

jonathan.scott@acuity-eng.co.uk

+44 (0)7752 269 071

Visit:

 [acuity-eng.co.uk](https://www.acuity-eng.co.uk)

 [acuity-eng](https://www.linkedin.com/company/acuity-eng)

Acuity Engineering sits at the heart of Project Delivery, from initiation and Front-End Engineering through to commissioning and benefits realisation.

Our mission is to improve the delivery of our clients' complex multi-disciplinary projects with our leading Project and Engineering Management services.

We recruit for technical excellence, specialist skills and ethics that align with our vision of being a leading engineering solutions provider for complex, multi-disciplinary programmes in the Global MEP and Energy industries.

Exportable Expertise:

- Design consultants
- Electrical engineering
- Electrical, controls & instrumentation (EC&I)
- Mechanical Engineering
- Metal Doorsets
- Consultancy
- Contract Management
- Fusion
- Nuclear Fuel Cycle Services
- Nuclear Safety & Licensing
- Process Engineering
- Programme & Project Management
- Risk Management
- Supply Chain Management
- Nuclear Material Handling Equipment

Company Experience:

Delivering complex technical and engineering projects in high-regulation sectors like nuclear and major infrastructure demands more than technical capability, it requires integration. We've seen firsthand how early and continuous alignment between clients, and their supply chain is a critical success factor that often determines whether a project meets its objectives.

Integration, when embedded from day one, drives alignment, accelerates decision-making, and eliminates costly inefficiencies. It underpins the "right first time" outcomes that clients demand.

By providing a highly capable team to act as a dedicated technical integrator, we ensure:

- Clear alignment of objectives between client and delivery teams
- Accurate and traceable requirements management
- Streamlined, informed decision-making
- Early involvement and collaboration with the supply chain
- Realisation of project benefits—on cost, on time, and to specification

With proven experience on Sizewell C, SMRs, and HS2, we deliver high-value, technically complex projects through strong technical leadership and engineering assurance. We act as the glue that connects people, systems, and goals, ensuring compliance, programme certainty, and consistent technical direction.



Key Contact:

Peter Sibley

Head of Nuclear

petersibley@ada-mode.com

+44 (0)7561 806 028

Visit:

 ada-mode.com

 [ada-mode](https://www.linkedin.com/company/ada-mode)

Ada Mode is a leading SME in the field of AI and data science for the civil nuclear, manufacturing and energy sectors. They are trusted by owners and operators of critical national infrastructure to improve plant performance, accelerate new build projects, reduce cost of operation and increase safety through building custom data-driven applications.

Ada Mode's specialists work closely with organisations in the nuclear sector to support AI adoption, undertake industrial data engineering and perform complex data simulation and modelling to support process optimisation.

Exportable Expertise:

- Artificial Intelligence
- Asset Care/Management
- Digital Consultancy
- Digital Engineering
- Infrastructure Design
- Knowledge Management
- Modelling & Simulation
- Nuclear Safety and Licensing
- Predictive Maintenance Solutions

Company Experience:

Ada Mode helps organisations to maximise data capabilities, track model performance, and drive powerful analytics. Its team of consultants and engineers bring hands on practical skills to data science, engineering challenges and project delivery, deploying digital solutions to support analytics for complex operational problems.

Ada Mode's team has worked on some of the most challenging projects across the civil nuclear sector. Notably, having worked with nuclear operators on the development of their AI strategies, they have significant experience of how regulatory bodies need to be included in discussion to enable long-term success, and also how data security concerns and data architecture complexities can be addressed.

The majority of Ada Mode's civil nuclear sector work has been in support of Sellafield, EDF Energy and the Hinkley Point C Project, covering AI Adoption Strategy development, refuelling outage optimisation, development of predictive maintenance tools and integrating data-informed programme delivery tools:

- **Modelling, Simulation and Analytics** — simulating complex and sensitive systems and processes to support design decisions and changes to operational philosophy.
- **Digital Operations and Maintenance** — developing digital tools to improve operation and maintenance activities, including deployment of predictive maintenance and outage management solutions to support effective long-term asset management.
- **AI Adoption and Digital Strategy** — support to regulated organisations with the adoption of AI to drive operational change.
- **Large Language Model and AI Development** — development of custom AI solutions to interrogate large, technical and sensitive documents, and integrate with engineering processes to accelerate system design and development.
- **New Build** — support to owners of major civil nuclear projects by developing enterprise data models, digital tools and analytics to accelerate and derisk major project delivery.



Key Contact:

Dave Taylor

Head of UK Nuclear, Director

dave.taylor@afry.com

+44 (0)1925 288 408

Visit:

 afry.com

 [@AFRY_global](https://twitter.com/AFRY_global)

 [afry](https://www.linkedin.com/company/afry)

AFRY Solutions UK is a subsidiary of the international design, engineering and consulting company AFRY. We have over 35 years' experience in UK and international nuclear markets and specialise in nuclear safety case production, update and engineering design.

AFRY is an international consulting and engineering company. We serve clients globally across the energy and industrial sectors and provide local services in our core markets.

AFRY provides engineering and consultancy services for the nuclear energy sector over the entire lifecycle of Nuclear Power Plants and supporting facilities/services with 40 years of experience in nuclear energy in Europe and worldwide.

Exportable Expertise:

- Asset Care/Management
- Consultancy
- Contract Management
- Decommissioning
- Education
- Environmental Studies
- Geotechnical & Seismic Studies
- Infrastructure Design
- LEV and Extraction Systems
- Modelling & Simulation
- Nuclear Fuel Cycle Services
- Nuclear Safety & Licensing
- Process Engineering
- Programme & Project Management
- Radiological Protection
- Reactor Design & Developer/Utility
- Risk Management
- Site Selection & Infrastructure
- Supply Chain Management
- Training
- Waste Management
- Civil Structural & Architectural Design
- Design Consultants
- Electrical, Controls & Instrumentation (EC & I)
- Electrical Engineering
- Mechanical Engineering
- Safety Case & Safety Analysis
- Licencing & Regulation

Company Experience:

We have 650 highly skilled nuclear staff members spread over six European Competence Centres whose competences are leveraged by about 16,500 other multidisciplinary engineers within AFRY's global network. Our clients for nuclear energy services include Developers, Owners, Vendors, Contractors, Regulators and Financial Institutions. AFRY has an established reputation for providing an independent, comprehensive and flexible, value for money service that works in the best interest of the client without compromise.

AFRY Solutions UK, the UK based part of the AFRY Energy Division, has provided nuclear consultancy in the UK and overseas for over 35 years. Our experience covers:

- Nuclear New Build (Nuclear Site Licensing and production of Pre-Construction Safety Report).
- Power reactors, research reactors, fuel cycle & waste management facilities, research facilities, radioactive waste repositories.
- PWR, BWR, VVER, Gas cooled.
- Lifecycle, Plant Upgrades/Power Upgrades, Life Extension, Decommissioning.
- Utilities, vendors & regulators.
- Small Modular Reactors and Advanced Modular Reactors.
- UK, Switzerland, Finland, Sweden, Hungary, Czech Republic, Turkey, Saudi Arabia, Slovakia, Thailand, Japan, South Africa.

We have 40+ staff in safety and licensing supported by technical experts in various engineering disciplines. Our competences include:

- Safety case production, review & update,
- Nuclear Site Licensing,
- Safety Management & Organisational Development,
- ALARP Assessments,
- Radiological Protection,
- Spent Fuel & Radioactive Waste Management,
- Radioactive Waste Inventory services,
- Waste characterisation, treatment & packaging studies,
- Probabilistic & Deterministic Safety Assessment,
- Safety Assessment Reports (production & independent review),
- Reactor technology studies,
- Decommissioning, waste management & fuel strategies.
- Nuclear HVAC engineering design & review,
- Engineering Substantiation,
- Quality assurance & quality control.

We also have an established supply chain to cover other specialist areas to suit our clients' needs.



Key Contact:

Jacob Robinson-Young

Director of Corporate Affairs

jacob.robinson-young@agilia.co.uk

+44 (0)7394 801 412

Visit:

 agilia.co.uk

 agilia-transformation-ltd

Agilia is a specialist infrastructure consultancy working at the forefront of the UK's most significant infrastructure projects. Established in 2016 and a team of over 100 professionals, we operate across the full infrastructure lifecycle and are currently engaged on projects with a combined capital value exceeding £100 billion across energy, water, transport and defence.

A key differentiator is our first-hand experience developing revenue models and supporting project financing, including Thames Tideway Tunnel, Hinkley Point C and Sizewell C. Our client-side expertise spans strategic, commercial, financing, procurement, organisational design and project management, enabling delivery of major, often first-of-a-kind, infrastructure projects.

Exportable Expertise:

- Consultancy
- Contract Management
- Decommissioning
- Financial & Insurance Consultancy
- Knowledge Management
- Programme & Project Management
- Site Selection & Infrastructure
- Supply Chain Management

Company Experience:

Agilia's expertise includes commercial, regulatory, finance, procurement, and project management disciplines. Many of our team have operated as clients in the Energy, Water and Transport sectors and understand the challenges in the development and delivery of large infrastructure projects.

We have extensive experience and understanding of the requirements to deliver nuclear projects in the UK. Agilia has been working with the Sizewell C team for 7 years, providing strategic guidance, and services in programme management, supply chain and commercial management, governance and ESG.

Building on our firsthand experience in deploying the Regulated Asset Base (RAB) model for the Thames Tideway Tunnel project, we have assisted with the development and negotiation of the nuclear RAB model and related documents and the successful raising of finance, as well as playing a key role in making the business case for the £38 billion project with government.

We have also supported the company set-up and transition from EDF, including implementation of the new financing requirements, development and execution of the commercial and procurement strategy including embedding ESG requirements, and client-side support on the Civil Works Alliance with establishment and management of the contract governance and assurance framework for the Target Outturn Cost (TOC) packages.

Since 2023, we have advised Great British Energy – Nuclear, providing organisational development, commercial and financial advice to the set-up of the Small Modular Reactor programme. This included the technology selection process, development of potential funding model options for the programme and DESNZ's Advanced Nuclear Technology programme.

We have also previously provided multifaceted support to Radioactive Waste Management Limited (now Nuclear Waste Services) in connection with the development and siting of the UK's proposed £15bn GDF for the safe, long-term management of higher-activity radioactive waste. Our involvement spanned project director services, cost management, financial modelling, social value advisory, and knowledge transfer.



Key Contact:

Paul Evans

Product Manager - Nuclear

paul.evans@alleima.com

+44 (0)1782 459 060

Visit:

 alleima.com

 [@Alleimagroup](https://twitter.com/Alleimagroup)

 [alleima](https://www.linkedin.com/company/alleima)

Alleima (formerly Sandvik Materials Technology) is a leading manufacturer of high value-added products in advanced stainless steels and special alloys.

We are here to advance industries through materials technology. Our development and manufacturing of advanced stainless steels and special alloys are world-leading. It's what we've been doing for over 160 years, and it's still our reason to exist.

Alleima is a world-leading developer and manufacturer of products in advanced stainless steels and special alloys for the most demanding environments, as well as products and systems for industrial heating.

Exportable Expertise:

- Supply of Materials
- Testing and Inspection

Company Experience:

For more than 50 years, Alleima has delivered top-of-the-range products to nuclear power plants worldwide for both pressurized and boiling water reactors, including delivery of tubes to more than 400 steam generators and over 60,000,000 meters of Zr fuel tubes.

It has comprehensive experience in the industry through supplying a variety of components for almost every part of a nuclear power plant. These include steam generator tubing, nuclear fuel tubing and a wide range of seamless tubes and pipes. Because Alleima is a research-based company with global presence, it is able to respond quickly to market needs and customer demands.

The company's extensive program of seamless tube and pipe is designed for a wide range of applications in the primary, secondary and auxiliary systems of nuclear power plants. These include:

- Tube and pipe for piping systems
- Heat exchanger tubes (straight or u-bent)
- Thick wall tubes for control rod assemblies
- Instrumentation tubing
- Precision tubes for nuclear fuel applications

Key to the Alleima nuclear offering is a completely integrated manufacturing process, from melt to finished product. Together with a comprehensive quality assurance system implemented throughout the entire organisation, this enables full control and optimization of the critical process parameters to safeguard the extremely high quality and material property requirements.

Alleima's unique ability in meeting material specifications lies in its extensive R&D resources and expertise in producing materials exactly in accordance with customer specifications. With a focus on reliability, predictability and low risk, Alleima's products and services are ideal components for an industry that is critical to the global energy future.



Key Contact:

Matt Taylor

Deputy Managing Director

matt.taylor@alphaltd.org

+44 (0)1772 456 555 Ext. 1001

Visit:

 alphaltd.org

 alpha-engineering-org

Alpha Engineering provides market-leading design consultancy services, delivering effective full-project-lifecycle solutions focused on nuclear HVAC and containment, mechanical and electrical building services. Founded in 1999, it provides support from design to commissioning of mechanical and electrical, control and instrumentation (EC&I) aspects of containment ventilation and building services, whilst additionally undertaking standalone EC&I packages associated with mechanical and process plant as a whole.

Alpha Engineering specialise in providing such services to highly regulated industries such as nuclear, defence, rail, energy from waste, pharmaceutical and hospitals, where a structured approach and well-documented/substantiated type of support is necessary.

Exportable Expertise:

- Design Consultants
- Electrical, Controls & Instrumentation (EC & I)
- Mechanical Engineering
- Building information Modelling (BIM)
- Consultancy
- HVAC Ductwork Contractors
- LEV & Extraction Systems

Company Experience:

Alpha Engineering believes its offering of cradle to grave support, i.e. concept design, scheme design, detailed design, building information modelling, manufacturing drawings, technical expertise to the procurement process, vendor assessments, technical support to manufacture, verification of manufacturer's equipment specifications/general arrangements, factory acceptance testing procedure production and witnessing, commissioning documentation, inactive and active commissioning, technical handover and forming the life time quality records, is a reasonably unique offering, and one that promotes an ownership/delivery culture, absent from many design only consultancies.

Currently these services are being embraced by companies such as Westinghouse, MTC, WYG, Shepley Engineers Ltd, M+W Group, Sellafield Ltd, Boulting Environmental and Nuclear, SPIE, NSG, EMCOR, Urenco Nuclear Stewardship, GHD Livigunn, Red Engineering, Kimberley Clarke and M+W Hargreaves.

Alpha Engineering is privately owned by myself and although I remain hands on within the business, I have implemented a Management Structure that supports a longer term development plan. I still add value at critical 'pinch points' for all projects, encouraging innovation, simplicity and best value solutions for clients.

To provide such a delivery, every member of the Alpha Engineering team is technically competent and have additional managerial skills to enable confident delivery of company requirements such as quality management, security, CDM regulations compliance, contract management and project management. This approach results in these support activities complementing the engineering activities, not preventing or hindering them.



Key Contact:

Michael Moulin-Ramsden
Business Development Director
mramsdn@nftinc.com
+44 (0)7398 218 206

Visit:

 alphasafetyco.com
 [alpha-safety-co](https://www.linkedin.com/company/alpha-safety-co)

Alpha Safety delivers specialist technologies, engineered products and operational services supporting defence, government and commercial nuclear programmes in the UK and internationally.

Our capabilities span nuclear material handling, waste characterisation, criticality safety, containment and ventilation systems, advanced manufacturing and field services.

Alpha Safety supports mission-critical cleanup and remediation projects, national security programmes, fuel cycle operations and advanced reactor initiatives, including SMRs and advanced nuclear technologies.

Exportable Expertise:

Alpha Safety exports expertise in the safe handling, characterisation, containment, transport and storage of radioactive materials across defence, government and commercial nuclear sectors. Key capabilities include:

- Nuclear waste characterisation & remediation
- Criticality safety systems & radiological monitoring
- Plutonium and transuranic waste management
- Containment, ventilation & filtration engineering
- Nuclear transportation & packaging solutions
- NQA-1 manufacturing & supply chain delivery
- Site operational support, maintenance & field services
- Support for advanced reactor, fuel cycle & SMR programmes

Company Experience:

Alpha Safety supports government, defence and commercial nuclear customers across the United Kingdom and United States, delivering technologies, engineered products and specialist services throughout the nuclear lifecycle. The company's technologies and services support operations across the US Department of Energy complex and underpin fuel cycle, remediation, decommissioning and national security programmes.

Nuclear Material Handling & Storage

Alpha Safety provides proprietary solutions for the handling, storage and transportation of plutonium, transuranic waste and other radioactive materials. This includes the SAVY-4000 container system, developed and deployed across the US Department of Energy complex for the safe storage of nuclear materials.

Criticality Safety & Radiological Monitoring

The company designs, supplies and supports Criticality Accident Alarm Systems (CAAS), radiological monitoring systems and associated operational support services for fuel cycle and nuclear facilities.

Containment, Ventilation & Filtration

Alpha Safety delivers containment and contamination control solutions, including the Perma-Con® modular containment system, portable HEPA filtration units and specialist ventilation systems supporting decommissioning, remediation and operational nuclear facilities.

Waste Characterisation & Remediation Support

Security-cleared field engineers, physicists and technicians provide radioactive waste characterisation, assay testing, flammable gas monitoring, data analysis and remediation support services for government and commercial customers.

Advanced Nuclear Manufacturing

With more than 25 years of NQA-1 manufacturing experience, Alpha Safety provides precision fabrication, machining and assembly of highly engineered nuclear components, transport packages and specialist equipment.

Alpha Safety's capabilities support nuclear operations, fuel cycle facilities, decommissioning programmes, national security missions and advanced reactor developments, including SMR and advanced nuclear technologies.



Key Contact:

Paul Cholat

Senior Business Development Manager

paul.cholat@alten.com

+33 (0)633 533 610

Visit:

 alten.com

 [@ALTEN_group](https://twitter.com/ALTEN_group)

 [alten](https://www.linkedin.com/company/alten)

ALTEN is a world leader in outsourced engineering and IT services, with a significant presence in the UK, particularly in the nuclear sector.

In the UK, ALTEN works with prestigious companies in the energy sector, in particular EDF and Rolls Royce, where it provides engineering and consulting services.

Exportable Expertise:

ALTEN offers a wide range of services to meet its customers' needs, including:

- **Engineering and design:** ALTEN offers expertise in design, R&D, production methods and supply chain management.
- **Project management and support:** the company provides project management, PMO (Project Management Office) and customer support services.
- **IT services:** ALTEN offers solutions in software development, cybersecurity and network infrastructure.
- **Expertise specific to the energy sector:** ALTEN has cutting-edge expertise in the nuclear sector, with UTO qualifications and experience in projects such as Hinkley Point C. It is also active in renewable energies, oil and gas.

Company Experience:

ALTEN demonstrates strong capabilities in the offshoring of engineering activities from the UK through a mature, scalable, and integrated global delivery model.

Present in more than 30+ countries with approximately 57,400 employees worldwide, the group leverages a significant international footprint, including a strong offshore base of over 8,600 employees in India, to support large-scale engineering programmes. Leveraging a network of offshore delivery centres across multiple countries, including India, Romania and Spain, ALTEN mobilises several thousand consultants to deliver high-quality engineering services at optimised cost.

From the UK, projects are structured around a hybrid model combining local front-office teams with offshore back-office execution, ensuring alignment with client requirements while maintaining efficiency and flexibility. Dedicated processes for ramp-up, talent acquisition and knowledge transfer enable rapid scaling of engineering teams, with proven large-scale offshore deployments on complex programmes supported by robust governance frameworks, common engineering standards and digital collaboration tools ensuring seamless integration.

ALTEN implements various operational models, ranging from service contracts with resource commitments to contracts with performance commitments. It also offers customized solutions to meet the specific needs of its customers.

ALTEN's strength lies in its highly qualified engineers and consultants, its rigorous recruitment process and its commitment to training and skills development. In addition, the company is certified for quality, safety and environmental protection, demonstrating its commitment to excellence.

In summary, ALTEN is a trusted partner for energy companies in the UK, offering a combination of technical skills, sector expertise and flexible operating models to meet the sector's complex challenges. The company is capable of managing large-scale projects, mobilizing its teams rapidly and guaranteeing a high quality of service.



Key Contact:

Alivia Topham-Sing

Business Development Manager

alivia.topham-sing@amentum.com

+44 (0)7435 177 027

Visit:

 [amentum.com](https://www.amentum.com)

 [@amentum_corp](https://twitter.com/amentum_corp)

 [amentumcorp](https://www.linkedin.com/company/amentumcorp)

Amentum is a global leader in advanced engineering and innovative technology solutions whose experience, passion and purpose drive mission success. We support our government and private sector clients in the UK and internationally to safely manage and deliver critical nuclear services.

Amentum serves, maintains, protects and supports the most critical programmes in nuclear new build, decommissioning and environmental protection. Our extensive understanding of the nuclear regulatory environment in multiple geographies, our nuclear subject matter experts, and our strong programme and site management capability enable us to succeed even in the most challenging situations.

Exportable Expertise:

- Programme & Project Management
- Decommissioning
- Waste management
- Environmental remediation
- Energy advisory
- Technical safety
- Independent nuclear assurance

Company Experience:

In the UK, Amentum is the delivery partner for project and construction management services at Hinkley Point C; sole program and project management delivery partner at Sizewell C; and supports the UK's existing nuclear power stations under a Lifetime Enterprise Agreement with EDF. We are a major supplier of engineering design, safety case and project management at Sellafield and other nuclear decommissioning sites and we operate the largest private sector complex of nuclear laboratories and engineering test facilities in Warrington.

In continental Europe, we are the technical advisor to Poland's first nuclear power station programme, technical support organisation for the Netherlands' new nuclear programme, FIDIC engineer on the first ever dismantling of RBMK-1500 reactors at Ignalina in Lithuania, lead decommissioning and waste management contractor at four sites operated by the European Commission Joint Research Centre; and an important supplier of operational, decommissioning and waste management services to the European countries most dependent on nuclear energy: France and Slovakia.

In Japan, Amentum provides programme management services to Tokyo Electric Power Company to assist in the restoration of the Fukushima Daiichi Nuclear Power Plant.

For the Australian Nuclear Science and Technology Organisation, we provide radioactive waste management support and independent nuclear assurance.

Amentum is the global delivery partner for Rolls-Royce SMR and we support numerous other new reactor developers with a wide range of engineering, technical and scientific services.

We are construction manager-as-agent for ITER in Provence, France, the world's largest fusion experiment and we are the largest supplier of technical and professional services to the UK Atomic Energy Authority's fusion programme.

Key Contact:

Charles Mendes

Key Account Manager

charles.mendes@ansaldonuclear.com

+44 (0)7975 981 098

Visit:

 [ansaldoenergia.com](https://www.ansaldoenergia.com)

 [@Ansaldo_Nuclear](https://twitter.com/Ansaldo_Nuclear)

 [ansaldo-nuclear](https://www.linkedin.com/company/ansaldo-nuclear)

Ansaldo Nuclear provides engineered solutions across the whole nuclear lifecycle from research through to decommissioning.

Ansaldo's involvement in the nuclear industry began 70 years ago and has endured to this day every nuclear licenced site in the UK has Ansaldo supplied equipment present.

Exportable Expertise:

- Design & supply of bespoke solutions: With particular focus on lifting, handling, shielding & containment

Company Experience:

Ansaldo Nuclear's world class engineering and manufacturing capability enables us to deliver tailored solutions working in partnership with our clients and supply chain. This experience enables Ansaldo Nuclear to integrate at any point of the value chain, from initial research through engineering into manufacture, installation and commissioning.

We are your delivery partner throughout operational life and decommissioning. Our work portfolio includes SMR reactor containment designs, TRL validation rigs for lead-cooled fast reactors, glovebox design & build. In addition, we've been developing a new manufacturing facility.

Sectors

- Research
- Fusion
- Nuclear new build
- Nuclear generation
- Defence
- Plant life extension
- Waste management and decommissioning

Services Rendered

- Consultancy & FEED
- Engineering & Design
- Manufacturing & Procurement
- Assembly & Test

Engineering Solutions Supplied

- Fuel and waste handling
- Treatment and storage
- High-integrity nuclear lifting (cranes, lifting beams)
- Nuclear containments
- Nuclear shielding (gloveboxes, doors, flasks)

**Key Contact:**

Stephen Gormley
Account Manager
sgormley@synopsys.com
+44 (0)7827 989 024

Visit:

 [ansys.com](https://www.ansys.com)
 [@ANSYS](https://twitter.com/ANSYS)
 [ansys-inc](https://www.linkedin.com/company/ansys-inc)

When visionary companies need to know how their world-changing ideas will perform, they close the gap between design and reality with Ansys simulation.

For over 50 years, Ansys software has enabled innovators to push boundaries with the predictive power of simulation. From sustainable transportation to advanced semiconductors, from satellite systems to nuclear power systems, our software will power the next great leaps in human advancement.

Exportable Expertise:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Consultancy
- Modelling & Simulation

Company Experience:

Whether structural analysis, fluid flow modelling or electronics performance, at component, assembly or whole product level, Ansys simulation and data management tools enable engineers to push the boundaries—better understanding, better insight and better outcomes.

From sustainable transportation systems to advanced semiconductors, from nuclear power solutions to life-saving medical devices, the next great leaps in human advancement will be powered by Ansys.

Ansys has had its roots in the nuclear sector, since its inception in the 1970's, providing a mechanical analysis tool to Westinghouse (US) and fluid flow modelling capabilities to the UK Atomic Energy Agency. Ansys has continued to develop and deliver new capabilities across the nuclear sector, from initial design concepts, to power system build and operation, through to decommissioning and waste management.

With ever increasing global demands on the energy and power sectors, along with the pressure from environmental and sustainability requirements, Ansys simulation solutions enable the nuclear sector to deliver better solutions, faster, cleaner and safer.

Key Contact:**Nick Troughton**

Head of Marketing

troughton.nick@antech-inc.com

+44 (0)7920 839 475

Visit: antech-inc.com [a-n-technology](https://www.linkedin.com/company/a-n-technology)

ANTECH (AN Technology Ltd) is a UK manufacturer of radiometric instruments with a daughter company based in the United States (ANTECH Inc).

ANTECH has been established in the international nuclear instrument supply chain since 1987. ANTECH designs, develops, supplies, supports and maintains a wide range of non-destructive nuclear measurement technologies with applications in nuclear safeguards, nuclear waste assay and sentencing and radiation detection. ANTECH instruments measure Special Nuclear Materials (SNM) including uranium and plutonium as well as fission products and radiation in the environment.

Exportable Expertise:

As well as supplying bespoke nuclear materials measurement systems, ANTECH offers measurement services which include consultancy and targeted measurement campaigns, commissioning, training, calibration and system maintenance.

Within the scope of its ISO/IEC 17025 accreditation, ANTECH offers specialist measurement services with trained local technicians remotely supervised by ANTECH experts.

Company Experience:

ANTECH measurement technologies include passive and active neutron measurements and a wide range of gamma-ray measuring instruments. ANTECH is a world leader in the development, design and supply of radiometric calorimeters for the measurement of plutonium, tritium and other heat producing radionuclides.

Exempt and Low Level Waste (LLW) Measurement

ANTECH supplies a range of measuring solutions for sentencing and assay of exempt and Low Level Waste based on gross gamma-ray counting, low resolution and high resolution gamma-ray spectroscopy and active neutron interrogation instruments. ANTECH low-level waste assay instruments are used for waste segregation and sentencing at nuclear power stations and sites worldwide.

Intermediate Level Waste (ILW) Characterisation

ANTECH provides a range of both conventional and innovative solutions for ILW characterisation covering a wide variety of matrix material density and radionuclide activity.

These include segmented and tomographic gamma scanners, surface dose and surface contamination measurements and active and passive neutron measurements for SNM employing differential die-away technology.

Special Measurement Applications & Integrated Measurement Systems

ANTECH develops analysis software and electronic counting systems for all of the measurement technologies that it supports. ANTECH also designs and supplies radiation shielding, waste container and drum handling equipment including conveyor and robotic systems as well as automated integrated waste assay systems involving more than one measurement technology and drum handling and waste volume reduction equipment.

Consulting and Measurement Services

ANTECH staff have extensive experience working on-site in UK nuclear installations and nuclear installations in the US and Europe. With a strong physics base including an MCNP modelling capability as well as experience of international nuclear industry working practice, ANTECH is able to provide a comprehensive nuclear consulting capability with an emphasis on measurements.

Radiation Detection Technology

ANTECH radiation detection equipment includes gamma-ray measuring plastic scintillator based contamination portal monitors and neutron and gamma-ray detecting portal monitors for homeland security applications, based on the use of the SPRT algorithms. ANTECH also supplies instruments for detecting, sorting and sentencing radiation in soil, building rubble and decommissioning waste.



Key Contact:

Saptarshi Mitra
Director Nuclear New Build
smitra@ardatem.com
+44 (0)7777 198 324

Visit:

 ardatem.fr
 [ardatem](https://www.linkedin.com/company/ardatem)

ARDATEM UK stands as a leading nuclear engineering consultancy, offering specialized expertise in Control and Instrumentation (C&I), commissioning, electrical engineering, and nuclear safety.

Our core commitment lies in assisting complex infrastructure programs for construction, elevating their safety, competitive edge, and operational efficiency, all with a strong dedication to minimizing environmental impact and helping achieving net zero target.

Exportable Expertise:

- Design Consultants
- Electrical Engineering
- Electrical, Controls and Instrumentation (EC & I)
- Automation, industrial IT
- Installation site activities
- C&I commissioning
- Operation & Maintenance
- Consultancy
- Education
- Modelling & Simulation
- Nuclear Safety studies
- Programme & Project Management
- Testing & Inspection
- Training

Company Experience:

ARDATEM is a nuclear engineering specialist and wholly owned subsidiary of Gérard Perrier Industrie Group (GPI), a €320M industrial group listed on Euronext Paris. Operating across France and the United Kingdom, ARDATEM delivers integrated engineering services across four core technical domains: Control & Command, Industrial IT, Electrical Engineering and OT Cybersecurity.

Control & Command , electrical and Industrial IT — Under the seven-year EDF framework contract PIAT 19-009, ARDATEM provides Level 1–3 data production and validation, detailed C&C diagram elaboration and SCADA HMI development across the entire French REP fleet covering 900, 1300 and 1450 MWe generations. An experienced multi-discipline team is embedded within EDF DIPDE in a plateau organisation, delivering work classified as Activités Importantes pour la Protection in full compliance with Arrêté INB requirements.

EPR Engineering — Through the Edvance CP2N programme, ARDATEM supports Control & Command engineering on both Flamanville 3 and Hinkley Point C, covering Level 2 programming, V&V recipe writing, hardware modification surveillance and configuration management across SPPA T2000 and Contronic E platforms.

In-House Engineering training and Workshop — The engineering office and 200m² workshop facility delivers electrical design, PLC and SCADA programming, cabinet fabrication, testing and commissioning. Certifications held include Panorama, APSAD, QALIFOUDRE and OT Cybersecurity. The ANTA internal training centre provides full-scale hydraulic loop simulation with end-to-end sensor-to-supervision expertise.

OT Cybersecurity — Through dedicated industrial cybersecurity entity, ARDATEM delivers network architecture design, configuration hardening, managed infrastructure and a structured group-wide training programme with qualified referents actively deployed across all subsidiaries.



Key Contact:

Jeremy Stain

Director, Nuclear Business Leader

jeremy.stain@arup.com

+44 (0)207 755 3640

Visit:

 [arup.com](https://www.arup.com)

 [@Arup](https://twitter.com/Arup)

 [arup](https://www.linkedin.com/company/arup)

Arup is a global firm of engineers, project managers, physical, social and data scientists providing project management, planning and engineering design services in all areas of the built environment. Formed in 1946, the firm now has approximately 20,000 employees supporting global infrastructure project delivery.

As an employee-owned organisation, we are committed to contributing our technical expertise to support projects which have a positive societal, environmental and sustainability impact. We believe in Total Design; an approach to engineering which considers holistic project objectives and impacts with a view to finding the most appropriate multi-disciplinary engineering solutions to the most challenging projects.

Exportable Expertise:

- Nuclear project feasibility assessment
- Technology specification & procurement support
- Project funding & financial structuring support
- Technical Due Diligence & Lenders' Technical Advisor services
- Major project commercial & organisational design
- Programme and Project Management provision & advisory support
- Knowledge, Information & Risk management services
- Environmental Assessment, Permitting & Planning services
- Site assessment, investigation & survey specification & interpretation
- Geotechnical & Seismic Studies
- Civil, Structural & HV Electrical Design
- Construction Management & logistics support
- Supporting Infrastructure Design
- Structural analysis
- Masterplanning & Architecture design services
- Asset Management advisory services

Company Experience:

Arup has considerable experience in the planning, design and delivery of projects across nuclear decommissioning, waste storage, power generation and advanced R&D sectors.

In the Waste and Decommissioning sector, we have supported flask design and analysis, geological disposal facility design, siting and planning assessment and have provided site-wide infrastructure design, delivery and asset-management support to the Sellafield for over 15 years.

We have acted as principal technical advisor to the UK Government's nuclear newbuild programme since 2017. Supporting Government in its engagement with the proposed Wylfa Newydd development and, more recently, supporting Government in its shareholding and financing of Sizewell C. We are now Lender's Technical Advisor for the Sizewell C project.

We are also Technical Advisor to Great British Energy-Nuclear and have provided strategic support to the acquisition and assessment of Wylfa and Oldbury sites, the development of technical specification for the procurement of reactor technologies and the design of the GBE-N project delivery organisational arrangements. We have been appointed as Foundation Engineer to GBE-N's Wylfa project and are delivering early phase design for the "Owner's Scope" aspects of the project.

In addition to these roles we provide a wide range of services to the nuclear sector including:

- Structural Analysis and seismic assessment support to the UK Office for Nuclear Regulation (ONR)
- Tokamak building concept and feasibility design support to the UK fusion programme — UKFS
- Site development feasibility studies for former generation sites, such as Trawsfynydd
- Reactor building decommissioning design — Nuclear Restoration Services
- ILW store design — Nuclear Restoration Services
- Advanced Manufacturing facility design — Sheffield Forgemasters
- R&D facility design — General Fusion
- BOP Building Design — HPC / BYLOR
- Lender's Technical Advisor — HPC LCCC
- Digital services support — Sellafield, ONR
- Knowledge and Information Management services — Nuclear Decommissioning Authority, ONR



Key Contact:

Olivia Breen

UK Marketing Lead

oparsons@assystem.com

+44 (0)7780 667 052

Visit:

 [assystem.com](https://www.assystem.com)

 [@AssystemUK](https://twitter.com/AssystemUK)

 [assystem](https://www.linkedin.com/company/assystem)

Assystem is one of the world's top independent nuclear engineering companies, established in France in 1966, the company has a long history supporting the development of nuclear power across the world. Assystem supports public and industrial stakeholders in delivering complex, strategic infrastructure subject to stringent safety and security requirements.

With over 60 years' experience, Assystem brings together 8,000 experts across 13 countries, operating across the full project lifecycle and providing engineering, project management, and digital solutions. In the United Kingdom, Assystem operates across 10 locations, supporting nuclear, defence, and infrastructure programmes, including Hinkley Point C, Sizewell C, Sellafield and Rolls-Royce SMR.

Exportable Expertise:

- Owner's & Architect Engineer
- Operator Engineering/Support
- Engineering Consultancy
- Programme & Project Management
- Project Controls
- Contract Management
- Construction Management
- Supply Chain Management
- Risk Management
- Regulatory/Stakeholder Management
- Civil, Mechanical, Electrical & Decommissioning Engineering
- Electrical, Controls & Instrumentation (EC&I)
- Process Engineering
- Infrastructure Design
- Supporting Infrastructure
- Nuclear Safety & Licensing
- Safety Case Development
- Waste Management
- Environmental Studies
- Geotechnical & Seismic Studies
- Site Selection & Development
- Health, Safety & Environment
- Building Information Modelling (BIM)
- Digital Engineering/Digital Twins
- Systems Engineering & Requirements Management
- Modelling & Simulation
- Knowledge Management
- Asset Management/Care
- Operation & Maintenance Support
- Testing & Inspection
- Commissioning Support
- Nuclear Fuel Cycle Engineering
- Packaging Design for Radioactive Material Transport & Storage
- Remote Handling Solutions
- Robotics & Autonomous Systems
- Quality Management

Company Experience:

Assystem is a trusted engineering partner to governments and operators delivering complex nuclear programmes worldwide. We enable the successful delivery of new build, life extension and decommissioning projects to help clients achieve safe, on-time and cost-effective outcomes across the nuclear lifecycle.

In the United Kingdom, Assystem plays a central role in the country's nuclear new build programme. As a strategic partner to EDF, we support the delivery of Hinkley Point C and Sizewell C, contributing to the deployment of gigawatt-scale low-carbon power. We are also supporting next-generation technologies, including small modular reactors and fusion programmes.

We are equally trusted to deliver in the most complex operating environments, including long-term decommissioning programmes at Sellafield, where we provide safety, engineering and programme expertise to support hazard reduction and site transformation.

Our global footprint extends across major nuclear programmes in Europe, the Middle East and Asia, including Türkiye, Kazakhstan, India, the United Arab Emirates and Central Europe.

Across these programmes, Assystem delivers a full range of engineering, project management and digital services tailored to client needs. We combine deep engineering expertise with advanced digital capabilities, including digital project delivery, data integration and performance optimisation solutions, to enhance decision-making, efficiency and risk management across complex nuclear programmes. Depending on the project, we act as technical advisor, architect engineer or delivery partner, and provide integrated engineering and project management services across the full lifecycle, including comprehensive Owner's Engineer capability.

Our technology-agnostic approach and independence from vendors enable us to work with any reactor or infrastructure solution, supporting clients to make informed decisions, maintain regulatory confidence, and deliver critical infrastructure safely and efficiently.

By combining proven engineering excellence with digital innovation, Assystem accelerates the delivery of nuclear energy, supporting national programmes and advancing the global transition to secure, low carbon power.



Key Contact:

Sharmila Jugessur

Strategy & Growth Director

sharmila.jugessur@atkinsrealis.com

+44 (0)7353 106 221

Visit:

 atkinsrealis.com

 [@atkinsrealis](https://twitter.com/atkinsrealis)

 [atkinsrealis](https://www.linkedin.com/company/atkinsrealis)

AtkinsRéalis is a world-class engineering services and nuclear company dedicated to engineering a better future for our planet and its people. We create sustainable solutions that connect people, data and technology to transform the world's infrastructure and energy systems.

The breadth and depth of our capabilities are delivered to clients in strategic sectors such as Engineering Services, Nuclear and Capital Projects.

Exportable Expertise:

- Aviation
- Buildings & Places
- Defence Infrastructure
- Power, Renewables & Industrial
- Secure Government
- Transportation
- Water
- Nuclear

Company Experience:

AtkinsRéalis delivers complex nuclear programmes across the full lifecycle, from gigawatt-scale new build and SMRs to fuel cycle expertise, operational support, decommissioning and waste management. Our capabilities span early-stage advisory, including siting, planning, environmental assessment and consenting, through to detailed design, engineering and commissioning.

Our past and ongoing work includes flagship UK projects such as Hinkley Point C and Sizewell C, where we have supported delivery from early design through engineering, planning and pre-operations, alongside a key delivery role on the Rolls-Royce SMR programme. Internationally, we play a significant role in major nuclear programmes in France, including supporting EDF's EPR2 programme across multiple sites. We continue to support the ITER programme, historically as Architect Engineer through the Engage Consortium and more recently engaging directly for ITER and Fusion for Energy.

In defence, AtkinsRéalis supports the UK's Defence Nuclear Enterprise through long-standing collaboration with Rolls-Royce Submarines and partners, delivering specialist capabilities in nuclear propulsion, safety, systems engineering and programme delivery.

Pioneering advanced nuclear energy technologies means underpinning everything we do with data-powered digital solutions, from AI to robotics. As the Original Equipment Manufacturers (OEM) for CANDU® nuclear reactors, we produce sustainable, safe and affordable electricity worldwide.

Key Contact:

Narinder Bains
General Manager, Nuclear
nbains@atsautomation.com
+1 647 328 6848

Visit:

 atsindustrialautomation.com
 [atsindustrialautomation](https://atsindustrialautomation.com)

ATS Industrial Automation is a global leader in automated and semi-automated solutions for the nuclear industry, with thousands of projects delivered worldwide. For over 30 years, ATS has designed and manufactured proven, reliable automation and advanced tooling for mission-critical nuclear environments, supporting new reactor builds and Small Modular Reactors (SMRs), decommissioning and waste handling, fuel fabrication projects and operations and maintenance.

With a global presence and over 7,000 people company wide, we have dedicated nuclear engineering, project delivery, and manufacturing teams.

Exportable Expertise:

- Electrical, Controls and Instrumentation (EC & I)
- Mechanical Engineering
- Auto Weld Inspection
- Decommissioning
- Decontamination
- Gantry Systems
- Modelling and Simulations
- Packaging for transport and storage of radioactive materials
- Process Engineering
- Reactor Servicing
- Remote Handling Solutions
- Robotics and Autonomous Systems
- Testing and Inspection
- Waste Management

Company Experience:

Nuclear Experience

Offering the perfect synergy of nuclear experience and automation technology, for over 30 years the nuclear industry has relied on ATS Industrial Automation as a trusted partner and key solution supplier.

Precise, Reliable, Safe

Our precise, reliable and safe automated solutions are proven to dramatically improve timelines while reducing costs.

Robotics and Automation

Using our automated tooling expertise, ATS delivers full scale solutions for new builds/SMRs, segmentation, dismantling, volume reduction and waste handling of irradiated systems, components and equipment. These solutions dramatically improve timelines, while reducing cost and worker exposure in high radiation environments.

We have established an extensive track record of safely dismantling and removing highly activated reactor components for volume reduction, transportation and preparation for storage.

Automated Waste Processing and Handling

ATS designs and delivers remote handling systems for highly radioactive material including large shielded flasks and automated transfer systems. We are able to leverage our global automation expertise to safely and efficiently manage your complete radioactive material handling and waste processing needs. Our waste handling and storage systems are scalable from single cell processing to a full plant structure. We offer front-to-back processing, including irradiated component segmentation, volume reduction and packaging.

Remote Inspection and Maintenance

ATS remote tooling and automated delivery systems for reactor inspection and maintenance have significantly minimised critical path activities, reduced outage time and worker dose. Safety of personnel is a prime objective. Our integrated systems engineering approach to design has successfully delivered effective tooling solutions for our customers on time and on budget.

Engineering Services

At ATS, our team of dedicated nuclear engineering specialists bring decades of industry experience to provide innovative concepts and designs that benefit our nuclear customers. Our portfolio of multi-disciplined engineering expertise includes design, analysis, prototyping and testing.

Fuel Handling and Fuel Fabrication

ATS provides solutions from state-of-the-art, fully automated fuel fabrication lines and inspection systems to remotely operated tooling for handling spent fuel. These systems are designed with the goal of improving throughput while maintaining the highest quality.



Barndoor
Strategy

Key Contact:

Havard Hughes

CEO

havard.hughes@barndoorstrategy.com

+44 (0)7989 345 820

Visit:

 barndoorstrategy.com

 [@Barndoor_Strat](https://twitter.com/Barndoor_Strat)

 [barndoor-strategy](https://www.linkedin.com/company/barndoor-strategy)

Barndoor Strategy is a public affairs and communications consultancy with a difference. Our aim is to offer senior consultancy at competitive prices. Barndoor Strategy enables organisations large and small to benefit from highly experienced experts without the bureaucracy and overheads of a legacy agency.

We achieve this through our digital network. Our team are all experts in their fields with many years' experience based across the UK and beyond. They use the latest technology to deliver the best possible strategic advice and outcomes for our clients.

Exportable Expertise:

- Public Affairs
- Regulatory Affairs
- Government Relations
- Research
- Select Committee Preparation & Training
- Stakeholder engagement
- Planning Advice
- PR, Communications, media & crisis management
- Digital & audio-visual creation

Company Experience:

Barndoor Strategy delivers a bespoke service to our clients. From short, sharp policy-focused campaigns to shift the narrative, to designing and delivering long-term strategic public affairs and media strategies. Barndoor Strategy can help open doors with decision makers and drive legislative or regulatory change.

We have worked with all sorts of organisations from large scale multinationals to tech start-ups, from overseas governments to international trade associations.

Together, our team has developed and delivered strategic public affairs programmes for:

ACT - The Association for Competitive Technology, All-Party Group for Small Modular Reactors, Frugalpac, Barking Power, Thames Gateway Port, British Sugar (green fuels), Allica Bank, Perenna, GoHenry, All-Party Group on the Future of Financial Services, Prenetics, the Building Societies Association, Undisclosed DNA and many more.

Achievements delivered for our clients include:

- Amended legislation and regulations including the Consumer Rights Act, several Financial Services Acts as well as a range of other public, private and hybrid bills;
- Influenced Government and Opposition policy development through drafting parliamentary questions, amendments to legislation, responses to consultations and organising round-tables and events;
- Prepared and rehearsed Chief Executives and senior board members for Select Committee hearings; and,
- Provided our clients with timely public affairs briefing and forward intelligence to allow them to anticipate and respond to political and media developments at Westminster, Edinburgh, Cardiff and Brussels.



Key Contact:

Ian Tough

Market Development Manager - HIP Europe

ian.tough@bodycote.com

+44 (0)7581 061 926

Visit:

 [bodycote.com](https://www.bodycote.com)

 [@bodycoteplc](https://twitter.com/bodycoteplc)

 [bodycote](https://www.linkedin.com/company/bodycote)

Bodycote is a global leader in Hot Isostatic Pressing (HIP), delivering critical metal components for nuclear applications using Powder Metallurgy HIP (PM-HIP), an established advanced manufacturing technique that can be deployed as a qualified alternative to forgings and castings. Typical applications for civil nuclear include; primary circuit pipework, pressure components, reactor components and fusion reactor plasma facing components.

PM-HIP parts have no weaknesses, optimised weight and material properties, and a superior lifetime. All these benefits are achievable with a significant reduction in expensive machining and deliverable in weeks rather than months from our UK, European or US manufacturing facilities.

Exportable Expertise:

- Component Manufacturing
- Fabrication
- Forgings/Castings
- Reactor Pressure Vessels & Internals
- Safety Related Pipework

Company Experience:

Bodycote provides two major HIP routes for nuclear industry customers:

- HIP Product Fabrication (PM-HIP), for the manufacture of components to Near Net Shape (NNS) through powder metallurgy and diffusion bonding; and
- HIP Services, providing porosity removal in cast or AM parts through HIP densification.

The process of producing a component from PM-HIP to NNS offers a valuable alternative for engineers looking to produce components of both simple and complex geometries in a cost effective, timely way with reduced welding and machining, improved material properties and component lifetimes. Bodycote's PM-HIP Powdermet® process ensures complete elimination of all internal porosity combined with structural homogeneity characteristics which are not possible to achieve with conventional manufacturing methods. Our design engineers can demonstrate solutions that you may not know are possible and can elevate your product design, economy and quality to give superior results compared to alternatives.

Bodycote's Powdermet® process provides:

- Design flexibility (combine multiple parts or materials)
- Short delivery times
- Reduced welding and machining
- Isotropic mechanical properties
- Superior stress corrosion properties
- Ultrasonic inspectability
- Weight optimisation

Bodycote operates a global HIP business with the largest equipment network in the world and continues to invest in greater capacity in recognition of growing demand for HIP technology.

Having established HIP expertise over decades, Bodycote has over 40 HIP vessels of varying sizes in multiple locations across UK, Europe and North America and is able to accommodate large volumes of small product as economically as large individual components, perfectly suited to the demanding nuclear industry where we can provide HIP Services and PM-HIP in accordance with international standards (including RCC-M & ASME III, Class 1) for all high integrity metal components such as reactor internals, pressure vessels, primary pipework and mechanical equipment, offering a reliable alternative to traditional methods such as forging.



Key Contact:

Richard Pidd

Sales (Nuclear)

richard.pidd@broder-metals-group.com

+44 (0)114 232 9240

Visit:

 broder-metals-group.com

 [broder-metals-group](https://www.linkedin.com/company/broder-metals-group)

Broder Metals Group is a leading stockist & distributor of high specification stainless steel, nickel alloys & metal powders supporting the nuclear industry and other highly regulated sectors,

We specialise in round bar 12.7mm Dia to 304.8mm Dia and supply customers across the UK, Europe and Worldwide. Our materials are fully traceable, supplied with complete certification and backed by technical expertise, quality assurance and reliable delivery to meet demanding project requirements.

Exportable Expertise:

- Nickel Alloys, Stainless Steel Bar Product
- Metal Powders
- ISO 9001, ISO 19443, AS9120 Certified
- Cyber Essentials Certified
- SC21 Bronze Award
- Joscarr Registered
- Members of NIA, ADS, BSSA, MIA, Additive UK
- Bar Stocking, Precision Sawing
- NDT, Mechanical Testing
- Proof Machined Products

Company Experience:

Broder Metals Group has a long-established track record of supplying stainless steel, nickel alloy bar, plate and forgings into the civil nuclear sector, meeting requirements of ASME, RCC-M and NQA-1 specifications.

Our experienced technical team works closely with customers to achieve demanding material and quality specifications, providing full traceability and complete certification throughout the supply chain.

ISO 19443 certified since 2024, Broder Metals Group has embedded a strong nuclear safety culture into its quality management system, ensuring continuous improvement and compliance with the highest industry standards.

To support customers long term production programmes, we offer Long Term Agreement (LTA) stockholding solutions that provide price stability, improved material availability, shorter lead times and reduced inventory requirements at customer sites.



Key Contact:

Ian Truman

Partner, Nuclear

ian.truman@borges-salmon.com

+44 (0)117 939 2280

Visit:

 [borges-salmon.com](https://www.borges-salmon.com)

 [@BorgesSalmon](https://twitter.com/BorgesSalmon)

 [borges-salmon-llp](https://www.linkedin.com/company/borges-salmon-llp)

Borges Salmon a leading independent UK law firm, recognised globally as market leaders in nuclear power, with in-depth nuclear law expertise and an established reputation at the sector's forefront.

The firm's nuclear practice regularly advises on complex projects nuclear projects in the UK and across the globe. The firm is also well-known for its popular book, the 'Borges Salmon Guide to Nuclear Law' covering the breadth of nuclear (domestic and international) law issues.

Exportable Expertise:

- Consultancy
- Legal Advice

Company Experience:

Borges Salmon advises clients on some of the most high-profile nuclear developments in the UK and internationally. With experience spanning almost all UK nuclear-licensed sites, the team works with governments, regulators, operators, developers, insurers and contractors across the entire supply chain.

The team delivers comprehensive end-to-end services, including:

- nuclear new build programme development and consenting
- financing and corporate structures — including supporting companies establishing a UK presence and associated legal support for employment, tax, IP, grid etc
- fuel supply
- advising on interactions with government and regulators
- site acquisition
- construction and commercial contracts
- regulatory and nuclear law
- operational compliance
- decommissioning and waste

Borges Salmon is at the forefront of advanced nuclear technologies and fusion energy, supporting clients on cutting-edge projects and helping shape the evolving legal and regulatory landscape. The team advises on establishing nuclear and fusion programmes in new markets, in accordance with international standards.

Borges Salmon's lawyers are actively involved in leading industry associations in the UK and abroad, including the International Nuclear Lawyers Association (INLA), the Nuclear Institute and the Nuclear Industry Association (NIA).

Co-Head of Nuclear, Ian Salter is President of INLA and chairs the NIA's Legal and Financial Affairs Working Group, whilst our other co-head of nuclear Ian Truman, sits on the Steering Group of the Nuclear Energy Maritime Organisation (NEMO) and was a member of the NIA's regulatory simplification taskforce which provided recommendations taken forward by the Fingleton Review.

In 2025, Borges Salmon published the third edition of the Borges Salmon Guide to Nuclear Law which delivers in-depth analysis and practical guidance on UK and international nuclear law.

First published in 2008, it has long been one of the few comprehensive texts in the field. The latest edition provides updated commentary on regulatory developments, international treaties and conventions, and emerging technologies including SMRs and AMRs.



Key Contact:

Kris Bradshaw

Sales & Marketing Director

kris.bradshaw@capula.com

+44 (0)7551 032 950

Visit:

 capula.com

 [@CapulaLtd](https://twitter.com/CapulaLtd)

 [capula](https://www.linkedin.com/company/capula)

With a focus on automation, control systems and digital transformation, Capula has been a leader in advanced system integration for decades; optimising energy efficiency, intelligent asset management and delivering operational performance for our critical national infrastructure clients.

We enable our clients to safely operate and control some of the most strategically important facilities in the UK. Our experience in the nuclear industry spans over 50 years, providing full lifecycle support to nuclear energy, defence nuclear and civil nuclear customers. We support everything from fuel production through to new-build, construction, operation, waste management and decommissioning.

Exportable Expertise:

- Systems Integration across Operational Technology (OT) automation & control systems
- Advanced panel build
- Smart digital operations & advanced digitalisation
- Cyber security
- Service and support
- Consultancy — digital, cyber, OT systems, FEED studies, technology selection & roadmaps

Company Experience:

We understand the nuclear sector's changing requirements and bring extensive experience in meeting its regulatory and compliance obligations. Our services are underpinned by a strong track record of delivering to the expectations of regulatory bodies and both nuclear and conventional safety standards.

For more than 50 years, we have provided full lifecycle support to customers across the nuclear sector. Our experience spans fuel production, new build, construction, operation, waste management and decommissioning:

- Supporting nuclear generation projects to optimise performance and extend the life of existing sites
- Contributing to major UK new-build projects, including Hinkley Point C
- Delivering mission-critical programmes across defence and civil nuclear to improve efficiency and operational performance
- Advancing the sector through innovative digital and cyber solutions and the application of the latest technologies



CASTLETOWN LAW

Key Contact:

Andrew Renton

Solicitor

andrew.renton@castletownlaw.com

+44 (0)7721 829 943

Visit:

 castletownlaw.com

 [castletown-law](https://www.linkedin.com/company/castletown-law)

Castletown Law is a specialist law firm providing support to energy and infrastructure sector clients. Although we are located in the United Kingdom, we operate without borders and currently advise in multiple international jurisdictions.

Castletown Law is a law firm specialising in the energy and infrastructure sector, with particular expertise and focus in the nuclear field where it is able to draw on recent nuclear industry experience.

Exportable Expertise:

- Consultancy
- Legal Advice
- Nuclear Safety & Licensing

Company Experience:

Our recent work relates to advising the Ministry of Environment and the Government of Estonia on the legislative framework and drafting the relevant statutory provisions for the overarching nuclear legislative framework for Estonia's proposed nuclear energy programme, which will enable the deployment of advanced nuclear technologies in Estonia.

Castletown Law has a dedicated team of five nuclear lawyers and industry specialists who cover all the key elements of a nuclear project including licensing and de-licensing, regulatory, environmental, planning, remediation, permitting, governance, nuclear liability, fuel reprocessing and fuel contracts, radioactive substances handling and transport and waste management.

Castletown team has advised on nuclear projects and developments across all phases (i.e. development, planning, construction, operation and decommissioning) in the UK, Europe and internationally. Members of the team have most recently advised in relation to the current nuclear new build projects in the UK and Abu Dhabi.

Key Contact:

Sophie Whitehead

Business Strategy Manager - International

sophie.whitehead@cavendishnuclear.com

+44 (0)7889 071 256

Visit:

 cavendishnuclear.com

 [cavendish-nuclear](https://www.linkedin.com/company/cavendish-nuclear)

Cavendish Nuclear is a core part of Babcock International Group's Nuclear Sector and a leading UK provider of specialist nuclear services. Our capabilities span the full lifecycle of nuclear facilities, including nuclear engineering, safety and licensing, programme and project delivery, site operations, asset management, decommissioning and waste management.

Combining Cavendish Nuclear's specialist civil nuclear expertise with Babcock's wider engineering, manufacturing and through-life capability, we support clients in the UK and internationally to develop new facilities, sustain and improve operational assets, and manage decommissioning safely and effectively.

Exportable Expertise:

- Nuclear engineering & integrated design
- Civil, structural & architectural engineering
- Mechanical, process, electrical & EC&I engineering
- Nuclear safety, security & licensing
- Programme, project & commercial management
- Cost estimating, project controls & quantity surveying
- New nuclear development & delivery support
- Site operations & operational readiness
- Asset management, plant life extension & maintenance
- Nuclear fuel cycle services
- Decommissioning & decontamination
- Radioactive waste characterisation & management
- Packaging, transport & storage of radioactive materials
- Remote handling & specialist engineering solutions
- Environmental assessment & management
- Building Information Modelling & digital engineering

Company Experience:

Our experience spans the nuclear lifecycle, combining specialist expertise with practical delivery across civil and defence programmes in the UK and internationally.

Civil Decommissioning and Fuels

We deliver complex decommissioning, waste-management and fuel-cycle programmes for Sellafield, Nuclear Restoration Services and Urenco. Our experience covers waste retrieval, treatment and packaging; reactor and facility dismantling; remote handling; radiological characterisation; spent-fuel management; and fuel-cycle facilities.

Clean Energy

At Hinkley Point C, we play a leading role in the MEH Alliance and are a key partner in the Commissioning Alliance, with learning being applied to Sizewell C. We are also Owner's Engineer for Great British Energy – Nuclear's first SMR programme at Wylfa. Our wider SMR and AMR work spans design, regulatory engagement, deployment planning, constructability, modularisation, manufacturing and supply-chain readiness, including UK deployment of X-energy's Xe-100.

Defence

We support the UK Defence Nuclear Enterprise through secure infrastructure delivery, specialist engineering, and safety and regulatory assurance. This includes major programmes for AWE and our role as Nuclear Technical Support Provider at HMNB Clyde, alongside Babcock's submarine support and dismantling capabilities at Devonport and Rosyth.

Nuclear Services

We combine specialist consultancy with practical engineering and operational delivery. Through the EDF Lifetime Enterprise Agreement, we provide engineering, maintenance, outage and fuel-route support across EDF's UK reactor fleet, from generation through defueling. Our laboratories provide radiological analysis, waste characterisation and environmental monitoring for operating and decommissioning sites.

International

We apply experience from complex UK programmes internationally. Our current work includes the Monju reactor decommissioning programme in Japan and decontamination, decommissioning and environmental remediation at the Portsmouth site in the United States. We also support advanced reactor developers preparing for international deployment.



Collaborative
Environmental
Advisers

Key Contact:

Jo Plyer
Director of Nuclear
jo.plyer@cea-team.com
+44 (0)7375 926 399

Visit:

 cea-team.com
 [collaborative-environmental-
advisers-ltd-cea-ltd/home](https://collaborative-environmental-advisers-ltd-cea-ltd/home)

CEA secures consents and permits for energy infrastructure while balancing environmental and community needs. Our expertise spans nuclear, offshore wind and cable projects. Provide strategic and technical advice on policy, legislative and regulatory frameworks, including Environmental Impact Assessment, Habitats Regulations Assessment, radioactive substances permitting and nuclear site licensing. We support operators, regulators and the Nuclear Decommissioning Authority across new build, operational and decommissioning programmes.

Exportable Expertise:

- Interpretation and compliance with environmental legislation, policy & guidance
- Siting & constraints assessment, strategic planning & consenting advice
- Permits, consents, licence compliance
- Governance, guidance, & technical assessment development
- Assurance, surveillance & inspection
- Stakeholder Engagement
- Training

Company Experience:

Six years (current) support for EDF — Providing specialist regulatory and technical support to EDF Energy across its UK nuclear fleet maintaining compliance with Radioactive Substances Regulations (RSR), Environmental Permits, and Nuclear Site Licence (NSL) requirements including managing relationships with regulators. Producing radioactive waste technical papers to support management and characterisation, delivered specialist training on radioactive waste management and developing and delivering Assurance on the transfer from of stations from EDF to the Nuclear Decommissioning Authority (NDA).

Four years (current) support to the Nuclear Decommissioning Authority — Projects reviewing strategic decommissioning plans for radioactive and non-radioactive waste management. Including: developing and authoring a guidance document on the management of soil, concrete, rubble, aggregate, gravel across decommissioning sites, delivering a strategic assessment to evaluate how waste management legislation, landfill market dynamics, and policy developments could affect the long-term disposal of radioactive waste from the UK's nuclear decommissioning programme. Projects involve development and facilitation of workshops with government departments, operators, local authorities and the NDA, development of gap analysis, reports and guidance documents.

Nine years (current) support to National Grid on development of cable projects — Managing 5 major energy infrastructure planning consents including siting, constraints analysis and development of the Environmental Impact Assessment, Habitats Regulation Assessment, Marine Conservation Zone assessment including stakeholder engagement, statutory consultation and preparations for examination by the planning inspectorate.

Two years support providing technical advice to an international regulator, to support the development of guidance on EIA and Decommissioning Planning — Technical advice on the developing the regulatory approach and guidance to evaluating EIA for a decommissioning project (disposal facility) and modular reactors.

One year (current) supporting the licensing team at Sizewell C — Supporting the licensing team as an embedded resource on relicensing and delicensing decisions and developing the Integrated Management Prospectus covering the NSL and environmental permits.



Key Contact:

Pascal Montel
Global Nuclear Sales Manager
pascal.montel@celerosft.com
+33 (0)450 055 705

Visit:

 celerosft.com
 [@CelerosFlow](https://twitter.com/CelerosFlow)
 [celeros-flow-technology](https://www.linkedin.com/company/celeros-flow-technology)

ClydeUnion Pumps, part of Celeros Flow Technology, is a long-established supplier of safety-critical pumping solutions for the nuclear industry. We supports new-build, operating and decommissioning nuclear facilities, providing engineered pumps for essential nuclear safety and auxiliary systems. Through its nuclear-accredited manufacturing facility in Annecy, France, ClydeUnion Pumps delivers equipment for major projects including EDF's EPR fleet, Hinkley Point C and Sizewell C. Its portfolio includes emergency feedwater, safety injection, component cooling water and other nuclear-class pump systems designed to meet stringent nuclear quality, regulatory and reliability requirements. The company has decades of experience supporting nuclear operators in Europe and internationally.

Exportable Expertise:

- Pumps

Company Experience:

ClydeUnion Pumps, part of CELEROS Flow Technology, understand the specialised needs of the nuclear power sector. Among our many global facilities, three are fully nuclear qualified, in UK, France and Canada, showcasing our commitment to excellence. As the foremost supplier of nuclear pumps worldwide, we take pride in delivering unparalleled quality and reliability to meet the demands of the nuclear industry. We draw on over 60 years of nuclear pump experience to provide coded, safety related and balance of plant pumps for all reactor types.

Our involvement in the nuclear power market began with the first ever industrial scale nuclear power plant. Since then we have been central to all major nuclear power programs globally. Our ability to design a reliable solution for the specific needs of the overall nuclear plant, allied to our comprehensive service provision means there are ClydeUnion Pumps nuclear installations in over 65% of operational nuclear power plants worldwide across many technologies.

In addition to our involvement in the commercial nuclear power market we continue to provide pumping solutions to the world's naval nuclear fleets, research reactors and other nuclear facilities. Our market focused research development programs are the driving force behind our ability to stay at the forefront of the industry. Whether it's the demands of generation IV reactors, fusion technology, or small modular reactors (SMRs), our solutions are tailored to is used to carry out all kinds of critical industrial meet the evolving needs of the nuclear sector.



Key Contact:

Thibault Lemarie
Head of Subsidiary
tlemarie@cerap.co.uk
+44 (0)7496 267 162

Visit:

cerap.co.uk
 [cerap-uk-ltd](https://www.linkedin.com/company/cerap-uk-ltd)

CERAP UK & Nordics supports nuclear operators, EPC contractors and manufacturers with specialist radiation protection, engineering and technical assistance across new build, operation, decommissioning and regulated industrial applications involving ionising radiation. Backed by CERAP Group and ALTRAD, we provide certified RPAs, health physics technicians, engineers and project support teams to help clients maintain regulatory compliance, safety, quality and operational performance. Our UK capability covers RPA services, radiation protection consultancy, audits, training, site support, engineering design, project management, equipment qualification and technical assistance for complex nuclear environments.

Exportable Expertise:

- Building Information Modelling (BIM)
- Consultancy
- Contract Management
- Cost Estimators & Quantity Surveyors
- Decommissioning
- Decontamination
- Environmental Studies
- Equipment Qualification
- LEV & Extraction Systems
- Modelling Simulation
- Nuclear Fuel Cycle Services
- Nuclear Safety & Licensing
- Planning Advice
- Process Engineering
- Programme & Project Management
- Quality Management
- Radiological Protection
- Radiometrics
- Reactor Design & Developer/Utility
- Reactor Services
- Risk Management
- Site, Health & Safety
- Testing & Inspection
- Training
- Waste Management
- Civil Engineering
- Civil, Structural & Architectural Design
- Construction Management
- Design Consultants
- Electrical, Controls & Instrumentation (EC & I)
- Electrical Engineering
- Mechanical Engineering
- Installation
- Operation & Maintenance

Company Experience:

CERAP UK & Nordics provides radiation protection and engineering support for nuclear clients in the UK and Europe. Our UK activities include RPA appointments, IRR17 compliance advice, radiation protection audits and regulatory support for clients using ionising radiation, including X-ray equipment and regulated work areas.

We deliver RPS, radon and health physics technician training through certified RPAs, experienced health physics technicians and a dedicated trainer. Training can include VR-based learning and practical demonstrations of radiation monitoring instruments. CERAP UK is also a GQA-approved centre and can issue joint CERAP/GQA certificates.

On major nuclear projects, CERAP UK supplies engineers, designers, project controls and site-based technical personnel to contractors and stakeholders supporting Hinkley Point C and wider UK nuclear programmes. Our teams support civil, mechanical and electrical engineering, installation, equipment qualification, 3D modelling, PMO and quality management activities.

CERAP UK & Nordics also benefits from the wider CERAP Group and CERAP Prevention, which has over 30 years of experience supporting nuclear operators across operating reactors, maintenance, radiological protection, decommissioning, waste management and training in many countries. This enables us to mobilise specialist expertise, proven procedures and experienced personnel for international nuclear projects from construction and commissioning to operation and decommissioning.

Key Contact:

Sean Musson

Business Unit Manager

hazel.wood@wellmanbooth.co.uk

+44 (0)1133 879 730

Visit:

 clarkechapman.co.uk

 [the-clark-chapman-group-limited](https://www.linkedin.com/company/the-clark-chapman-group-limited)

Supplier of high integrity cranes & specialist materials handling equipment to the nuclear industry.

Clarke Chapman Ltd's Wellman Booth division is a respected supplier to the nuclear industry having been actively involved in the design, development, manufacture and supply of associated special purpose high integrity cranes and materials handling equipment into the sector for over 40 years.

We offer additional technical support assessing asset condition and life extension assessments with upgrade recommendations.

Exportable Expertise:

- Mechanical Engineering
- Craneage
- Large Machining
- Nuclear Material Handling Equipment
- Asset Care/Management
- Remote Handling Solutions
- Testing and Inspection

Company Experience:

The Clarke Chapman manufacturing solution 'quite simply, we deliver a quality product, on time, and at a competitive price. In addition to the manufacture and assembly of Clarke Chapman's own product range, we provide machining and "build to print" sub-contract services to clients from across the whole industry spectrum; from nuclear and oil & gas to defence and marine, from power generation to general engineering. What our clients appreciate, as well as our commitment to manufacturing excellence, is the way we become part of their team assisting them every step of the way. Our machine shops are amongst the best-equipped in the business, they are backed by qualified engineers who see each project through from inception to completion, maintaining vital contact with the customer at every stage of the process.

Clarke Chapman has made a significant £1.2 million investment in our Gateshead headquarters, enhancing our machining capabilities with cutting-edge technology. This investment includes the addition of two new Horizontal Borers and the CNC retrofit and refurbishment of our existing XL specialist Floor Borer. Complementing these advancements is the implementation of new CAM Software designed to optimize our machining processes. The 4000 sqm facility at Gateshead will now feature these state-of-the-art machines, solidifying Clarke Chapman Machining's position as a respected provider of subcontract machining services across all engineering sectors. This enhancement not only increases our capacity but also ensures we continue to deliver the highest quality and precision in our machining operations.

We understand the critical role that energy plays in our daily lives and its impact on the environment. We are committed to championing clean and responsible energy solutions that power a more sustainable future. As the world focuses on flexible and sustainable energy solutions, it is our hope that Clarke Chapman can be a catalyst for change. Our dedication is to a future that prioritises environmental sustainability. We continuously strive to enhance energy efficiency across our products and operations while reducing our consumption. Additionally, we actively work to reduce greenhouse gas emissions from our operations and products, minimising our contribution to climate change, both for ourselves and our customers.



Key Contact:

Phil Ross
Managing Director
pross@collinsongrant.com
+44 (0)161 703 5600

Visit:

 collinsongrant.com
 [@Collinson_Grant](https://twitter.com/Collinson_Grant)
 [collinson-grant](https://www.linkedin.com/company/collinson-grant)

Collinson Grant is a management consultancy that helps to improve performance in the private and public sectors. Our work focuses on costs, people and organisation with over 50 years' experience in a family owned business in its third generation.

Collinson Grant works with managers to restructure, merge acquisitions, cut costs, restore profitability, introduce lean operations, streamline supply chains and manage people better.

Exportable Expertise:

- Business case development
- Implementation of practical solutions supporting accountable Managers
- Strategy development & deployment
- Support value definition that enables performance management
- Legal advice: All aspects of Employment Law, primarily in the UK
- Organisational design, implementation of new ways of working
- Process & quality engineering
- Quality management
- Risk management

Company Experience:

Our consultancy skills and diverse experience help us to achieve successful results in demanding situations. Maturity of the organisation is a critical starting point. Helping clients to exploit new approaches to digital technologies successfully is part of our work. Understanding the opportunities and risk ahead.

Our ambition is always to create the conditions for a sustained improvement in efficiency and financial performance. Our emphasis is on results and value for money, and their identification before starting.

The enduring partnerships we have formed with senior people have helped us to prosper in challenging economic circumstances and grow stronger with time. Our people are drawn from diverse backgrounds, but all are comfortable operating at a senior level.

Our work is varied because it takes place in many different locations and for many different types of organisation. It can range from giving advice to a senior manager for a short period, managing a reorganisation over several months or taking full executive responsibility for an operational division.

Some of the companies who first used our services 40 years ago are still our clients today. Times change and so does the economy, but our relationships endure because we take time to build trust and to understand the day-to-day concerns of the managers we work with.



Key Contact:

Ronan Cloud

Director of Strategic Development

ronan.cloud@copperconsultancy.com

+44 (0)7840 366 444

Visit:

 copperconsultancy.com

 [@CopperConsult](https://twitter.com/CopperConsult)

 [copper-consultancy](https://www.linkedin.com/company/copper-consultancy)

Copper is a strategic communications and stakeholder engagement consultancy helping shape the future of the UK's nuclear sector. With over 25 years' experience delivering high-impact campaigns for nationally significant infrastructure projects, Copper transforms complex ambitions into compelling national missions and trusted local initiatives.

From SMRs to grid connections and fusion, Copper helps secure the trust, consent and political support vital to project success. Combining data-led insight, strategic engagement, and creative communication and consultation, Copper has a proven track record supporting landmark projects.

Exportable Expertise:

- Consultancy
- PR & Communications

Company Experience:

For more than 25 years, we've worked on some of the most complex briefs, paving the way for the most ambitious, society-changing projects and enabling clients to meet their business objectives. Our services can be blended or standalone, to provide support where it's needed, spanning expertise across public affairs, campaigning, media relations, content and creative.

Content and creative

For more than 30 years, we have grown and evolved with our clients, adapting to the changing business landscapes in the sectors in which we work. We've stayed ahead of emerging communication trends and technologies to develop deep understanding of the companies we help and the industries in which they operate.

Data and insight services

Data-driven strategy sits at the heart of our approach to digital. We build a suite of digital tools specially selected according to your aims and audiences. Our approach is flexible, and the tools are adaptable to respond quickly and cost-effectively to feedback and programme changes to keep your project on track. By embedding digital solutions into your communications programme, we help to keep conversations going too, engaging stakeholders in a two-way dialogue to pre-empt potential issues and harness support. The result is balanced input and actionable feedback from those who matter most to your project and an enhanced reputations for your organisation overall.

Project communications

We believe it's best to build with people, not just for them. So we start by listening. We engage communities, politicians and businesses to influence opinion, understand issues, build advocacy and mobilise support.

Strategic communications

Our team understands how businesses use science to create and develop new technologies. And we know how to explain this through persuasive words and powerful images.



Key Contact:

Cliff Woodman
Business Director
cliff@c-oms.co.uk
+44 (0)7817 517 141

Visit:

 c-oms.co.uk
 [cumbria-o&m-services-ltd](https://www.linkedin.com/company/cumbria-o&m-services-ltd)

COMS Nuclear and COMS Energy, are specialist completions, commissioning, start up, operations, maintenance and system engineering companies. In regulated industries multiple stakeholders need to be satisfied at every stage of delivery. Nuclear engineering solutions, operational processes, safety precautions and legal compliance are always under scrutiny. COMS can support your team in navigating these multiple challenges successfully.

Working across the UK, and supporting international projects our business has enjoyed significant growth. Recognised for the excellence of our work, we continue grow our reputation for making a meaningful difference to vital infrastructure and engineering projects with the significant value we consistently deliver.

Exportable Expertise:

- Completions & Commissioning
- Pre-Operations And Start Up
- Asset Management
- Maintenance & Engineering Support
- Safety Case Rationalisation
- Project Management

Company Experience:

Our range of capabilities cover:

COMPLETIONS & COMMISSIONING

Our Commissioning and Completion Consultancy Services are designed to provide expert guidance and strategic support throughout the project life cycle, ensuring a seamless transition from construction to operations. Utilising client systems or our own leading Completions Management System CMS software providing real-time visibility into every component, milestone, and interdependency across your operation.

PRE-OPERATIONS & START UP

COMS focus on operational outcome, setting success criteria and performance targets. Taking learning and feedback from operators and end users to inform design, we define and deliver start-up requirements, handover, and training to ensure fit for purpose solutions ensuring smooth transition into operations.

ASSET MANAGEMENT

A complete asset management lifecycle service with a performance focus to integrate a centralised information system for physical assets to support post occupancy operational process, maintenance, engineering, and training requirements.

MAINTENANCE & ENGINEERING SUPPORT

Full lifecycle maintenance, plant and reliability engineering and engineering support services to implement the asset management plan, using proven solutions and maintenance rationalisation to optimise asset performance, improve reliability and better achieve client outcomes.

SAFETY CASE RATIONALISATION

COMS provides end-to-end Safety Case Rationalisation and LTPR support, combining governance, stakeholder management and SQEP technical capability to progress safety case changes, deliver implementation packages and strengthen regulatory confidence while improving operational clarity and performance.

Developing your processes and procedures to ensure you have the knowledge and capabilities you need to get the job done right first time — reducing waste and eliminating the need for expensive rework.

PROJECT MANAGEMENT

COMS currently deliver Project Management providing a logical structure for the full journey of a project from first conception through to completion of complex tasks across various work streams to achieve specific project objectives according to the project acceptance criteria within agreed parameters.



Key Contact:

Joe Goodwin

Head of Business: Waste & Decommissioning Strategy

jon.goodwin@cyclife-edf.com

+44 (0)7788 958 068

Visit:

 cyclife-edf.com

 [cyclife-uk](https://www.linkedin.com/company/cyclife-uk)

Cyclife UK is a nuclear-focused engineering company delivering consultancy, design, construction, dismantling, and waste management services across the nuclear lifecycle. Serving sectors including decommissioning, plant life extension, defence, medicine, and research, the company provides integrated, turnkey solutions with a strong emphasis on safety and sustainability.

Headquartered in Cumbria, where it operates a licensed facility specialising in the recycling of low-level radioactive metal waste to support complex decommissioning projects, Cyclife UK also maintains offices and workshops in Twyford and Washington. These locations are home to its technical and site project teams, respectively.

Exportable Expertise:

- Consultancy (Waste Management & Engineering)
- Contract Management
- Decommissioning
- Decontamination & Waste Treatment
- Process Plant & Equipment concept development
- Detailed Design & Engineering
- Large item movements (such as boilers)
- Packaging for transport & storage of radioactive materials
- Programme & Project Management

Company Experience:

With a workforce of over 240 employees, Cyclife UK is committed to being a leading provider of nuclear engineering and waste management solutions within the UK market.

Cyclife delivers comprehensive, turnkey solutions across the entire nuclear lifecycle. We focus on delivering exceptional solutions in the following areas:

- Decommissioning and Waste Management
- Containment and Shielded Facilities
- Transport and Packaging
- Equipment Modification
- Nuclear Medicine

As part of our international capabilities, Cyclife have supporting the following project examples:

- Our nuclear-licensed site in Cumbria specialises in the sorting, segregation, treatment and recycling of low-level radioactive metal waste, a key element supporting complex decommissioning projects for customers in the UK and Europe.
- Waste management consultancy – supporting a feasibility study on contaminated buildings demolition and contaminated concrete waste management in Lithuania.
- Cyclife engaged on the design and manufacture a shielded containment in Vienna that could operate as a glovebox in normal conditions, but if a higher radioactive activity sample is received, the cell can be remotely operated using tongs.
- Cyclife were contracted to design, manufacture, test, install and commission remotely operated size reduction equipment in the Active Cells of the European Spallation Source (ESS) in Sweden.

As part of EDF's Cyclife Group, we leverage additional global expertise and resources:

- Cyclife Sweden: Advanced metal treatment (segmentation, decontamination, melting), handling large components, and thermal treatment of organic waste.
- Cyclife Digital Solutions: High-quality software for 3D data visualization and exploitation.
- Joint Ventures:
Graphitech — Specialising in dismantling graphite technology reactors.
- Waste2Glass — Industrial development of GeoMelt® vitrification technology for diverse waste types.



The University of Manchester
Dalton Nuclear Institute

Key Contact:

Patrick Hackett

Operations Manager

patrick.hackett@manchester.ac.uk

Visit:

 dalton.manchester.ac.uk

 [dalton-nuclear-institute](https://www.linkedin.com/company/dalton-nuclear-institute)

The Dalton Nuclear Institute at The University of Manchester brings together the largest and most diverse nuclear research community in UK academia.

Our multidisciplinary expertise spans the full nuclear lifecycle and the development of fusion energy, supported by nationally significant research facilities and extensive collaborations with industry, government and international partners.

We deliver world-leading research, independent expertise and innovation across nuclear science and engineering, while supporting safe operation and decommissioning, informing policy and developing the skilled workforce needed for the future of the global nuclear sector.

Exportable Expertise:

Research, innovation & training to support:

- Decommissioning & waste management
- Fusion energy
- Generation, decarbonisation & sustainability
- Nuclear fuels
- National security & defence
- Nuclear medicine

Company Experience:

Our world-leading nuclear research is underpinned by cutting-edge facilities, specialist expertise and deep industry collaboration, enabling innovation across the fuel cycle, from fundamental science to real-world application.

We host a range of nationally leading facilities, many unique to the UK. These include:

- **Dalton Cumbrian Facility:** World-leading radiation science facilities providing the experimental infrastructure and expertise to enable fundamental research in radiation science.
- **Dalton Fusion Facility:** Advancing digital engineering and tritium science for fusion energy, linking experimental testbeds, digital twins and modelling to support the design, validation and safe operation of future fusion power systems
- **Nuclear Engineering Science and Technology Laboratory:** Supporting advanced nuclear research in fission and fusion, specialising in molten salt technology, aqueous chemical processes and waste management strategies, with infrastructure for the safe handling of radionuclides and other hazardous materials.
- **RADioactive waste management and Environmental Remediation:** Enabling characterisation of radionuclides behaviour in engineered and natural environments to underpin legacy and new national programmes in nuclear decommissioning and disposal.
- **Nuclear Fuel Centre of Excellence:** Investigating uranium-bearing fuel materials on the pellet scale. Developed to manufacture, characterise and test current and novel nuclear fuels, it includes a suite of advanced manufacturing, state-of-the-art characterisation and high temperature test instruments.
- **Irradiated Materials Facility:** With a focus on nuclear graphite and fuel cladding, it provides end to end active material handling, advanced radiological and microstructural characterisation, in situ thermomechanical testing under representative environments, and comprehensive porosity analysis, enabling detailed studies of irradiation damage and ageing in reactor materials.
- **Modelling and Simulation Centre:** Focusing on the development of cutting-edge computational methods and physical modelling to tackle industrial challenges in fluid dynamics, thermal hydraulics and structural mechanics.
- **Manufacturing Technology Research Laboratory:** Supporting welding processes including Gas Tungsten Arc Welding, Gas Metal Arc Welding and Shielded Metal Arc Welding.



Key Contact:

Charlie Jackson

Chief Growth Officer

cjackson@dbdinternational.com

+44 (0)7541 620 111

Visit:

 [dbdinternational.com](https://www.dbdinternational.com)

 [dbd-int](https://www.linkedin.com/company/dbd-int)

DBD International is a specialist nuclear consultancy operating exclusively across the civil and defence nuclear sectors, delivering solutions to complex technical, engineering and programme challenges. As an agile and rapidly growing SME, we combine deep nuclear expertise with a collaborative, delivery-focused approach to help clients achieve successful outcomes on critical programmes and missions. Our integrated capabilities span technical consultancy, digital optimisation and P3M delivery, enabling us to support projects from strategic planning through to execution. Working in partnership with clients and delivery organisations worldwide, we bring together the expertise, technology and insight needed to deliver safe, efficient and intelligent solutions to missions that matter.

Exportable Expertise:

- Digital twins & mission optimisation platforms
- Integrated data environments & cloud-based architectures
- Advanced modelling & simulation using custom & commercially available codes
- AI-enabled workflow automation & decision-support tools
- Custom application development
- Automated data pipelines & scalable data warehouses
- Development & implementation of real-time visualisation and integrated performance dashboards
- Front-end engineering & concept development
- Multi-disciplinary systems integration
- Nuclear process/facility engineering
- Plant commissioning & operational readiness
- Safety case development & regulatory support
- Hazard identification & analysis
- Environmental & licensing support
- Engineering management & intelligent client capability
- Integrated programme & project management
- Portfolio planning & prioritisation
- Project controls, scheduling & performance management
- Risk, opportunity & change management
- Integrated master planning & mission dependency modelling
- Governance, assurance & delivery readiness reviews
- Stakeholder integration & collaborative delivery models
- Strategic business case & investment support

Company Experience:

DBD's global footprint demonstrates our ability to deliver highly technical and innovative solutions for major corporate and government clients across the UK, US and Canada.

Key project examples include:

Nuclear Waste Services – Group Waste Model, UK: Developed and implemented a cloud-hosted integrated model which simulated retrieval, processing, storage and disposition of the UK radioactive waste liability. Connected with data pipelines and Power BI, it simulates a multi-year mission in minutes and provides data to underpin the baseline for geological disposal.

Dounreay – Delivery Centre Model, UK: Implemented a data hub integrating cost, schedule, resource and planning systems. This centralised digital solution broke down organisational silos, unlocking £11m in cost avoidance within eight weeks.

Savannah River Mission Completion – Waste Processing Optimisation, US: Developed a digital twin of the liquid waste system, utilising scenario-driven AnyLogic and gPROMS models to simulate tank farm logistics and chemical/radionuclide behaviour, automating system planning and reducing planning timelines from weeks to minutes.

Babcock, Devonport – Alternative Mechanical Handling: Led technical integration and engineering assurance supporting a nuclear-powered submarine deep maintenance period. Embedded within the Technical Authority team, DBD managed multi-contractor interfaces for cranes and lift platforms, eliminating 97% of legacy crane lifts.

UKAEA – Hydrogen-3 Advanced Technology, UK: Acted as System Integrator for a first-of-a-kind fusion fuel cycle facility, coordinating multiple complex subsystems. Managed multi-disciplinary interfaces and delivered the site-wide Integrated Control System.

Idaho Environmental Coalition – IMPCT Tool, US: Built a simulation engine on an existing Snowflake data platform to digitise strategic planning. The tool integrates schedule and cost datasets into real-time dashboards to optimise a 10-year cleanup horizon and task order strategy.

Canadian Nuclear Laboratories – Isotope Production Facility, CA: Acted as Integrated Project Delivery partner to scale a laboratory process into an automated, industrial-scale pharmaceutical facility. Delivered front-end process engineering, dynamic throughput modelling and bespoke radon abatement systems.



Key Contact:

Kris MacCrory

Business Development Lead

krismaccrory@das-ltd.co.uk

+44 (0)7467 991 096

Visit:

 das-int.com

 [decision-analysis-services-ltd](https://www.linkedin.com/company/decision-analysis-services-ltd)

Decision Analysis Services (DAS) is an independent professional services company. Since 2007 we have provided services globally to more than 200 client organisations within the energy, defence & security, government, transport and water sectors. We specialise in bridging the gap between strategic planning and operational execution, developing enduring solutions to the uniquely complex issues faced by our clients.

We are experts in programme management, systems thinking, investment modelling, machine learning, and data analysis. These unique skills, coupled with our extensive experience of engineering, regulatory practices and operations delivery enable us to delve deeper, provide invaluable insight and foresight, and develop sustainable, long-term solutions to client issues.

Exportable Expertise:

We provide consultancy & contract management expertise, including:

- Programme & portfolio management
- Strategic decision support
- Investment and business case modelling
- Digital and data analytics
- Supply chain assurance and assessment
- New build, SMR and AMR deployment advisory

We also have unique and specific insight into the development and deployment of new nuclear technologies, covering critical aspects including:

- Technology and supply chain
- Development
- Finance and funding
- Siting
- Operations and end users

Company Experience:

At DAS, we have deep understanding of the UK civil and defence nuclear markets, underpinned by long-term relationships and a close involvement in key industry initiatives. We combine extensive sector expertise with a clear understanding of the technical, operational, political and regulatory environment. This means we are well placed to support our clients achieve meaningful outcomes and lasting transformation.

We are trusted by civil nuclear licensees, defence nuclear primes, UK Government, regulators, and a range of Tier One organisations to help them navigate complex challenges and deliver lasting impact.

Highlights of our work in civil nuclear include:

- Supporting a key nuclear operator as a trusted framework supplier to address critical operational, regulatory and technical challenges continuously for almost fifteen years to improve safety, efficiency and asset performance
- Supporting a major nuclear decommissioning and waste management site to establish a central digital engineering capability, and leading multi-million-pound lean process improvement activities.
- Working with a giga-watt nuclear new build developer to re-define their project management lifecycle and support the development of their target operating model.
- Working with a fuel manufacturer to assess and develop their long-term strategy, and plan for transformation.
- Working in a government authority on the development of several investment appraisal models to support the development of economic and finance business cases for multi-million-pound projects.
- Being commissioned by industry to develop a dynamic workforce planning model able to assess the future supply of skills into the sector and stress test strategies to meet future demand.
- Being commissioned by government and industry to set out the high-level roadmap for the deployment of a first of a kind small modular reactor in the UK

We are passionate about supporting clients in the UK and overseas to seize opportunities across nuclear and turn vision into actions, and actions into meaningful outcomes.



Key Contact:

Beeby Bell

Business Development Manager - Nuclear

bbell@delkia.co.uk

+44 (0)7943 129 857

Visit:

 delkia.co.uk

 [@DelkiaLtd](https://twitter.com/DelkiaLtd)

 [delkialtd](https://www.linkedin.com/company/delkia)

Delkia offers specialised services in two main sectors: nuclear and defence. Our nuclear services team focus on process control and containment, and innovative nuclear digital systems to ensure safety and efficiency in nuclear operations. Whilst our defence team provide cutting-edge defence systems, including mission systems, defence digital systems, and production build designed to enhance operational readiness and security. Together, these services reflect our commitment to excellence and reliability for safety and mission-critical sectors.

Exportable Expertise:

Delkia provides exportable expertise in safety-related and mission-critical systems for nuclear, defence and other highly regulated sectors.

Key capabilities include:

- nuclear safety & assurance support
- process control & containment systems
- nuclear safety & licensing
- nuclear digital systems
- control, electrical & instrumentation engineering
- mission systems
- tactical data links
- defence digital systems
- production build
- integration
- inspection
- testing

Delkia's experience in regulated delivery enables clients to access trusted engineering capability for complex programmes requiring reliability, compliance, safety and operational resilience.

Company Experience:

Delkia has over 30 years' experience delivering safety-related and mission-critical engineering and technology solutions for highly regulated nuclear and defence environments. Our work supports clients where reliability, assurance, compliance and operational resilience are essential.

Within the nuclear sector, Delkia provides expertise in process control, containment systems, nuclear digital systems, control, electrical and instrumentation engineering, safety assurance and regulated project delivery. This includes support to complex nuclear programmes requiring robust engineering governance, inspection, testing, verification and validation, and alignment with client and regulatory expectations.

In defence, Delkia has proven experience in mission systems, defence digital systems, tactical data links and production build. Our teams support government and commercial clients with secure, dependable solutions that enhance operational readiness and protect people, assets and missions. Delkia's long-standing tactical data link capability demonstrates our ability to deliver specialist systems engineering expertise into critical defence environments.

Across both sectors, Delkia's project experience includes design support, manufacture, integration, inspection, testing, packaging and delivery of engineered equipment and digital systems. We are experienced in working within demanding assurance frameworks and supporting programmes where safety, security, quality and schedule certainty are key delivery drivers.

Delkia's experience is underpinned by a commitment to collaborative delivery, technical integrity and continuous improvement. Our capability is transferable to international nuclear and defence programmes seeking trusted UK expertise in safety-critical engineering, digital systems, mission systems and regulated project execution.



Key Contact:

Maisie Ross

Director

maisieross@deloitte.co.uk

+44 (0)7721 818 663

Visit:

 [deloitte.com](https://www.deloitte.com)

 [@DeloitteUK](https://twitter.com/DeloitteUK)

 [deloitte](https://www.linkedin.com/company/deloitte)

Deloitte is a leading global provider of audit and assurance, consulting, financial advisory, risk advisory and tax services, with over 470,000 people across more than 150 countries and territories.

Our purpose is to make an impact that matters, underpinned by commitments to sustainability (WorldClimate), skills development (WorldClass), and inclusion (ALL IN). In the UK, Deloitte combines deep industry expertise with innovation to support organisations across complex sectors, including infrastructure and nuclear, helping clients deliver transformation, improve performance, and respond to regulatory and societal challenges.

Exportable Expertise:

- Management Consultancy
- Digital transformation
- Organisational design
- Internal audit
- Programme advisory
- Project assurance
- Financial modelling
- Due diligence
- Commercial and procurement advisory
- Funding and finance
- M&A
- Risk management
- Business case development

Company Experience:

Deloitte delivers transformation and assurance across the infrastructure and energy sectors, supporting organisations to address strategic, operational, and regulatory challenges. Our multidisciplinary teams offer a comprehensive range of services, including digital transformation, organisational design, internal audit, programme advisory, project assurance, financial modelling, due diligence, commercial and procurement advisory, funding and finance, M&A, risk management, and business case development.

We work with government bodies, asset owners, operators, and supply chain partners to deliver large-scale programmes and respond to evolving sector demands. Our integrated approach ensures alignment between strategy, operations, technology, and people, enabling organisations to achieve lasting impact and sustainable outcomes.

In the nuclear sector, Deloitte has extensive experience across both civil and defence projects, supporting public and private sector clients throughout the full asset lifecycle. Our teams have supported the UK's civil nuclear new build, such as Sizewell C, Small Modular Reactor (SMR) and UKAEA, defence nuclear infrastructure upgrades, and major decommissioning projects such as Sellafield and NRS, providing expertise in programme assurance, procurement strategy, cost optimisation, regulatory compliance, and funding model development.

We also bring strong capabilities in digital enablement, applying data analytics, automation, and emerging technologies to enhance planning, reporting, and decision-making—critical in asset-intensive environments where visibility, control, and efficiency are essential. Our experience includes supporting clients to respond to evolving safety, security, and environmental requirements, as well as navigating new funding and regulatory models.

By combining global insight with UK-specific regulatory and sector expertise, Deloitte helps nuclear sector clients improve resilience, strengthen delivery, and contribute to long-term objectives such as net zero and energy security. Our breadth of services and deep sector experience mean clients can rely on us as a trusted partner for all aspects of transformation, assurance, and strategic delivery.



Key Contact:

Amanda Niedfeldt

Director of Business Development
& Industrial Strategy

amanda.niedfeldt@digilab.ai

+44 (0)7963 716 666

Visit:

 digilab.ai

 [digilab-solutions-ltd](https://www.linkedin.com/company/digilab-solutions-ltd)

digiLab enables organisations across the nuclear sector to adopt artificial intelligence with confidence. As reactor systems, fuel cycles and emerging SMR programmes grow in complexity, the industry requires artificial intelligence it can trust to inform safety-critical decisions, without relinquishing control to opaque systems. The company's platform, The Uncertainty Engine, provides operators, engineers and researchers with a trustworthy and explainable foundation for adoption, accelerating innovation while ensuring that human expertise and accountability remain paramount. digiLab enables nuclear organisations to deploy artificial intelligence safely across their most critical infrastructure, retaining sovereignty over essential decisions and supporting the delivery of safe, low-carbon energy.

Exportable Expertise:

- AI/ML platform & product
- AI/ML expertise

Company Experience:

digiLab has established its reputation by addressing some of the most demanding challenges in safety-critical engineering, with the nuclear sector at the centre of its work.

Since 2022, the company has served as a strategic artificial intelligence partner to the UK Atomic Energy Authority (UKAEA), supporting the national programme to deliver a prototype fusion power plant. Such work is inherently unforgiving: decisions carry substantial financial and safety consequences and must frequently be taken on the basis of sparse, complex or incomplete data — precisely the conditions under which conventional artificial intelligence proves inadequate and trustworthy, explainable systems become essential.

The value of digiLab's approach is most evident in its outcomes. In one engagement, The Uncertainty Engine was applied to provide engineers with a clear assessment of operational risk across a critical sensing system, identifying vulnerabilities prior to the construction phase. In the context of a full project lifecycle, this approach avoids costly late-stage redesign, can extend the operational life of a £10 billion asset, and deliver savings to operators in the tens of millions of pounds.

In a separate, multi-year collaboration, digiLab addressed a long-standing barrier to reactor design that had conventionally required millions of CPU hours of simulation. By embedding trustworthy artificial intelligence within the process, the company delivered results up to 100,000 times faster than direct simulation while preserving reliable, quantified confidence in every result. This conserved hundreds of thousands of CPU hours and enabling lines of investigation that had previously been impractical.

These engagements reflect digiLab's distinctive ability to combine deep nuclear-industry knowledge with frontier artificial intelligence, converting concepts into deployable, trustworthy tools at pace, while ensuring that human expertise, accountability and control remain firmly with its partners. From SMR design and reactor performance to fuel cycle optimisation, digiLab enables operators, engineers and researchers to adopt artificial intelligence with confidence and accelerates innovation while retaining sovereignty over the safety-critical decisions that matter most.



A COMPANY OF GROUPE SNEF

Key Contact:

Thomas Eck
UK Business Manager
thomas.eck@ekium.eu
+44 (0)7849 862 704

Visit:

 ekium.com
 [ekium-uk](https://www.linkedin.com/company/ekium-uk)

Ekium, part of the SNEF Group, is a multidisciplinary engineering company with substantial international experience in the nuclear sector.

A key contributor to the energy transition and industrial decarbonisation, Ekium supports clients across the full project life cycle, delivering services ranging from feasibility studies, pre-FEED and FEED, to EPCm, EPC, site surveys, construction supervision, testing, and PMO. Our expertise covers mechanical, electrical, civil and layout engineering, safety, contract management, and project management.

Exportable Expertise:

Engineering & Construction

- Architectural Fit-out
- Civil Engineering
- Civil, Structural & Architectural Design
- Construction Management
- Design Consultants
- Electrical Engineering
- Electrical, Controls & Instrumentation (EC & I)
- Mechanical Engineering
- Site Erection
- Supporting Infrastructure

Specialist Services

- Consultancy
- Contract Management
- Decommissioning
- Energy Development Company
- Equipment Qualification
- Fusion
- Infrastructure Design
- Knowledge Management
- Modelling & Simulation
- Nuclear Fuel Cycle Services
- Nuclear Safety & Licensing
- Planning Advice
- Process Engineering
- Programme and Project Management
- Reactor Design & Developer/Utility
- Risk Management
- Robotics & Autonomous Systems
- Site Selection & Infrastructure
- Site, Health & Safety
- Supply Chain Management
- Testing & Inspection
- Training
- Waste Management

Company Experience:

Ekium is a multidisciplinary engineering firm serving the industrial, naval, and energy sectors.

We support our clients in their industrial strategy, the design of their equipment and facilities, construction management, production oversight, and facility maintenance.

Our clients rely on our engineers and technicians to assess the transformation of their plants as part of the energy transition, expand their production capacity, optimize their processes and productivity, and ensure the compliance and reliability of their facilities through maintenance, plant shutdowns, and revamping projects.

With over 35 years of experience in industrial and nuclear engineering, we support our clients in addressing their technical performance challenges while incorporating the requirements of safety, energy transition, and sustainable innovation.

Considering the climate emergency and Net Zero goals, manufacturers need partners who can:

- Evaluate and select relevant technologies in a rapidly evolving ecosystem
- Integrate these solutions into constrained environments (offshore, nuclear, maritime, continuous processes)
- Ensure the technical and economic viability and regulatory acceptability of investments

Our 2 key areas of focus in the UK:

- Nuclear and Renewable energy production
- Greenhouse Gas Reduction & Energy Efficiency



Key Contact:

Mark Lewis

Operations Director

mark@evolutionsafetysolutions.co.uk

+44 (0)333 339 9037

Visit:

[evolutionsafetysolutions.co.uk](https://www.evolutionsafetysolutions.co.uk)

[@ESafetySolution](https://twitter.com/ESafetySolution)

[evolution-safety-solutions](https://www.linkedin.com/company/evolution-safety-solutions)

Evolution Safety Solutions is a specialist consultancy providing quality, safety, environmental and compliance services to organisations operating throughout the nuclear supply chain. We support new build, decommissioning, operational facilities and supplier organisations through ISO 19443 implementation, management system development, auditing, training and regulatory compliance services. Our consultants combine extensive experience across nuclear, construction and high-hazard industries, helping organisations strengthen safety culture, improve supply chain assurance and meet international quality requirements. We deliver practical, proportionate solutions that enable organisations to operate safely, compliantly and effectively within highly regulated environments.

Exportable Expertise:

Nuclear Quality Management:

- ISO 19443 Implementation
- ISO 19443 Internal Auditor Training
- Quality Management Systems
- Supplier Qualification & Assurance
- Supply Chain Compliance

Nuclear Safety and Assurance:

- Nuclear Safety Culture
- Contractor Assurance
- Governance & Compliance
- Independent Auditing
- Risk Management

Fire Safety Consultancy:

- Fire Risk Assessment
- Fire Safety Management Systems
- Fire Strategy Development
- Emergency Preparedness & Response
- Fire Compliance Auditing

Training & Competence Development:

- Nuclear Industry Training
- ISO 19443 Awareness Training
- Internal Auditor Development
- Leadership & Safety Culture Training
- Competence Management

Regulatory & Management Systems Support:

- ISO 9001
- ISO 14001
- ISO 45001
- Integrated Management Systems
- Continual Improvement Programmes

Company Experience:

Evolution Safety Solutions Ltd is a specialist consultancy supporting organisations throughout the nuclear supply chain with ISO 19443 implementation, nuclear quality assurance and fire safety management services. We help organisations supplying products and services important to nuclear safety (ITNS) strengthen compliance, improve operational performance and meet the expectations of nuclear operators, regulators and major project stakeholders.

Our principal area of expertise is ISO 19443, the international quality management standard for the nuclear supply chain. We provide implementation support, gap analysis, management system development, internal auditing, supplier assurance programmes and specialist training to organisations seeking to enter, operate within or expand their presence in the nuclear sector. Our services help organisations embed nuclear safety culture, apply graded approaches to quality management, strengthen supply chain controls and demonstrate alignment with internationally recognised nuclear quality requirements. ISO 19443 builds upon ISO 9001 with additional requirements relating to nuclear safety culture, ITNS determination and graded application of quality requirements.

In addition, we deliver specialist fire consultancy services for nuclear and other high-hazard environments. Our expertise includes fire risk assessments, fire strategy development, compliance auditing, emergency preparedness, fire safety management systems and competency development. We support clients in protecting personnel, assets and critical infrastructure while ensuring compliance with statutory, regulatory and industry-specific requirements.

Through consultancy, auditing and training, Evolution Safety Solutions helps organisations develop robust management systems, strengthen assurance arrangements and build the competence required to operate successfully within highly regulated environments. Our practical approach, combined with extensive experience across the nuclear sector, enables clients to achieve sustainable improvements in quality, safety and organisational performance while maintaining a strong focus on nuclear safety and operational resilience.



Key Contact:

James Pateman

CEO

j.pateman@fermidevelopment.com

+44 (0)7789 073 082

Visit:

 fermidevelopment.com

We are a UK-based nuclear energy developer focused on identifying, securing and developing a portfolio of sites for Small and Advanced Modular Reactors. We apply a staged, technology-agnostic development model designed to reduce risk, unlock investment and create “ready to build” sites that can support fleet deployment. Our approach combines long-term development discipline with partnership-led delivery to help accelerate the UK’s next phase of nuclear growth.

Exportable Expertise:

- Nuclear site development strategy
- Portfolio-based site advancement.
- Staged de-risking & development planning.
- “Ready to Build” site positioning.
- Technology-agnostic approach to new nuclear site development.
- Partnership-led project delivery for SMR & AMR markets
- Energy Development Company
- Site Selection & Infrastructure

Company Experience:

Fermi Development was founded on a simple belief: Small Modular Reactors are not just a new nuclear technology, they are an opportunity to transform how nuclear projects are developed.

After working across major nuclear projects including Hinkley Point C, Sizewell and the early Rolls-Royce SMR programme, founder James Pateman spent six years delivering renewable energy infrastructure projects. It was there that he recognised something the nuclear sector had largely overlooked.

Renewables succeed because developers identify opportunities early, share risk, secure land, attract investment and build projects through a structured development process. SMRs create the opportunity to apply that same model to nuclear for the first time.

Unable to find organisations pursuing this approach, James partnered with land origination specialist Alec Greenwell to create Fermi Development.

Today, Fermi focuses on the earliest stages of project development: identifying viable sites, securing land opportunities, building partnerships and creating investable projects capable of supporting future SMR deployment.

Unlike traditional nuclear organisations, Fermi operates as a lean and agile developer, bringing together specialist expertise as required rather than building large permanent teams.

In a sector often dominated by large organisations and long timescales, Fermi exists to move quickly, challenge conventional thinking and help unlock the next generation of nuclear projects.

Put simply, while others focus on reactors, Fermi focuses on creating the conditions that allow projects to succeed.



Key Contact:

Fiona Reilly
CEO

fiona@fireenergy.co.uk

Visit:

 fireenergy.co.uk

 [fire-energy-ltd](https://www.linkedin.com/company/fire-energy-ltd)

The strategic advisors on low carbon and net zero infrastructure.

FiRe Energy is a strategic consultancy that focuses on low carbon and net zero infrastructure projects, and companies, across the energy and infrastructure sectors.

Established by Fiona Reilly we advise governments, project developers and technology companies. our approach is designed to help clients achieve their unique goals in the delivery of major infrastructure projects, and the development of innovative technologies in the most targeted and efficient way.

Exportable Expertise:

- Consultancy

Company Experience:

Past & Ongoing Nuclear Work

- Specialist commercial consultancy to an international law firm providing advice to a nuclear reactor company (both large and small scale) in relation to their global projects across Europe, America and the Middle East.
- Specialist commercial consultancy to EY in relation to:
 - advice to a European Government entity on the support mechanism for nuclear projects and submissions to the EU Commission;
 - advice to a SMR project on its development and the requirements for government support across electricity and heat off-take; and
 - advice to a SMR project company.
- Delivering workshop to a wide range of stakeholders across Canada on financing nuclear projects.
- Consultancy services to a world leading fusion project on structuring and the Target Operating Model (TOM), ESG, commercialisation and accessing private financing.
- Strategic advice to Generation IV small nuclear technology company.
- Working with a CEO on the development of the commercial pathway for SMR and AMR technologies.
- Providing strategic guidance on the nuclear decommissioning market in the UK for an engineering and construction company.
- Strategic advice to the public sector on green bonds, governance and establishment of a fund.
- Supporting a company on the development and implementation of a new nuclear technology park.
- Delivering structuring and development support on the establishment of nuclear fission projects.



Key Contact:

Stuart Brown

Head of Programme Delivery

stuart.brown@fis360.com

+44 (0)7719 397 007

Visit:

 [fis360.com](https://www.fis360.com)

 [fis360-ltd](https://www.linkedin.com/company/fis360-ltd)

We are an innovation delivery and technology commercialisation specialist supporting regulated industries, corporates, SMEs, academia and government. Since 2013, we have delivered transformative programmes including Innovus and Game Changers, helping organisations turn ideas into practical outcomes. We focus on open innovation, collaboration, training and commercialisation, and we work to connect challenge holders with the right expertise to create real-world impact.

Exportable Expertise:

- Open innovation programme design & delivery
- Technology commercialisation support
- Innovation training & culture change
- Innovation networking & ecosystem building
- Commercialisation of early-stage technologies
- Nuclear innovation programme management

Company Experience:

With ISO 9001, ISO 14001 and Cyber Essentials Plus certifications, FIS360 has trained over 90 innovators, supported 440+ organisations across 50+ sectors, and leveraged £14 million+ in early stage funding. Our core values — flexible, proactive, collaborative and transformative — drive impactful outcomes in highly regulated industries such as nuclear, energy, water, and aerospace.

We design and deliver challenge-led open innovation and technology commercialisation programmes, connecting clients with a global network of innovators, researchers and solution providers. Through Game Changers for Sellafield Ltd, we manage challenge definition, outreach, applications, funding, project oversight and commercialisation mentoring, helping early-stage solutions progress toward deployment.

Our experience includes assessing 1,000+ applications, supporting 300+ feasibility studies and 130+ proof-of-concept projects, coordinating active technology demonstrations, and securing follow-on investment for solution providers. We also deliver tailored entrepreneurship, intrapreneurship and innovation-culture training for industry, academia and early-career innovators, supported by market research, intellectual property guidance, technology readiness assessment, licensing insight and route-to-market strategy.



Key Contact:

Ian Matheson
Business Development
mathesoni@fivestarproducts.com
+44 (0)7799 714 008

Visit:

 fivestarproducts.com

We are more than a manufacturer. We are a technical partner dedicated to delivering consistent, long-lasting and reliable project success.

We formulate, manufacture and support the installation of precision epoxy grouts, precision cementitious grouts and concrete rehabilitation and repair solutions.

We serve a broad range of sectors, including petrochemical, power, utility, industrial, marine and infrastructure, with high-performance products designed for demanding environments.

Exportable Expertise:

- Precision epoxy grouts
- Precision cementitious grouts
- Concrete repair & rehabilitation systems
- Chemical-resistant coatings & waterproofing
- Adhesives & anchoring solutions
- Industrial support for power, nuclear, infrastructure & marine sectors

Company Experience:

We engineer, manufacture and support the installation of versatile precision, non-shrink cement and epoxy-based grouts, along with structural repair products for challenging applications.

Our product range includes chemically resistant coatings, patches, pile and column repair systems, concrete restoration products, vibration dampening solutions, waterproof coatings, adhesives and machinery foundation systems for rapid turnaround.

We work with contractors, distributors, engineers and project owners, and every product we produce meets ISO 9001:2015 quality standards. Our experience in harsh industrial and infrastructure environments means we can support projects that demand technical reliability and long service life.

Built on over six decades of innovative leadership, Five Star Products, Inc. holds a singular focus on providing solutions that meet the ever-increasing demands of modern industrial construction.



Key Contact:

Thomas Broadley-Smith

Executive Director, Business Development

uk.sales@fluor.com

+44 (0)1252 291 000

Visit:

 fluor.com

 [@fluorcorp](https://twitter.com/fluorcorp)

 [fluor](https://www.linkedin.com/company/fluor)

We are a global engineering, procurement and construction company providing professional and technical solutions across the full project lifecycle.

We deliver safe, well-executed and capital-efficient EPC projects to clients in the United Kingdom and around the world. Our services span nuclear, energy, infrastructure, life sciences, mining and other complex sectors, supported by long-standing UK operations and deep project delivery experience

Exportable Expertise:

- EPC & EPCM delivery
- Project management & construction execution
- Nuclear new build project execution & support
- Operating plant modifications & maintenance
- Decommissioning & remediation support
- Cross-sector engineering & lifecycle services

Company Experience:

We have provided engineering, procurement, construction and maintenance services to the nuclear industry since 1946, and we currently support nuclear new build projects, operating plant modifications and operations and maintenance services.

In the UK, we have delivered decommissioning services for 12 nuclear sites, including Magnox and research restoration sites. Our UK presence is based in Farnborough, and our wider global experience includes major nuclear EPC and decommissioning work, plus collaborative projects with international partners. We bring scale, technical depth and multi-sector delivery experience to complex projects that require integrated execution.

Fluor Limited has successfully executed over 700 major EPC projects in the UK and elsewhere in Europe and the Middle East, many of which have been multi-billion-pound projects. In line with this, the office has substantial experience with major procurement activities, supply chain, modularisation and the management of complex logistics.

From the 1960's through to the early 1990's Fluor became a leading builder of commercial nuclear power plants. In this period, Fluor designed 3 nuclear power plants, constructed 10 nuclear power plants and supported construction on a further 10 facilities. Since 1977, Fluor has executed more than 90 million hours supporting operating nuclear plants with its civil nuclear experience spanning all facets of nuclear power plant design, construction, modification and maintenance.

As one of the major contractors for the U.S. Department of Energy, Fluor has provided engineering, procurement construction and construction management services to projects that include: Rocky Flats; Yucca Mountain; Idaho National Engineering and Environmental Laboratory; Los Alamos National Laboratory; Brookhaven National Laboratory; Pacific Northwest National Laboratory; Fernald, Hanford Nuclear Reservations, Savannah River Site and the Portsmouth Gaseous Diffusion Plant.

Fluor is currently active in nuclear new build activities in the US and Europe, and provides support for operating civil nuclear plants.

Foster + Partners

Key Contact:

C Lim & A Smith

marketing@fosterandpartners.com

Visit:

 fosterandpartners.com

 [foster-&-partners](https://www.linkedin.com/company/foster-&-partners)

Foster + Partners is a global studio for architecture, engineering, urbanism and design, delivering integrated, sustainable solutions across complex infrastructure projects worldwide. With extensive experience in major transportation hubs, high performance buildings, and advanced technology environments, the practice combines architectural excellence with multidisciplinary engineering expertise.

Exportable Expertise:

- RIBA Chartered Practice
- ISO-aligned quality & environmental management systems (ISO 9001/ISO 14001 aligned practices)
- Strong focus on sustainability, net zero carbon strategies, & digital design (BIM and parametric design)
- Proven capability in multi-disciplinary coordination for complex, highly regulated projects
- UK & Europe
- Middle East and Africa (especially sub-Saharan Africa)
- Southeast Asia and China

Company Experience:

We support clients from early strategic definition through detailed design and delivery, working across disciplines to meet operational, environmental, and user-focused objectives. The practice's global experience and collaborative approach position us to contribute effectively across the lifecycle of nuclear new build programmes and associated infrastructure.

- Projects in design or delivery in more than 50 countries on six continents
- Headquarters: London, UK with 20 offices globally

Past Nuclear Work

While Foster + Partners is not a nuclear reactor vendor, the practice brings extensive experience in infrastructure, mission-critical facilities, and complex systems integration, all directly applicable to nuclear environments.

This includes design leadership on large-scale, high-security, and safety-critical projects such as airports, transport interchanges, and advanced technology facilities, where resilience, redundancy, and operational efficiency are paramount.

Key Contact:

Nicole Lee
Business Development Manager
nicole.lee@fnc.co.uk
+44 (0)3330 154 525

Visit:

 fnc.co.uk
 [frazer-nash-consultancy](https://www.linkedin.com/company/frazer-nash-consultancy)

We are a multidisciplinary systems engineering and technology consultancy supporting clients across defence, transport, energy, resources, government and industry.

We help organisations deliver innovative engineering and technology solutions that make lives safe, secure, sustainable and affordable. Our work focuses on protecting and improving critical assets, systems and processes while supporting the transition to a more sustainable future.

Exportable Expertise:

- Systems engineering
- Engineering design
- Engineering analysis
- Research & development
- Project development
- Energy advisory
- Decommissioning support
- Structural analysis
- Fluid dynamics
- Materials performance & technology selection

Company Experience:

We work from a network of UK and Australian locations and support clients across nuclear, power, energy, transport, marine, defence, aerospace and industrial sectors. In offshore energy, decommissioning is our biggest workstream, and we also support anchoring systems, riser technology, pipe flow assessments and corrosion protection.

We apply our core capabilities in structural analysis, fluid dynamics, materials performance and technology selection across renewables and traditional energy markets, including offshore wind, hydrogen and carbon capture.

We have extensive knowledge and experience across nuclear science, technology, engineering, and assurance disciplines. We have an enviable reputation for delivering high quality support to major programmes; our clients include UK regulators, site licence companies, site license applicants and the supply chain.

We have experience of managing both large and small projects and are well placed to guide you through the complex and critical issues relating to risk management and safety assurance. Our expertise spans the nuclear enterprise and has been applied to all stages of the nuclear life cycle, including:

- New Build
- Power Generation
- Waste Management & Decommissioning
- Fusion



Key Contact:

Thomas Eichhorn

Head of New Business Dismantling,
Decommissioning & Disposal
thomas.eichhorn@gns.de
+49 (0)151 4064 1706

Visit:

 gns.de

 [gns-gesellschaft-fur-nuklear-service-mbh](https://www.linkedin.com/company/gns-gesellschaft-fur-nuklear-service-mbh)

German based nuclear specialist GNS has been providing reliable and efficient solutions for the management of spent nuclear fuel and waste for more than 50 years.

The GNS Group has outstanding expertise in the disposal of spent fuel and high-level waste from nuclear reactors, as well as in the safe treatment, packaging and storage of intermediate- and low-level waste from the operation and decommissioning of nuclear power plants and other nuclear facilities.

Exportable Expertise:

- Spent fuel management
- High-level, intermediate-level & low-level radioactive waste handling
- Nuclear waste processing, packaging & storage
- Transport and storage cask design & supply
- Decommissioning & dismantling solutions
- Treatment facility design & operation
- Engineering support for radioactive waste management
- ISO 9001:2015
- ISO 14001:2015
- KTA 1401
- BAM-GGR 011
- ASME N3 Construction of Section III, Division 3
- Construction of Section III, Division 3
- Construction of Section III, Division 3
- OHS 792668
- EN 1090-1:2009+A1:2011
- EN ISO 3834-2

Company Experience:

We have developed comprehensive solutions for all phases of waste management and decommissioning, from fuel-free status through to dismantling and packaging large components such as reactor pressure vessels and internals.

Our portfolio includes the CASTOR cask, storage and transport systems for spent fuel and radioactive waste, and treatment solutions for waste from nuclear power plants and research reactors. We operate internationally and are recognised as a major supplier of shielded casks, waste processing systems and decommissioning support services.

In Germany, GNS is entrusted with the disposal of residual materials and waste from the German nuclear power plants up to the transfer to federal interim storage. Additionally, GNS offers its products and services internationally on four continents today.



Key Contact:

Nick Tomkinson

Senior Partner

nick.tomkinson@gnsp.global

Visit:

 gnsp.global

 [@gnspartners](https://twitter.com/gnspartners)

 [gnspartners](https://www.linkedin.com/company/gnspartners)

Global Nuclear Security Partners (GNSP) is a UK-based management consultancy specialising in nuclear security, safeguards and nuclear threat reduction across civil, defence and emerging nuclear programmes. We support governments, regulators, operators, technology developers and major contractors in translating complex obligations into credible, proportionate and deliverable arrangements.

Our work covers threat assessment, security by design, protective force capability, sensitive nuclear information, safeguards, transport security, training, exercises and independent assurance.

Exportable Expertise:

- Management Consultancy

Company Experience:

GNSP works from policy and regulatory frameworks through to implementation, testing and assurance, helping clients protect nuclear and radiological material, secure critical infrastructure and develop enduring sovereign capability.

Any Other Pertinent Info

- Senior practitioners lead assignments directly, supported by an international network of former regulators, Armed Forces, law enforcement, intelligence, industry and international agency specialists
- Flexible delivery model covering targeted expert advice, independent challenge, embedded support and multi-year programmes
- Experience contributing to recognised frameworks and guidance, including ONR SyAPs, PADFOR and MOD TVAPR, WINS guidance and CNSP Academy modules
- Best-fit introductions include government ministries, regulators, nuclear operators, reactor developers and credible local partners in priority markets

Past Nuclear Work

- Supporting UK defence nuclear programmes for the Ministry of Defence, Babcock and BAE through threat assessment, security design and independent assurance
- Supporting DESNZ, ONR, Rolls-Royce SMR, X-energy and NRS across nuclear security, safeguards, regulatory delivery and capability development
- Helping Australia and Ukraine build sovereign nuclear security capability through specialist advice, training and exercises
- Developing security and safeguards arrangements for emerging maritime and transportable nuclear applications, including contributions to IAEA ATLAS

Key Contact:

Emma Downing
Engineering Sales Manager
edowning@goodwingroup.com
+44 (0)7772 887 674

Visit:

 goodwininternational.co.uk
 [goodwin-international-ltd](https://www.linkedin.com/company/goodwin-international-ltd)

Goodwin International is a UK heavy project engineering specialist based in Stoke-on-Trent, delivering manufacture-to-print and design-for-manufacture solutions for critical applications. Established in 1949 and drawing on the Goodwin group's engineering heritage since 1883, the company provides end-to-end capability covering planning, procurement, CNC machining, welding/fabrication, assembly, inspection, testing and certification. Its nuclear experience includes new build, decommissioning, spent fuel transport and storage, and high-integrity components for primary and secondary cooling systems, supported by secure facilities, accredited management systems and an export footprint spanning 50+ countries.

Exportable Expertise:

- Heavy project engineering & manufacture-to-print delivery
- Design-for-manufacture, CAD/CAM, reverse engineering & manufacturability reviews
- Project planning, PFMEA risk assessment, procurement & supply chain management
- Large-capacity CNC milling, CNC centre lathes, CNC vertical turning & 4/5-axis machining
- Robotic & manual welding/fabrication, cladding/overlay, PWHT & heat treatment
- Assembly, coating, pressure testing, inspection & lifetime documentation packs
- Metrology, CMM inspection, laser measurement & calibrated gauge control
- Non-destructive testing: radiography, ultrasonic, magnetic particle, dye penetrant & PMI
- Valve products including dual plate check, axial check, axial isolation & axial control valves
- Pump products & project engineering support for nuclear, defence, power generation, renewables, petrochemical, offshore & structural markets

Company Experience:

Goodwin International combines project engineering, manufacturing, testing and documentation from a secure single UK site in Trentham. Its nuclear track record includes historical supply to Sizewell B, Hinkley Point C and Sellafield, plus components for primary/class 1 and secondary/class 2 cooling loops, including valves, pumps, impellers and diffusers. The company is also engaged in global spent fuel transport and storage and long-term storage of radioactive material from legacy sites.

For international customers, Goodwin offers single-source accountability across planning, procurement, manufacture, inspection and test, supported by exports to more than 50 countries. Projects begin with multidisciplinary PFMEA and risk reviews, using Primavera P6, Seiki and internal workflow systems to manage complex programmes. Manufacturing capability includes 41 CNC machines, capacity above 250,000 machining hours per year, 24/7 operations and fabrications/assemblies up to 100,000 kg. Facilities cover large complex CNC milling, centre lathes, vertical turning with up to 5.5 m swing and 3.8 m workpiece height, ISO 3834 Part 2 accredited welding, robotic welding cells, PWHT and specialist heat treatment.

Quality assurance is integral to delivery. Goodwin operates an ISO 9001 accredited QMS, works to complex standards including RCC-M and ASME codes, and provides lifetime quality records. Inspection and test capability includes one of the UK's largest gantry CMMs, more than 2,500 calibrated instruments, laser measurement, industrial radiography, ultrasonic testing, magnetic particle inspection, dye penetrant inspection and PMI. Goodwin also works with sister company Goodwin Steel Castings, including ASME NCA 3800 certified casting capability, to supply machined castings and specialist materials for high-integrity nuclear and energy-sector applications.

Relevant Accreditations/Nuclear Differentiators

- Secure single UK site with controlled access areas for design, documentation, engineering and manufacturing
- ISO 9001 accredited Quality Management System; ISO 14001 and ISO 45001 HSE systems integrated to PAS 99:2012
- ISO 3834 Part 2 accredited welding facility, with welders qualified to standards including ASME IX, BS and EN
- Experience working to complex project specifications and codes including RCC-M, ASME, SABRe, AQAP, Defence Standards, GS3003 and GS3001
- In-house inspection and NDT capability supported by qualified personnel and traceable procedures
- Sister-company casting route through Goodwin Steel Castings, including ASME NCA 3800 certification for nuclear-sector castings



Key Contact:

Paul Green

Partner - Leader of Nuclear Sector (UK)

paul.green@uk.gowlingwlg.com

+44 (0)121 393 0273

Visit:

 [gowlingwlg.com](https://www.gowlingwlg.com)

 [@GowlingWLG_UK](https://twitter.com/GowlingWLG_UK)

 [gowlingwlg](https://www.gowlingwlg.com)

We are an international, sector-focused law firm with a leading global nuclear practice and a strong, dedicated energy transition capability. We support clients across the energy sector, including nuclear new build, decommissioning and wider infrastructure.

We advise public and private sector clients including governments, regulators, developers, operators and investors on regulatory, corporate and financing matters, and we work across the UK and internationally to help clients invest, develop and operate in highly regulated markets.

Exportable Expertise:

- Nuclear sector advisory, including new build, decommissioning & supply chain
- Nuclear regulatory & licensing support
- Nuclear financing & investment structures, including government-backed models
- Nuclear liability & risk management
- Commercial contracts for major projects, including EPC & supply chain arrangements
- Corporate, regulatory & project development advice across the energy sector
- Hydrogen, renewables & low carbon infrastructure
- Construction, planning & environmental advice

Company Experience:

Gowling WLG has significant experience advising clients across nuclear, energy, renewables and sustainable infrastructure. Our team works with regulators, utilities, lenders, developers and market participants on complex commercial, regulatory and financing matters across the UK and internationally.

Our experience spans the full project lifecycle, including development, financing, delivery, operation and end-of-life. We support clients on corporate transactions and complex commercial arrangements such as power purchase agreements, optimisation and tolling agreements, and energy trading documentation, helping clients navigate both the operational and transactional sides of the energy transition.

A major strength of the firm is our international Nuclear Practice. We act for nuclear operators, nuclear new build developers and technology providers, operators of sites in decommissioning, and support clients across the nuclear supply chain on a wide range of nuclear projects, including acting for the vendor on the contract suite for the first SMR development in the West currently under construction.

We also have deep capability in nuclear finance, advising ECAs, developers, investors and lenders on financing structures, including RAB, CfD and ECA-backed arrangements. Our practice groups in IP, Construction, Energy, Natural Resources, Planning, Environment and Projects provide complementary skill sets that support clients across global markets.

We regularly advise on nuclear liability and international conventions, helping clients understand and manage risk effectively and protect their business.

With teams in London, across the UK and internationally, clients can be confident that whatever the deal, dispute or project, our lawyers are ideally placed to advise.



BUTTING

Key Contact:

Joerg Pollmann

Sales Director, Customised Components

joerg.pollmann@butting.de

+49 (0)5834 50 486

Visit:

 [butting.com](https://www.butting.com)

 [butting-group](https://www.linkedin.com/company/butting-group)

BUTTING is one of the leading processors of stainless steels. Our core competences lie in forming, welding, machining and materials technology.

With technically sophisticated products, we fulfil the highest quality standards and have thus developed from a German craft business into an internationally active company. We are there for you — worldwide!

Exportable Expertise:

Our production is certified in accordance with internationally relevant nuclear standards, including:

- ISO 19443 (Quality management systems — specific requirements for suppliers to the nuclear power industry)
- NQA-1 (based on) (Nuclear Quality Assurance Standard — ANSI/ASME)
- RCC-M / RCC-MX (AFCEN standard for nuclear equipment — France)
- EN 13445 (Pressure vessels — European standard)
- EN ISO / IEC 17025 (Accredited laboratory)
- KTA 1401 (Quality assurance for nuclear facilities — Germany)

Company Experience:

Solutions for nuclear technology

BUTTING supplies customised components and solutions for use in nuclear technology with the highest precision and reliability:

- New-build of nuclear power plants — e.g. piping, vessels and complex components in accordance with international nuclear standards
- Fuel cycle - e.g. containers for the transport and interim and final storage of high-, medium- and low-level radioactive waste
 - Fuel storage racks for spent fuel pool
 - Baskets for transportation of used nuclear spent fuel
 - Casks for dry storage of nuclear spend fuel
 - Container for final disposal and decommissioning

BUTTING has extensive project experience and worldwide references — in all leading nuclear markets, from Europe to Asia and North/South America.

Your proven one-stop shop

With extensive engineering expertise, BUTTING supports customers throughout the entire project lifecycle and delivers solutions that meet the highest standards of quality and reliability.

As a one-stop shop for the nuclear industry, BUTTING provides integrated end-to-end services, including engineering support, build-to-print manufacturing, assembly, testing, and comprehensive documentation.

By keeping key activities in-house, BUTTING minimises interfaces and ensures consistent quality, traceability, and reliable project execution. Even for complex projects and demanding requirements.

Key Contact:**Lucy Harrison**

Director

lucy@theharrisonnetwork.co.uk

+44 (0)1768 800 244

Visit: theharrisonnetwork.co.uk [harrisonnetwork](https://www.linkedin.com/company/harrisonnetwork)

We are organisational coaches who help leaders and teams perform at their best, particularly during periods of significant change. Our work is rooted in real operational contexts: high hazard, highly regulated and politically visible environments where behaviour, communication and alignment directly affect outcomes.

We support organisations across nuclear, civil infrastructure and emergency services to strengthen relationships, improve decision making and build cultures where people can think clearly and act confidently. Our approach is practical, human and evidence based, helping teams navigate complexity, rebuild momentum and deliver the performance their environment demands.

Exportable Expertise:

- Organisational & leadership coaching
- Change leadership & transition support
- Team facilitation & relationship development
- Performance & delivery improvement
- Culture & behavioural change
- Leadership communication & influence
- Collaboration & interface management
- Training, development & consultancy

Company Experience:

We work with organisations where clarity, collaboration and behavioural consistency are essential to safe and effective performance. Our focus is on helping leaders and teams operate well under pressure: strengthening relationships, improving communication, aligning around purpose and accelerating delivery during periods of disruption or organisational change.

Our experience spans nuclear, emergency services, local government and major infrastructure. We have supported leadership teams to reset culture after reorganisation, improve cross functional collaboration, shorten project timescales, and build the behavioural foundations needed for long term performance. Our work at Sellafield, Dounreay, GMCA and Amentum demonstrates our ability to operate in environments where scrutiny is high, expectations are rising and the margin for error is small.

We bring a blend of organisational coaching, behavioural insight and facilitation that helps people work together more effectively. This includes leadership development, team effectiveness, culture change, strategic alignment, relationship development for major projects, and support for high stakes conversations. Our approach is grounded in ISO aligned quality and environmental management (ISO 9001 and ISO 14001) and supported by Cyber Essentials.

The Harrison Network is recognised for helping major projects and nuclear organisations build the relationships and mindsets needed to deliver complex work. We create the conditions in which people can think well, challenge constructively and collaborate with confidence. We equip leaders and teams to navigate uncertainty, maintain momentum and deliver outcomes that matter.



Key Contact:

Jonathan Lee
Regional Direct UK
jonathan.lee@hatch.com
+44 (0)207 906 5100

Visit:

 hatch.com
 [hatch](#)

Hatch is a global multidisciplinary engineering, project delivery, and professional services firm supporting clients across the energy, infrastructure, and mining and metals sectors. We combine advisory, engineering, digital, and project execution capabilities to deliver complex, capital intensive projects across the full asset lifecycle.

With over seven decades of experience, Hatch brings deep nuclear expertise alongside proven major project delivery to support new build, asset life extension, and next generation technologies, enabling safe, efficient, and commercially viable nuclear solutions worldwide.

Exportable Expertise:

- Major nuclear project delivery
- Owner's engineer services
- Nuclear plant system integration
- Power generation systems design
- Balance-of-plant engineering
- Modularisation & advanced work packaging
- Digital engineering
- Radioactive waste treatment solutions
- Regulatory & licensing support
- SMR & AMR deployment support
- Fusion systems & test loops

Company Experience:

Hatch partners with clients to deliver complex nuclear and energy infrastructure projects, from life extension and asset optimisation to first of a kind new builds. With our UK and global delivery experience, we combine early-phase consultancy services with our major project execution expertise to enhance certainty, accelerate schedules, and maximise asset value.

Power Generation

We support utilities and developers in planning, designing, and delivering power generation assets. Our integrated engineering, digital, and project delivery capabilities help improve performance, strengthen resilience, and enable long term operational excellence.

Nuclear New Build

Hatch brings proven approaches from major capital project execution to support nuclear new build. Through modularization, advanced work packaging, and digital project controls, we help improve cost and schedule certainty while enabling repeatable, scalable delivery.

Energy Transition for Industry

We support industrial clients in achieving net zero objectives through practical, implementable solutions. Our teams integrate power, process, and infrastructure expertise to deliver low carbon pathways aligned with commercial and operational priorities.

Research and Technology Development

We support clients in the development and deployment of nuclear technologies, with particular strength in fuel cycle and radioactive waste management systems. Our experience includes spent fuel handling, waste treatment and minimisation, and development of disposal solutions across the nuclear lifecycle. We also apply our expertise in complex process systems to support emerging reactor technologies, bridging the gap between laboratory-scale innovation and engineered, deployable solutions.

Small and Advanced Modular Reactors (SMRs/AMRs)

We support developers, utilities, and industrial users in evaluating and delivering SMRs and AMRs. Our capability includes design and development of nuclear and conventional island systems, structures, and components including the design and development of power generation systems for both conventional and advanced reactor systems. We support the full project life cycle from siting through project delivery leveraging modularization and digital systems for cohesive, deliverable plant designs.

Fusion Power

Hatch supports private fusion developers, national labs, and end users with the deployment of first-of-a-kind facilities and system designs. We bring expertise in complex plant integration, test loop design, balance of plant systems, and molten metal/molten salt system design to our clients in helping to commercialise this new generation source.



Key Contact:

Steve Lawler

UK Director

steve@helixos.co

+44 (0)79476 440 985

Visit:

 helixos.co

 [@helixosco](https://twitter.com/helixosco)

 [helixosco](https://www.linkedin.com/company/helixosco)

We are a cleantech commercialisation consultancy focused on strategy, communications and technical advisory, with a particular focus on nuclear energy and fusion.

We support the journey of technology development and deployment from ideas to impact, and we work globally with technology developers, research organisations, governments, investors and end users.

Exportable Expertise:

- Cleantech commercialisation
- Strategy consulting
- Technical advisory
- Communications support
- Nuclear energy consultancy
- Fusion energy consultancy
- Technology deployment support

Company Experience:

We were founded on Earth Day 2020 and work on projects that are community-minded and globally focused. We support the full journey from concept to deployment, helping clients optimise the relationship between people, technology and nature.

We operate internationally through branches in the United States, Australia and the United Kingdom, and we bring together strategic thinking, technical insight and stakeholder engagement to help organisations move technology from ideas to real-world impact.



Key Contact:

David Orchard

VP Strategy & Business Development

david.orchard@hochtief.de

+44 (0)7484 078 563

Visit:

 [hochtief.com](https://www.hochtief.com)

 [hochtief](https://www.linkedin.com/company/hochtief)

We are an engineering-led global infrastructure group delivering projects across construction, services and infrastructure development. In the UK, we support complex civil engineering and major construction projects with a focus on quality, innovation and sustainability.

Exportable Expertise:

- Civil engineering construction
- Infrastructure delivery
- Project management
- Sustainable construction solutions
- Large-scale project execution
- Design and build delivery

Company Experience:

With 70+ years' experience and knowledge in nuclear, HOCHTIEF has participated in the design, construction / retrofitting of 50+ nuclear power plants (reactors) around the world and has been involved in the decommissioning of 20+ nuclear facilities. As a global engineering and construction specialist we provide leading expertise in Modern Methods of Construction and Design for Modular Assembly techniques.

We have a strong UK presence through HOCHTIEF (UK) Construction Limited, which has operated from Swindon since 1990. Our business covers cross sector, heavy civils and infrastructure construction services, and our wider group works across energy transition (inc. Nuclear), sustainable mobility, critical minerals, natural resources, social infrastructure and large-scale civil engineering. Our recent relevant awards include Sellafield IDP and the Rolls Royce SMR Global Program Delivery Partner.

We combine international expertise with local delivery capability to support technically demanding infrastructure projects.



Key Contact:

Gina Stephens
Programme Manager
g.stephens@holtec.com
+44 (0)7921 240 474

Visit:

holtecbritain.com
[@holtecintl](https://twitter.com/holtecintl)
[holtec-britain](https://www.linkedin.com/company/holtec-britain)

Holtec International is a global energy technology company specialising in nuclear power, spent fuel management, decommissioning, and clean energy solutions. Holtec has supported the UK nuclear market since the 1990s, with Holtec Britain providing a dedicated platform for UK delivery.

Holtec Britain supports project management, design engineering, manufacturing oversight, site services, and is preparing for new build construction and commissioning for its SMR-300 reactor.

Exportable Expertise:

- Small Modular Reactor development & deployment
- Nuclear fuel storage & transport systems
- Nuclear equipment, components, & specialist services
- Nuclear power station support
- Nuclear licensing, regulatory support, & safety case development
- New build construction & commissioning support
- Decommissioning, waste management, & lifecycle solutions
- Engineering design, analysis, & technical consultancy
- Supply chain development, quality assurance, & manufacturing oversight
- Commercial nuclear technology deployment
- UK-based delivery through Holtec Britain, an ISO 9001 accredited organisation

Company Experience:

Holtec has been active in the UK nuclear market for more than 25 years, delivering specialist services, systems, and equipment to nuclear power stations while drawing on its wider international nuclear expertise across the nuclear fuel cycle.

Holtec Britain provides UK-based design, engineering, analysis, safety case, construction, demolition, operations, and maintenance services. Its core expertise includes irradiated fuel management, contaminated waste, waste processing, storage and transport containers, fuel flasks and canisters, and decommissioning.

At Sizewell B, Holtec has played a long-term role in spent fuel management. Holtec supplied spent fuel racks to the station in the 1990s and, from 2010, worked with EDF Energy on the UK's first dry fuel store. The project included Holtec cask technology, cask supply, and on-site services, with the dry store using Holtec's HI-STORM MIC system and multi-purpose canisters for the safe long-term storage of irradiated fuel.

Holtec Britain is advancing Holtec's UK SMR-300 programme, including the active new nuclear project at Cottam. In March 2026, the SMR-300 successfully completed Step 2 of the UK Generic Design Assessment, with Step 2 statements issued by the Office for Nuclear Regulation, the Environment Agency, and Natural Resources Wales. This milestone confirms substantive regulatory progress for Holtec's 320 MWe pressurised water reactor design and provides a strong platform for UK deployment, combining proven nuclear delivery experience, advanced reactor technology, and long-term UK industrial capability.



Key Contact:

Paul Cox

Sales & Marketing Manager

pcox@hydegroupp.com

+44 (0)7771 946 932

Visit:

 hydegroupp.com

 [hydegroupp](https://www.linkedin.com/company/hydegroupp)

Hyde Group Limited delivers engineering and manufacturing solutions, supporting new-build, operational and decommissioning projects within the civil nuclear, defence nuclear and associated high-energy science industries. It provides manufactured equipment and tooling, including bogie and transfer systems, shield doors, gamma gates, lifting equipment, waste packages and containment systems. It offers integrated capabilities in machining, fabrication, assembly, inspection and testing, with facilities supporting Factory Acceptance Testing and development programmes. Experienced in radiological environments, it delivers high-integrity components to stringent quality standards, including QC1, 2 and 3 requirements, supporting projects through NEC contracts and CEMAR systems, ensuring safety, reliability and full lifecycle delivery.

Exportable Expertise:

- ISO 9001
- AS9100
- ISO 14001
- ISO 45001
- BS EN 1090 EXC 4
- BS 3834-2
- DIN 2303
- Engineering support
- Build-to-print
- Full design & build services
- Equipment and tooling
- Mechanical handling
- Containment systems & shielding
- Packages & containers
- Structures & systems
- Handling equipment — structures
- Bogie systems & trolleys
- Shield doors & walls
- Manufacturing & precision fabrication.
- Assembly & test
- Installation support
- High-value component production
- JOSCAR / JOSCAR Zero
- UN Global Compact
- 600 engineers and technicians
- 22,000 manufacturing hours per week
- 75,000 m2 of manufacturing floor space
- Maximum lift capability of 80 tonnes
- 20 strategically-driven facilities in NW England
- Experience in manufacturing in traditional and exotic materials

Company Experience:

For more than 30 years, Hyde Group has supported the nuclear sector with trusted engineering and manufacturing solutions, covering new build, operations and decommissioning. Our expertise ensures full compliance with strict safety and quality standards. We provide end to end capability, including specification, procurement, manufacture, inspection, assembly, testing, installation and commissioning. We deliver complex systems such as transfer equipment, shield doors, gamma gates, lifting solutions, waste containers and glovebox containment systems, across all programmes, consistently achieving precision, reliability and performance.

High-precision machining capability:

- Over 60 5-axis machining centres up to 12m x 4m x 2.5m m/c envelope
- Over 50 3-axis machine tools
- 7-axis machining capability
- CNC turning capability to 1.6m diameter, including multi-axis mill turn machine tools
- Micro tolerance for components >10m

Fabrication capability:

- Comprehensive fabrication and welding facilities including third-party independent NDT inspection and in-house inspection
- Fabrication capability in traditional and exotic materials
- Fully equipped fabrication facilities, including CNC routing, multi-axis press brakes and rubber presses.
- 50 tonnes thread rolling machine

Assembly capability:

- Operating to the latest lean assemblies methodologies
- Dedicated assembly facilities with segregated working areas and temperature-controlled environments
- Two assembly clean rooms to class 10,000 and one to class 100,000

Inspection and testing capability

- 20 laser trackers
- 20 co-ordinating measuring machines (largest CMM envelope 5m x 2m x 2m)
- Faro inspection arms
- Temperature controlled inspection departments
- Taco 24/7 recorded facility control
- Dedicated heat and surface treatment facilities
- Dedicated equipment/integration testing facility
- R&D facilities
- Test rigs and prototyping facilities
- Jigs, fixtures
- On-site CAD/CAM capability
- Electrical build and test
- In-house CE marking capability
- Calibrated machine tools and calibrated inspection facility



Key Contact:

Steve Shanahan

Director

steve.shanahan@initivo.co.uk

+44 (0)01525 859 050

Visit:

 initivo.co.uk

 [initivo-consultancy-limited](https://www.linkedin.com/company/initivo-consultancy-limited)

We are a UKAS-accredited testing laboratory and specialist consultancy providing testing, engineering and advisory services across the construction and infrastructure lifecycle. Our work is rooted in practical, real-world problem solving, and we support clients with technical insight, research and multi-disciplinary expertise.

We were formed in the 1950's as part of Taylor Woodrow who built the world's first commercial nuclear reactor at Calder Hall (now Sellafield). Originally our remit was research, design and testing of materials, specifically concretes, for the fledgling nuclear power programme.

Exportable Expertise:

- UKAS-accredited laboratory testing
- Specialist engineering support
- Consultancy services
- Decommissioning support
- Drop testing of flasks for nuclear waste
- Non-destructive testing
- Non-intrusive surveying & inspection
- Concrete mix design & production trials

Company Experience:

We have been involved with the nuclear industry from the beginning, helping to develop the first generation of UK nuclear power stations. Today, we provide engineering support for AGR pressure vessels, testing for Hinkley Point C and specialist services including drop testing, full-scale mock-up testing, structural surveys, corrosion inspection and concrete development trials. Our strength lies in bringing together laboratory capability, engineering insight and consultancy to deliver practical solutions for complex assets.

We were formed in the 1950's as part of Taylor Woodrow who built the world's first commercial nuclear reactor at Calder Hall (now Sellafield). Originally our remit was research, design and testing of materials; specifically, concretes, for the fledgling nuclear power programme.

Taylor Woodrow were acquired in 2008 by VINCI Construction UK Limited who are part of VINCI S/A the world's leading construction and concessions company with a turnover of €74b.



Key Contact:

Michael McLoughlin

Director of Business
Development & Sales UK

michael.mcloughlin@isec.se

+44 (0)7860 253 372

Visit:

 isec.se

 [isec-monitoring-systems](https://www.linkedin.com/company/isec-monitoring-systems)

ISEC Monitoring Systems (ISEC) are a Swedish SME company that design, manufacture and supply a range of radiation-tolerant cameras and CCTV camera systems to the global nuclear market for nuclear monitoring and inspection purposes.

Exportable Expertise:

- A range of radiation-tolerant cameras (RADCAM® & VISATEC brands) for both 'in-air' & 'underwater' applications
- Bespoke radiation-tolerant CCTV camera systems for nuclear facilities
- A range of VISATEC retrieval tools (grippers, pipe crawlers, suction devices)
- A range of VISATEC radiation-tolerant lighting for 'underwater' applications

Company Experience:

ISEC originally developed its nuclear monitoring systems in collaboration with nuclear power plants in Sweden and France, and these products are now used internationally. The RADCAM® and VISATEC VT systems support plant safety, ALARA performance and production efficiency by delivering reliable visual data in high-radiation environments. ISEC maintain a strong focus on research and development with an ongoing product development function to adopt and integrate the latest technological advances into the product range. We treat each customer individually to ensure that our monitoring systems are adapted to the specific needs of each facility.

The **RADCAM®** range of radiation-tolerant cameras (monitoring from the low environmental level of radiation to high levels of radiation);

- Individual radiation-tolerant cameras.
- Distributed radiation-tolerant camera systems (CCTV).

The **VISATEC** range of radiation-resistant inspection cameras and retrieval tools;

- Radiation-resistant cameras for 'in-air' and 'underwater' applications.
- Retrieval tools (pipe-crawlers, grippers and UW suction devices).
- Lighting for 'underwater' nuclear environments.

In the UK, ISEC continue to provide our systems and technical support to leading nuclear client across the UK nuclear market including Sellafield Ltd, EdF at Hinkley Points A & C and Torness, NRS at Dounreay and Rutherford Appleton Laboratories.

ISEC also support the worldwide nuclear market and are actively supporting international clients and nuclear operators across Europe, Asia and the Americas.



Key Contact:

Michael Emery

Director — Growth & Sales

michael.emery@jacobs.com

+44 (0)7818 422 855

Visit:

 [jacobs.com](https://www.jacobs.com)

 [@JacobsConnects](https://twitter.com/JacobsConnects)

 [jacobs](https://www.linkedin.com/company/jacobs)

At Jacobs, we're challenging today to reinvent tomorrow – delivering outcomes and solutions for the world's most complex challenges. With over £9 billion in annual revenue and a team of almost 47,000, we provide end-to-end services in advanced manufacturing, cities and places, energy, environmental, life sciences, transportation and water. From advisory and consulting, feasibility, planning, design, programme and lifecycle management, we're creating a more connected and sustainable world.

We are active in over 40 countries with the following personnel operating across our footprint: Europe circa 14,000 staff; Americas circa 22,000 staff; Middle East circa 2,500 staff; Asia Pacific circa 9,000 staff.

Exportable Expertise:

- Strategy, Advisory & Economics
- Planning, Consenting & Concept Design
- Programme & Organisational Development
- Design, Engineering & Construction Services
- Complex Project Delivery
- Asset Management

Company Experience:

We are experienced in supporting nuclear programmes across the full lifecycle, including new builds and advanced reactors, decommissioning and waste management. Working for both public and private sector clients, we integrate engineering, regulatory insight and plant systems to deliver safe, secure and resilient nuclear infrastructure that powers industries, strengthens energy independence and supports progression towards long-term climate goals.

Full Lifecycle Delivery

Supporting nuclear assets from early strategy and investment through siting, licensing, design, construction, operations, decommissioning and waste disposal — ensuring continuity, safety and performance at every stage.

Reactor Systems and Advanced Nuclear

Facilitating deployment of large-scale nuclear plants, small modular reactors (SMRs) and advanced modular reactors (AMRs), evaluating technologies, integrating systems and unlocking new applications, such as hydrogen production and industrial energy.

Infrastructure and Auxiliary Plant Systems

Designing civil, structural and mechanical infrastructure that underpins nuclear facilities — including cooling systems, utilities, grid connections and site development.

Safety, Licensing and Regulatory Leadership

Guiding projects through complex regulatory environments with extensive experience in safety cases, environmental assessments and licensing — enabling clients to meet stringent national and international requirements.

Digital and Control Systems Integration

Delivering advanced control, instrumentation and digital solutions that enhance operational visibility and long-term asset performance.

Waste Management and Decommissioning

Managing decommissioning and radioactive waste safely — from site investigation through remediation and long-term disposal solutions, including deep geological repositories.

Nuclear Research

Designing and integrating infrastructure that enables advanced nuclear science, from fusion facilities to research and development centres.



Key Contact:

James Griggs

Director

james@jmgtechnicalservices.co.uk

+44 (0)7976 093 683

Visit:

 jmgtechnicalservices.co.uk

JMG Technical Services Ltd provide Technical Authoring and Engineering Support expertise across the Nuclear Industry supply chain

Specialist areas include manufacturing, new build, process development, governance, decommissioning and design, with focus on the production and maintenance of technical documentation.

JMG also provides Digital & Data Services, including data engineering, data analysis, geospatial analysis, bespoke software development, cloud infrastructure and process automation.

Exportable Expertise:

- Technical documentation production & maintenance
- Engineering-related scientific consulting
- Technical consulting
- Governance support
- Specialist advisory services
- Scientific support services
- Data Engineering
- Data Analysis
- Cloud Infrastructure
- Software Development

Company Experience:

JMG Technical Services LTD have been providing Technical Authoring and Engineering Support services since 2007 across a wide range of technical environments, including broad and in depth involvement in the lifecycle of NNPI and Civil Nuclear facilities.

Areas of experience include the production of operator manuals, test specifications and written instructions, decommissioning, EC&I development, radiochemistry, and Radiation Protection.

JMG Technical Services LTD also provides Digital & Data Services, including data engineering, data analysis, geospatial analysis, bespoke software development, cloud infrastructure and process automation. Our digital capability complements existing engineering support services, delivering practical solutions to complex technical challenges across the supply chain.

JMG Technical Services LTD collaborates with the end customer and intermediaries to provide logic driven processes, documentation and engineering support to niche technical challenges within highly controlled technical environments.



Key Contact:

John Ruddleston

Director

john@ki-consultancy.com

+44 (0)7891 659 274

Visit:

 ki-consultancy.co.uk

 [@KiConsultancy](https://twitter.com/KiConsultancy)

 [ki-consultancy-ltd](https://www.linkedin.com/company/ki-consultancy-ltd)

We are a management consultancy business based in North Devon, established in 2023. We provide consultancy support to clients needing practical management and advisory input, with a business model centred on flexible consultancy services.

Exportable Expertise:

- Management consultancy services
- Business advisory support
- Operational improvement support
- Project & change consultancy

Company Experience:

Ki Consultancy Ltd is an international consultancy dedicated to empowering organisations within the nuclear sector, encompassing both fission and fusion industries. With extensive expertise and a comprehensive understanding of the sector's unique challenges and opportunities, we deliver tailored solutions that enable our clients to navigate the complexities of nuclear energy with confidence.

Our wide-ranging services are designed to facilitate successful market entry and sustainable growth in the nuclear and fusion markets. These include strategic advisory, in-depth market research, operational support, business development, supply chain development, global sourcing, and technology transfer, among others. We provide organizations with the essential tools and insights needed to establish a strong presence and thrive in this highly specialised and rapidly evolving industry.



Key Contact:

Craig Small

Managing Director - Nuclear & Energy

craig.small@kier.co.uk

+44 (0)7875 511 084

Visit:

 kier.co.uk

 [kier-infrastructure](https://kier-infrastructure.com)

Kier Nuclear & Energy is part of the Natural Resources business within Kier Infrastructure. We provide nuclear and energy solutions for key infrastructure, security and clean power.

We deliver complex infrastructure across the UK's energy and defence nuclear sectors. Our work spans nuclear new build projects, advanced modular and fusion technologies, and secure facilities for the UK's defence capability. We also enable the safe management and decommissioning of nuclear materials. With proven expertise across all markets, we are helping to shape a cleaner, safer and more resilient nuclear future.

Exportable Expertise:

- Nuclear specific engineering & technical expertise, delivering complex infrastructure projects across the UK
- Complex stakeholder management expertise & experience, from design to commissioning
- Skilled experience & capabilities in high-security & high-integrity construction for defence & energy clients
- Integrated, multidisciplinary teams delivering efficient & collaborative solutions
- A highly specialised nuclear specific safety & quality culture, engrained across our workforce
- Commitment to social & environmental sustainability, including long-term resilience, on every project
- Experts in complex nuclear compliant infrastructure for materials processing, storage & decommissioning
- Our 360 approach means we have the full breadth of capability across the Kier Group, ensuring best-in-class outcomes for our clients & their assets
- Skilled in supporting the next generation of nuclear technologies, including advanced modular & fusion systems
- In house digital experts to optimise project design, delivery & operation. Advanced digital construction & digital twin expertise
- Strong record of delivering nuclear projects for government & industry partners
- Supported by a robust & highly specialised supply chain

Company Experience:

Kier Nuclear & Energy, design, build and maintain facilities and infrastructure that meet today's energy and safety requirements while supporting future nuclear technologies.

Nuclear Energy

Kier has been a trusted delivery partner at Hinkley Point C since 2012 through the KierBAM Joint Venture (KBJV). Initially appointed to undertake major earthworks, our role has expanded to include roads and networks, ancillary buildings, a fish return system and civil security fencing. At Sizewell C, Kier has been appointed to deliver the North Plaza, a 15-hectare gateway development comprising bus interchanges, a deliveries hub and more recently the Sizewell Link Road, a vital access route to the development site, both awarded as part of the project's Major Civils Framework.

The Energy Race

Kier is supporting the UK's future energy ambitions through the STEP Fusion Programme. ILIOS, a consortium led by a Kier-Nuvia joint venture with AECOM, AL_A and Turner & Townsend, has been appointed to deliver the first three-year, £200m phase of the programme. The consortium is responsible for the design and construction of buildings, infrastructure and site facilities supporting the development of a prototype fusion power plant, with future opportunities valued at up to £10bn.

Submarine Value Chain

Through KBJV, Kier works within Babcock's Integrated Major Infrastructure Projects team at Devonport Royal Dockyard. Operating on a licensed nuclear site, we help deliver critical infrastructure that supports the maintenance and operational readiness of the Royal Navy's Astute Class nuclear-powered submarine fleet.

Nuclear Materials Lifecycle Management

At Sellafield, Kier has recently completed the Residue Store Retreatment Plant (SRP) Process Building and Services Building. The SRP is one of the site's most complex nuclear infrastructure projects and will play a key role in supporting the safe management of the UK's nuclear materials inventory.



Key Contact:

Laura Valantikonyte

Business Development Manager

laura.valantikonyte@kinectrics.com

+1 437 779 0189

Visit:

 kinectrics.com

 [@kinectrics](https://twitter.com/kinectrics)

 [kinectrics](https://www.linkedin.com/company/kinectrics)

Kinectrics UK Limited provides specialist engineering consultancy in structural integrity, design, analysis and assessment for the nuclear, fusion, defence and infrastructure sectors. Based in Altrincham and backed by the global Kinectrics group, we help clients protect critical assets, reduce technical risk and make confident decisions. We also provide regulatory support and owner's engineer services for Small Modular Reactor and next-generation nuclear projects.

Exportable Expertise:

- ISO 9001
- ISO 45001
- Plant layout & pipework design & analysis
- Structural design/stress analysis
- Fracture mechanics
- Peer review
- Seismic, blast, impact & dynamic analysis
- Finite element analysis (FEA)
- Finite element modelling
- Thermal analysis
- Design code compliance assessment
- Surveys of plant, facilities & services
- Radiation assessment
- Risk assessment
- Safety cases
- Corrosion
- Computational Fluid Dynamics (CFD)
- Creep-fatigue growth & creep-rupture assessment
- Fatigue
- High temperature assessments using R5 code
- Conceptual & detailed design
- Lifecycle management
- Expert advice

Company Experience:

Kinectrics UK Limited delivers specialist engineering consultancy for organisations that need clear, dependable solutions to complex structural integrity challenges. Combining deep technical expertise in design, analysis and assessment with a practical, client-focused approach, we help customers protect critical assets, reduce risk and make confident decisions across the nuclear, fusion, defence and wider infrastructure sectors.

For more than 30 years, we have supported the UK nuclear power fleet with structural integrity services spanning the full asset lifecycle, from site inspections and independent assessments to detailed design, stress analysis, seismic analysis and plant life extension support. Our work helps clients understand the condition of critical components, identify potential vulnerabilities and implement evidence-based solutions that enhance safety, reliability and operational performance.

Our strength lies in translating complex engineering analysis into clear, actionable insight. Whether assessing a reactor component, defence structure, tooling system or bespoke engineering challenge, we provide tailored recommendations that support regulatory confidence, remedial planning and long-term asset management. Where required, our UK team can also draw on the wider Kinectrics group, including specialist laboratory capabilities in Canada, to provide integrated technical or laboratories support.

This experience is directly relevant to the next generation of nuclear technologies, including Small Modular Reactors. With almost 40 years of broader nuclear sector experience, we understand the standards, systems, operational requirements and regulatory expectations that shape successful nuclear projects. We have engaged directly with nuclear regulators on behalf of clients and contributed to structural integrity assessments of primary components for all reactor designs that have achieved the UK Design Acceptance Certificate in the last decade.



Key Contact:

Bernadette Maloney
Sales Consultant
bmaloney@krantzuk.com
+44 (0)7595 070 966

Visit:

 krantzuk.com
 [@KrantzUK](https://twitter.com/KrantzUK)
 [krantz-gmbh](https://krantz-gmbh.com)

Krantz provides specialist technical expertise, engineering support and bespoke ventilation, filtration and containment solutions for the nuclear sector. Drawing on extensive experience across the wider Krantz Group, we deliver end-to-end project solutions from concept development and detailed design through manufacturing. Our capabilities include HEPA and activated carbon filtration systems, gas-tight dampers, pressure relief and surge protection systems, containerised ventilation systems, together with customised engineered components for safety-critical applications. Working in accordance with national and international nuclear codes, standards and requirements, we deliver solutions for nuclear new build, SMRs, containment facilities and decommissioning programmes.

Exportable Expertise:

- Air distribution systems
- Cooling & heating systems
- Exhaust gas filtration
- Damper systems
- Clean air solutions
- HVAC systems for high-security environments

Company Experience:

For more than 70 Years Krantz is a reliable partner for the nuclear sector from New build, to waste treatment, decommissioning, and waste storage we offer solutions for the whole nuclear lifecycle.

Krantz experience includes multiple applications and case studies of the Krantz re-cleanable filter system for decommissioning projects. These include laser cutting and paint ablation applications at Sellafield. Further validation was undertaken through graphite filtration trials (for Pile 1, Sellafield). The re-cleanable filtration system (RHF) can be used for projects using wire cutting, plasma arc cutting, concrete scrabbling, sand blasting, water jet blasting and is qualified to handle Asbestos and PCB containing campaigns.

Krantz can design, manufacture and deliver containerised ventilation plants as flexible, modular alternatives to legacy systems. These externally installed, energy-efficient solutions can be designed for variable air volumes, reused across sites, and commissioned with minimal disruption to ongoing operations. Case studies include replacement ventilation systems at KTE Karlsruhe, the MCI Waste Transfer Area at Dungeness Site A, and a high-capacity (28,000 l/s) exhaust air system at NPP Greifswald, incorporating HEPA filtration, stack monitoring, and full EC&I.

In addition, Krantz supply customised drying units specifically designed for nuclear decommissioning. The Krantz drying unit enables the safe and controlled dehydration of dripping-wet and dismantled components removed from underwater cutting projects, preparing them for intermediate or final storage while minimising contamination and corrosion risks.

Further capabilities include carbon filtration systems for hazardous gas removal and non-standard engineered components, such as sample containers for the safe transport of radioactive materials.



Key Contact:

Marc Healey

Sales Manager

marchealey@lestercast.co.uk

+44 (0)1162 767 284

Visit:

 lestercast.co.uk

 [lestercast-ltd](https://www.linkedin.com/company/lestercast-ltd)

Lestercast is a UK investment casting specialist supplying high-integrity precision castings to the nuclear industry and other critical sectors worldwide. With over 50 years of foundry expertise and advanced in-house rapid prototyping, we help customers reduce lead times, costs and development risk.

We manufacture complex components in a wide range of ferrous, non-ferrous and high-temperature alloys, supported by comprehensive inspection, machining, heat treatment and finishing services. Accredited to ISO 9001:2015, IATF 16949, JOSCAR and Cyber Essentials standards, Lestercast delivers reliable, quality-assured castings for demanding applications.

Exportable Expertise:

- Investment casting
- Precision component manufacture
- Machining
- Heat treatment
- Surface finishing
- Testing services
- Toolmaking
- Part marking
- Rapid Prototyping
- 3D printed wax pattern production

Company Experience:

Lestercast combines decades of manufacturing expertise with continual investment in advanced engineering technologies to support the evolving requirements of the nuclear sector. Our dedicated rapid prototyping department enables the 3D printing of highly accurate wax patterns directly from CAD data, eliminating the need for traditional hard tooling. As a result, our customers benefit from reduced lead times and development costs.

We have invested heavily in industry-leading casting simulation software, enabling our engineers to predict metal flow, solidification characteristics and potential defects before production begins. This data-driven approach helps optimise component design, improve manufacturing efficiency and increase first-time success rates, reducing both risk and project timescales.

Lestercast produce castings in a wide range of materials (in over 50 grades), including the following, enabling us to meet diverse application and performance requirements.

- Steel
- Stainless steel
- Aluminium
- Brass
- Bronze
- Zinc
- High-temperature nickel and cobalt-based alloys

Beyond casting manufacture, we offer a fully integrated service including engineering support, dimensional and material verification, machining, heat treatment and specialist finishing processes including part marking. We also provide secure on-site stock holding facilities free of charge, allowing customers to call off parts as required, reduce inventory costs, minimise administration and shipping expenses, and improve supply chain flexibility without additional storage expense.

Combined with our highly responsive customer support and commitment to continuous improvement, this enables us to provide a dependable supply solution for projects where quality, consistency and delivery performance are paramount.

Linklaters

Key Contact:

Maryam Adamji

Partner

maryam.adamji@linklaters.com

+44 (0)207 456 4995

Visit:

 linklaters.com

 [@LinklatersLLP](https://twitter.com/LinklatersLLP)

 [linklaters](https://www.linkedin.com/company/linklaters)

Linklaters is a leading global law firm with 30 offices based in 20 countries. We have a stellar track record of advising the world's most prominent financial institutions, companies and governments on their most challenging transactions.

We have one of the most established and sophisticated energy practices in the market, and the firm is consistently ranked in the top tier by independent legal directories, including Chambers UK and The Legal 500 UK. Clients value our ability to combine local insight with a global perspective. Over the past 40 years, we have advised on some of the most complex and first-of-a-kind energy and infrastructure projects worldwide.

Exportable Expertise:

- Corporate structuring
- Regulatory advice
- Sanctions/investigations (incl. investor screening, export controls)
- Licensing & certification support
- Project finance & development
- Fuel supply
- Construction
- Arbitration
- Litigation
- Operating & maintenance contracts
- Mergers & acquisitions
- Decommissioning

Company Experience:

Linklaters offers market leading expertise across all the legal issues which shape the international nuclear industry.

Our global nuclear practice covers every aspect of the nuclear fuel cycle, from the mining of uranium and fuel supply, through corporate structuring, regulation, licences, construction, operating and maintenance contracts, financing and development of sites, and decommissioning of obsolete plant and treatment of spent fuel. We are also experienced in advising on disputes arising at each stage of the lifecycle.

We have a reputation for advising on some of the most strategic, complex deals across the globe and have reviewed the documentation from all angles. Our cross-practice approach ensures transactional, regulatory and risk considerations are addressed in a joined-up way from the outset. We provide full-service legal solutions for nuclear assets to governments, corporates (including operators), lenders, investors and regulatory bodies.

Over the last eight years, our firm has played a lead advisory role for the UK Government on all aspects of the £47bn Sizewell C nuclear new build project, building on our experience advising on Hinkley Point C, Moorside and Wylfa, as well as our broader work across the nuclear sector, including small modular reactors (SMRs).

Our market-leading nuclear expertise means we understand the potential issues and risks involved in nuclear projects (both large scale and SMRs), and how to structure them. Drawing on insight from contentious matters, we help anticipate areas of potential challenge and reflect these in project design, documentation and risk allocation. Our experience of working on nuclear projects for a diverse range of stakeholders has allowed us to gain valuable insight into what is required to successfully finance, construct and operate a facility within the regulatory and commercial framework of the nuclear industry. Where issues do arise, we support clients through their resolution, including in complex, multi-jurisdictional settings.



Key Contact:

Simon Emeny

Director — Specialist Markets

simon.emeny@lrqa.com

+44 (0)7793 307 955

Visit:

 lrqa.com

 [@lrqa](https://twitter.com/lrqa)

 [lrqa](https://www.linkedin.com/company/lrqa)

LRQA is a leading global assurance provider, operating in over 120 countries, bringing unrivalled expertise in certification, brand assurance, cybersecurity, inspection and training.

We support the nuclear, energy and wider industrial sectors. We provide risk management, supply chain inspection, certification and technical assurance across the full lifecycle of nuclear assets.

Exportable Expertise:

- Nuclear supply chain support & assessment
- Independent third-party inspection
- Certification services
- Technical assurance
- Risk management
- In-service inspection
- Supply chain & vendor training
- Decommissioning assurance

Company Experience:

We have supported the nuclear industry for more than 60 years and were the UK's first ITPIA. Our history includes work on Calder Hall, Sizewell B, Hinkley Point C and Wylfa Newydd, as well as certification of Magnox, AGR, PWR and FBR reactors. Today we provide assurance across planning, manufacturing, installation, operations and decommissioning, and we support clients in more than 80 countries with inspection and certification services.

Strategic vision

Our technical know-how, sector expertise and innovative, forward-thinking approach will help you meet the challenges of today — and become a safer, more secure, and sustainable organisation tomorrow.

Technical expertise

Our people are sector experts. They bring with them a clear understanding of your specific challenges, standards and requirements — then deploy deep knowledge of certification, brand assurance, food safety, cybersecurity, inspection and training to help you meet them.

Global capability

Operating in more than 120 countries, recognised by over 30 accreditation bodies worldwide, and covering almost every sector, we can help you manage risk, drive improvement and build credibility with stakeholders around the globe.

Effective partnership

Every business is unique. That's why our experts work with you, to fully understand your needs and goals, and work out how we can best support them.

Fresh perspective

We have led the way in shaping our industry and continue to take every opportunity to collaborate with clients and pioneer new ideas, services and innovation.



Key Contact:

Martin Lawrence

Business Development Manager

martin.lawrence@lti-metaltech.com

+44 (0)7502 571 839

Visit:

 lti-metaltech.com

 [ltimetaltch](https://www.linkedin.com/company/ltimetaltch)

LTi Metaltech is a UK-based precision engineering and manufacturing company specialising in high-integrity pressure vessels, fabrication, and welding solutions for regulated industries including healthcare, nuclear and renewable energy. Part of the LTi Metalltechnik Group, the company combines over 40 years of expertise with advanced manufacturing technologies to deliver compliant, high-quality engineered products. LTi Metaltech supports customers worldwide with a strong commitment to safety, innovation, reliability, and continuous improvement.

Exportable Expertise:

- High-integrity pressure vessel manufacture & pressure systems
- Cryogenic & vacuum technology solutions
- Precision fabrication & welded structures
- Specialist welding & joining technologies
- Robotic & semi-automated manufacturing
- Healthcare & MRI system vessels and assemblies
- Stainless steel & specialist alloy fabrication
- Prototype to production manufacturing
- Custom-engineered solutions for regulated industries
- Destructive & non-destructive testing (NDT)
- Helium leak testing & high-vacuum testing
- Hydrostatic pressure testing
- Visual weld examination & inspection
- Dimensional evaluation & functional testing
- Quality assurance, validation, & regulatory compliance services
- Project management & supply chain integration

Company Experience:

LTi Metaltech delivers high-integrity engineered solutions to customers operating in highly regulated and technically demanding sectors.

As a Tier 1 supplier to Siemens Healthineers, LTi Metaltech has manufactured and supplied more than 45,000 cryostats (pressure and vacuum vessels) across four generations of MRI systems and currently produces approximately 4,500 high-integrity vessel sets annually. The company supports life-saving healthcare technologies through the manufacture of mission-critical pressure and containment equipment.

In the nuclear sector, LTi Metaltech was awarded a contract in excess of £45 million by Sellafield Ltd to manufacture products for the Product and Residue Store Retreatment Plant (SRP), supporting the safe long-term management of nuclear materials. The company has also supplied complex fabricated and welded structures for leading UK nuclear fusion and scientific research programmes.

Our expertise extends to the manufacture of pressure systems, vacuum chambers, containment structures, welded assemblies, and bespoke engineered products in stainless steel and specialist alloys. These projects are supported by advanced fabrication, robotic welding, and comprehensive inspection and testing capabilities, including destructive and non-destructive testing, helium leak testing, hydrostatic testing, high-vacuum testing, visual weld examination, dimensional evaluation, and functional testing.

From prototype development through to full-scale serial production, LTi Metaltech provides complete engineering and manufacturing solutions that meet demanding international quality, safety, and compliance requirements.

Key Contact:

Tim Abbott

Business Manager

tim.abbott@uk.lucideon.com

+44 (0)7800 570 372

Visit:

 lucideon.com/uk

 [lucideongroup](https://www.linkedin.com/company/lucideongroup)

Lucideon is a materials science consultancy, solving challenges through materials development, process optimisation, and characterisation.

Applying cross-industry insight, materials science expertise, and innovative thinking allows industry to develop and implement disruptive technology platforms, providing cost and/or product performance benefits and enabling market differentiation. It utilises its many years of experience in development, analysis, and assurance to provide technical consultancy to enable, enhance, and accelerate R&D activities.

Exportable Expertise:

- Materials science consultancy
- Materials development
- Process optimisation
- Characterisation & testing
- Formulation development
- Packaging development
- Product optimisation
- Commercialisation support

Company Experience:

Lucideon has world-leading testing laboratories, pilot and feasibility plant and equipment, and a management and certification division.

Lucideon has offices and laboratories in North and South Carolina, New York State, Staffordshire and Cambridge

Lucideon works across the TRL, from supporting development, scale up and commercialisation of materials and process technologies, to material validation and failure analysis for commercially available materials. Lucideon has a strong heritage in advanced ceramics and has a vast amount of experience across industries such as Aerospace, Nuclear, Energy, Healthcare and Defence.

Stone: Our materials testing, analysis and evaluation capabilities range from chemical and physical to high temperature and surface analysis. Other capabilities based at this facility include MIDAR® development, IMPACTTM, and iCRTM.

Our Stone site hosts The AMRICC Centre, the SIPF-funded advanced ceramics Centre of Excellence. This unique pilot-scale facility uses a suite of equipment within each processing step to either enhance material end-product performance or optimize for efficiency within the process, ensuring manufacturing scalability.

With expertise in areas such as ultra-high temperature ceramics (UHTCs), Flash Sintering, ceramic additive manufacturing, and ceramic matrix composites (CMCs), we work between TRL 1 and 6 (with a view to 9), leading the way in commercialisation of novel materials and ceramic technologies.

Stoke-on-Trent: This has the largest commercial structural testing laboratory in the world. The 300 anchorage strong-floor is custom designed and built to withstand 100 tonnes per anchor. Our Structures team can measure, bend, heat, freeze, stretch, and squeeze construction materials, components, systems, and structures.

New York State: Schenectady is home to a full-scale chemistry laboratory, a precision machine shop which specialises in the machining of the most advanced and challenging materials samples and components, and the largest and most sophisticated high temperature water corrosion facility in the world.

Greenville: This houses our largest site by area in the US. Our mechanical capabilities range from cryogenic at liquid nitrogen temperature, to high temperatures of 3000F / 1650C, situated at a facility that can provide custom and complex testing programmes for novel materials.



Key Contact:

Dave Gorringe

Growth & Development Director

dave.gorringe@m5tec.com

+44 (0)7970 070 856

Visit:

 [m5tec.com](https://www.m5tec.com)

 [@m5tec_ltd](https://twitter.com/m5tec_ltd)

 [m5tec-limited](https://www.linkedin.com/company/m5tec-limited)

M5tec is a multidisciplinary engineering consultancy delivering innovative solutions across highly regulated sectors including nuclear, fusion and big science. We provide end-to-end engineering support from concept development and feasibility studies through to detailed design, design for manufacture, manufacture, testing, commissioning and operational support. Our expertise spans mechanical, electrical, control and digital engineering, with strengths in remote handling, robotic systems, mechanical handling, bespoke equipment design, prototyping and testing. By combining technical excellence, safety-focused delivery and practical operational experience, M5tec helps clients overcome complex challenges while meeting the highest standards of quality, compliance and performance.

Exportable Expertise:

- Mechanical, EC&I, process, systems and digital engineering
- Remote Handling & Robotics
- Mechanical Handling Solutions
- Testing, Prototyping & Validation
- Inspection & Maintenance Technologies
- Robotic System Integration
- Vacuum & Cryogenic Systems
- Technology Assessment & Innovation
- Embedded Engineering Resources
- Turnkey services

Company Experience:

M5tec is a multidisciplinary engineering consultancy delivering innovative solutions to highly regulated and safety-critical industries, including nuclear, fusion, big science, defence, oil & gas, and advanced manufacturing. We provide end-to-end engineering support, from feasibility studies and concept development through detailed design, manufacture, testing, commissioning, and operational support. Core capabilities include mechanical, EC&I, process and systems engineering, remote handling, robotics, mechanical handling, inspection technologies, and turnkey project delivery.

M5tec has extensive experience supporting major nuclear and fusion programmes, including UKAEA, STEP, JET, ITER, Sellafield, Magnox, and Dounreay. We have developed remote handling systems, robotic tooling, and automated maintenance solutions for hazardous and inaccessible environments, helping clients improve safety, operability, and maintainability.

Project Examples

Fusion Remote Fastening Demonstrator: Embedded engineering support for the development and demonstration of force-torque controlled remote handling systems, including technology assessment, specification development, supplier engagement, testing, and deployment support.

Inspection Technology Assessment: Conducted a comprehensive assessment of non-destructive examination (NDE) technologies for fusion and nuclear applications, including remote deployment feasibility, robotics integration, technology benchmarking, and strategic recommendations.

Remote Handling and Robotics Systems: Design and substantiation of remotely operated machinery, robotic manipulators, and mechanical handling equipment for nuclear decommissioning, fusion maintenance, subsea operations, and hazardous environments.

Robotic Pipe Reduction and Handling Trials: Development, testing, and demonstration of robotic systems for remote decommissioning activities, proving safe and efficient operation in challenging environments while reducing personnel exposure to hazards.

Nuclear Calcliner Glovebox Design: Delivered the detailed design and engineering drawing package for a Nuclear Calcliner Enclosure and Hopper, supporting the safe conversion of nuclear waste into stable uranium oxide products.

Through the application of engineering excellence, innovation, and practical operational experience, M5tec consistently delivers safe, reliable, and cost-effective solutions for complex technical challenges.



Key Contact:

Rachel O'Donnell

Director for Resilience - Europe

rachel.odonnell@macegroup.com

+44 (0)7753 912 128

Visit:

 maceglobal.com

 mace-group

Mace Consult brings certainty to the world's most impactful infrastructure and capital programmes. For more than 30 years, Mace Consult has set the industry standard for programme and project management, PMO and planning, cost and commercial management, sustainability, advisory services, and digital solutions.

From Olympic Parks, airport expansions, and nuclear power stations, to data centre campuses, transportation systems, energy networks, and urban developments, we help shape infrastructure and places that endure for generations.

Exportable Expertise:

- Programme & project management
- Cost & commercial management
- PMO & planning
- Advisory
- Digital services
- Responsible business
- Health, safety & wellbeing services

Company Experience:

With more than 5,600 professionals across six continents, Mace Consult partners with clients to deliver programmes and projects on time, on budget, and to scope.

We bring certainty to the world's most impactful infrastructure and capital programmes. We manage the integration challenges that define the largest projects — coordinating dozens of organisations, thousands of decisions and billions of pounds across design teams, contractors, regulators and funders — establishing the governance, controls and frameworks that ensure delivery on time, on budget and to scope.

As an independent consultancy, we work alongside programme sponsors, investors and delivery partners to bring clarity where complexity threatens momentum. We provide objective advice, practical leadership and structured assurance, so critical decisions are made with confidence, at the moments that matter most.

We work across the full lifecycle, from early concept and investment decisions through mobilisation, execution and transition to operations. All the while, we support leaders to navigate uncertainty, manage competing priorities and maintain control as programmes scale.

Our services focus on helping clients set programmes up for success and keep them on track as they evolve. Our advice is grounded in real delivery experience, shaped by an understanding of how large programmes behave in practice, not theory.

These principles guide our approach in the nuclear sector. Our work across delivery and decommissioning equips us to turn challenges into opportunities. With our end-to-end consultancy capabilities, we support business cases, secure funding, and mobilise delivery teams for success. During delivery, our holistic approach drives innovation and creates repeatable, refined solutions. We fill skill gaps, empower the supply chain, energise communities, and unlock value. It's all part of the outcome-driven legacy nuclear programmes must leave, during and beyond.



Key Contact:

Simon Harris

Senior Vice President, Energy & Power
simon.h.harris@marsh.com

Visit:

 marsh.com

 [@MarshGlobal](https://twitter.com/MarshGlobal)

 [marshrisk](https://www.linkedin.com/company/marshrisk)

Marsh is a global leader in insurance broking and risk management. In more than 130 countries, our experts work with clients of all sizes to define, design, and deliver innovative solutions to better quantify and manage risk.

We offer risk management, risk consulting, insurance broking, alternative risk financing, and insurance programme management services.

Exportable Expertise:

- Insurance policy design & placement
- Claims management & negotiation
- Assistance with contractual negotiations to align risk transfer with project needs & stakeholder requirements
- Investor & lender due diligence support
- Learn more in our article: [The resurgence of nuclear power: Navigating insurance and legal frameworks in a growing industry](#)
- Global Nuclear Practice Group with 50+ specialists
- Dedicated risk engineering & claims management teams
- Nuclear centres of excellence in the UK, USA, Singapore, & Hong Kong
- Full lifecycle of nuclear power producers: Development & construction, operation, shutdown & defueling, decommissioning & long-term storage
- Operational risks from GW scale to SMR, AMR, MMR, & fusion
- Mining, conversion, enrichment, fuel fabrication
- Existing & new technologies

Company Experience:

Our team of nuclear insurance experts provide specialised advice, grounded in extensive experience across the entire nuclear landscape, from pre-construction to final decommissioning and storage, and from large gigawatt-scale projects to small modular reactors and other innovative nuclear technologies. We help clients to navigate the complexities of risk management within this highly regulated sector, guiding them through the impact of nuclear legislation on risk and insurance decisions and supporting them through damage claims and loss of revenue scenarios.

We are currently working with many countries who are investigating the potential benefits of energy security from nuclear power.

- Worked with all global 4th Generation technologies (Framatome, AP1000, APR1400, VVER, Hualong).
- Advisers to first western SMR projects to break ground (BWRX300, Natrium).
- Appointed risk and insurance advisor to all UK nuclear power projects since the 1950s.
- Large portfolio of operational placement with specialist nuclear insurers.
- Advisor and placement of fusion test reactors and medical/commercial isotopes.
- Construction and operational advisor to global fuel manufacturers.



Key Contact:

Mariana Yarnold

Managing Director

mariana.b.yarnold@mby-consultants.co.uk

+44 (0)7979 034 072

Visit:

 mby-consultants.co.uk

 mby-consultants-ltd

MBY Consultants helps nuclear organisations turn commercial complexity into confident delivery. This specialist UK advisory firm brings senior experience across nuclear decommissioning, defence nuclear and major programmes to strengthen the commercial architecture behind successful outcomes. From governance and contracting strategy to post-award control, programme recovery and organisational capability, MBY identifies exposure early, protects value and improves delivery confidence. Working alongside client teams, not replacing them, MBY Consultants embeds practical controls, stronger decision-making and lasting capability, helping organisations deliver critical programmes with greater resilience, accountability and commercial discipline.

Exportable Expertise:

- Commercial Architecture™ diagnostics to identify hidden weaknesses, unmanaged exposure & barriers to reliable delivery
- Commercial strategy, governance & operating-model design for complex nuclear programmes
- Early programme mobilisation, establishing clear accountability, controls & decision-making from the outset
- Post-award contract & commercial management to protect value, margin, schedule & delivery credibility
- Commercial recovery of underperforming, distressed or high-risk programmes
- Change control, risk allocation & contractual performance improvement
- Commercial team assessment, redesign & capability development
- Supply-chain readiness, helping organisations strengthen the systems & behaviours required to operate successfully within demanding nuclear environments
- Practical knowledge transfer that embeds sustainable capability within client teams, avoiding long-term consultancy dependency

Company Experience:

MBY Consultants brings senior commercial experience gained across the UK civil nuclear, nuclear decommissioning and defence nuclear sectors, including commercial leadership within a national nuclear laboratory and major programmes supporting the UK submarine enterprise.

Representative project experience includes:

- Nuclear decommissioning programme: Commercial leadership on a complex NEC3 Option C arrangement identified and addressed weaknesses in scope, cost and change control. The intervention secured a £5 million adjustment to the target cost, supported a contract extension worth approximately £10 million and enabled agreement of more than £3 million in variations—protecting delivery while restoring commercial clarity.
- Defence nuclear test facility: A major NEC3 Option C programme was forecasting expenditure at approximately 300% of budget. Through detailed commercial analysis, stronger forecasting, disciplined change control and clearer accountability, the cost position was corrected and the programme regained control of its commercial trajectory.
- Commercial leadership and capability: Experience includes establishing and strengthening commercial governance, improving contracting and post-award management, supporting complex procurements, resolving commercial exposure and developing teams capable of operating within highly regulated, safety-critical environments.

MBY combines this nuclear experience with lessons from complex energy, infrastructure and engineering programmes. This cross-sector perspective enables us to recognise recurring delivery weaknesses early and translate proven commercial disciplines into practical, proportionate interventions.

Our approach is collaborative and capability-led. We work alongside client teams to resolve immediate commercial challenges while embedding the governance, controls, skills and decision-making disciplines required for sustainable programme performance.



Key Contact:

Robin Evans
Engineering Director
rwe@monagroup.wales
+44 (0)1248 751 300

Visit:

 monagroup.wales
 [@MonaLifting](https://twitter.com/MonaLifting)
 mona-lifting-ltd

We are a manufacturer of overhead cranes, jib cranes, lifting beams and handling equipment based in Wales, serving customers that need reliable lifting solutions for industrial applications. We combine practical engineering with fabrication and manufacturing capability to support project delivery and equipment supply.

Exportable Expertise:

- Lifting equipment manufacture
- Handling equipment manufacture
- Overhead travelling cranes
- Jib cranes
- Industrial fabrication
- Project-specific lifting solutions
- 3D CAD & modelling
- Finite Element Analysis (FEA)
- Welding & fabrication
- Bespoke engineered solutions
- Bespoke lifting equipment manufacture
- Blast cleaning & industrial coatings /anti-corrosion coatings
- Factory Acceptance Testing
- Transport, installation & commissioning
- Project management
- Inspection & testing

Company Experience:

We are an active manufacturing business based in Llangefni, Gwynedd, with a long-standing company record dating back to 2004. Our core business is the manufacture of lifting and handling equipment, which suggests strong relevance for projects requiring bespoke lifting systems, material handling solutions and industrial support. We are positioned to support regulated and heavy-industry projects where robust lifting and handling performance is essential.

Key Contact:

Lindsay Roche

Business Development
Director - Nuclear

lindsay.roche@morgansindall.com

+44 (0)7974 961 546

Visit:

 morgansindallinfrastructure.com

 [morgan-sindall-infrastructure](https://www.linkedin.com/company/morgan-sindall-infrastructure)

Morgan Sindall Infrastructure delivers some of the UK's most complex and critical infrastructure across the core sectors of nuclear, defence, energy, water, highways, rail, and aviation for public and private sector clients.

Our purpose is to connect people, places, and communities through innovative and responsible infrastructure. Morgan Sindall Infrastructure is part of Morgan Sindall Group plc, the leading British construction and regeneration group with an annual turnover of £5bn.

Exportable Expertise:

- Early Contractor Involvement
- Engineering Design Services
- Major Project Delivery
- Engineering, Procurement & Construction (EPC)
- Nuclear Construction & Heavy Civil Engineering
- Energy Transmission Construction
- Water Infrastructure Construction
- Transport Infrastructure Construction
- Substations
- Nuclear Mechanical, Electrical, Instrumentation, Control & Automation (MEICA) Engineering & Installation
- Commissioning
- Decommissioning
- Major Project Logistics

Company Experience:

Our capability runs through every phase of a project — from scoping and feasibility, design, build and programme management, installation and maintenance, to replacement, commissioning, and decommissioning of sites. We empower our people to deliver for our clients safely and securely.

Morgan Sindall Infrastructure's Nuclear business is delivering projects at highly regulated and secure sites across the UK. We have supported the Sellafield Ltd. mission for over a decade across the Infrastructure Strategic Alliance (ISA), Project and Programme Partners (PPP) and the Infrastructure Delivery Partnership (IDP) frameworks.

One pivotal project in our portfolio, as Principal Contractor, is the Sellafield Product and Residue Store Retreatment Plant (SRP). The £1.3bn category one facility will safely receive special nuclear material packages before retreating and repacking in new 100-year packages for safe storage. Largely constructed, SRP is now progressing through MEICA installation and fit-out. Leveraging the capability developed, we are expanding into new areas of the nuclear sector, including Fuel, Infrastructure, New Build and Defence.

In the Energy sector we are a long-term partner to National Grid, delivering major projects that strengthen the connectivity and resilience of the UK's electricity supply. Completed in April 2026, our work to install an underground cable and new switchgear substation at Gremista, Sheltand, was critical to connecting the 500MW Viking Wind Farm to the national grid. In Wales, our projects include upgrading the circuits between Dinorwig hydroelectric power station and Pentir substation and delivering the new substation at Penrhos, which will connect offshore energy to the national grid.

In the Water sector we delivered a section of the £4.5 billion Thames Tideway Tunnel — the largest water infrastructure project ever undertaken in the UK. The project involved the creation of a 7km-long tunnel (internal diameter of 7.2 metres), along with a 1.5 km connection tunnel (diameter of 3.2 metres).



Key Contact:

Lewis McVey

Development Director-Civil Nuclear

lewis.mcvey@mottmac.com

+44 (0)161 926 4000

Visit:

 mottmac.com

 [@MottMacDonald](https://twitter.com/MottMacDonald)

 [mott-macdonald](https://mott-macdonald.com)

Mott MacDonald is a global, employee-owned engineering, development, and management consultancy, with over 20,000 employees. Headquartered in the UK, with offices in 50 countries, our purpose is to improve society by considering social outcomes in everything we do, relentlessly focussing on excellence and digital innovation, transforming our clients' businesses, our communities, and employee opportunities. While our track record in the nuclear sector dates back over half a century, our experience positions us at the forefront of the nuclear renaissance. Recent projects include the development of reactor technology programmes, medical isotope production, and enabling decommissioning.

Exportable Expertise:

- Investor advisory including
 - Market Assessment
 - Due diligence
 - Lenders technical advisory
- Policy & regulatory advisory
- Reactor Technology Assessments
- Nuclear Safety & Licensing
- Engineering design of:
 - nuclear island
 - conventional island
 - balance of plant
 - supporting infrastructure, including transmissions & distributions
- Nuclear Fuel Cycle Services
- Decommissioning activities
- Waste management & radiological protection
- Environmental Studies
- Consenting, licensing & permitting support
- Site Selection & Infrastructure
- Planning advice
- Strategic & programme delivery including:
 - Information & knowledge management
 - Business cases
 - Cost intelligence
 - Contract Management
 - Organisation design
 - Supply chain management
 - Quality Management
- Social value and socio-economics

Company Experience:

Mott MacDonald is an employee-owned engineering, management and development consultancy with more than 60 years' experience in the nuclear sector. We support clients across the nuclear lifecycle, from strategy, site selection, feasibility and development through licensing, design, construction, operation, decommissioning and waste management.

More than 1,000 personnel work across our nuclear business. Our multidisciplinary teams combine nuclear safety and licensing expertise with civil, structural, architectural, mechanical, electrical, controls and instrumentation, process, environmental, geotechnical, seismic and fire engineering. These capabilities are complemented by programme and project management, project controls, commercial management, risk, supply chain, digital engineering and asset management. We apply a nuclear safety culture, rigorous quality assurance and continuous learning to protect people, information, society and the environment.

Our experience spans gigawatt-scale new build, small modular and advanced reactors, fusion initiatives, research facilities, medical isotope production, operational assets and complex decommissioning programmes. In the UK, we have worked on every nuclear power plant currently under construction, in operation or being decommissioned. Internationally, we support clients working within complex regulatory environments and apply our nuclear expertise across markets.

Recent projects demonstrate our ability to integrate technical, regulatory and delivery expertise globally. We supported Holtec Britain's SMR-300 with safety, engineering, environmental, regulatory and programme services, helping complete Step 1 of the UK Generic Design Assessment in ten months, 15% faster than anticipated. In Singapore, we are delivering an advanced nuclear reactor safety and technical study for the EMA, covering safety design, international standards, technology maturity and commercial readiness.

By combining nuclear expertise with multidisciplinary insight from infrastructure, energy, transport, water and the built environment, we develop resilient, buildable and cost-efficient solutions. Our focus on digital innovation, connected thinking and whole-life performance helps clients manage complexity, reduce risk, improve delivery certainty and achieve sustainable outcomes while supporting the transition to low-carbon energy.



Key Contact:

Zemfira Knott

Director

zemfira.knott@northcourt.eu

+44 (0)7931 633 842

Visit:

 nc-fusion.com

NC Fusion is the insurance market's first dedicated nuclear fusion insurance facility, a specialist Managing General Agent (MGA) focused exclusively on the emerging fusion energy sector.

Led by Tokio Marine GX and supported by a panel of leading "A" rated insurers from the London insurance market, NC Fusion brings together deep underwriting expertise, technical understanding, and a collaborative approach to risk.

Exportable Expertise:

NC Fusion's clients are:

- Fusion developers
- Fusion contractors and suppliers
- Supply chain
- Investors

Company Experience:

Designed to address the unique challenges of fusion technologies, NC Fusion provides tailored insurance solutions that reflect the sector's unique risk profile. By working closely with developers, investors, and the wider ecosystem, it supports innovation while helping to manage uncertainty. Its purpose is to enable the growth of clean fusion energy worldwide through dedicated, specialist, and forward-looking insurance solutions aligned with the needs of this next-generation industry.

NC Fusion underwrites insurance risks on a global basis, operating across all territories where Lloyd's of London and its Company markets are licensed, enabling the business to support clients in a wide range of jurisdictions and regulatory environments.

NC Fusion is authorised and regulated by the Malta Financial Services Authority with a branch office in the UK and operates as a registered Coverholder (Managing General Agent) with Lloyd's of London, ensuring that its underwriting activities are conducted within a robust and recognised regulatory and market framework.

Past work: NC Fusion was launched in October 2025 and is therefore in the early stages of its development. It builds on the decades of fission experience of its founding team and supporting markets in underwriting complex nuclear and energy risks globally. This foundation enables NC Fusion to engage with the sector from the outset, working alongside clients to understand emerging risk profiles and develop appropriate insurance solutions as the industry evolves.



Key Contact:

David Nelson

International Head of Market Engagement -
Defence, Aerospace, Energy & Infrastructure
david.nelson@newtonimpact.com

Visit:

 newtonimpact.com
 [newtonimpact](https://www.linkedin.com/company/newtonimpact)

An international, cross enterprise strategic delivery partner for the nuclear sector, invested in national security, energy resilience and supporting critical national endeavours. We work alongside government, regulators, operators and supply chains to turn strategic ambition into operational reality to deliver meaningful and lasting impact.

We specialise in complex, high-stakes programmes and transformations bringing together deep operational understanding with hands-on delivery. Because outcomes matter more than activity, we align our success with our clients' to deliver lasting national and economic impact.

Exportable Expertise:

- Strategic delivery
- Programme transformation
- Capital delivery
- Asset Management
- Capability development
- Operational improvement
- Change implementation
- Data-led performance improvement
- P&L value delivery
- Hands-on change management

Company Experience:

As investment and ambition across Nuclear continues to grow, organisations are under increasing pressure to deliver programmes faster, more efficiently and with greater certainty. Newton works with clients across both civil and defence nuclear environments to improve programme delivery, strengthen supply chains, increase productivity and enhance operational performance.

Drawing on decades of experience across major defence and energy programmes, we help nuclear organisations improve programme delivery, strengthen supply chains and increase operational performance. By applying proven approaches from some of the world's most complex and highly regulated environments, we help clients overcome constraints and deliver critical outcomes with greater pace and clarity.

We focus on complex challenges where visibility of value matters, and we link implementation to measurable outcomes. What differentiates Newton is our hands-on approach. We work alongside clients and their partners to understand root causes, remove barriers to performance and deliver measurable, lasting results. Whether supporting major nuclear programmes, defence infrastructure, energy capital delivery or critical national infrastructure, we are committed to helping organisations turn ambitious goals into operational reality.



Northcourt
Nuclear Risk Specialists
An Optio company

Key Contact:

Zemfira Knott

Director

zemfira.knott@northcourt.eu

+44 (0)7816 881 818

Visit:

 northcourt.eu

 [northcourtlimited](https://northcourtlimited.com)

Northcourt is an international Lloyd's Managing General Agent dedicated exclusively to providing insurance solution to the global nuclear industry.

Backed by a panel of "A"-rated Lloyd's Syndicates and company markets, it brings specialist underwriting expertise to clients across the entire nuclear fuel cycle, from enrichment and fuel manufacturing to power generation, decommissioning, waste management, and transport.

Exportable Expertise:

- Nuclear risk underwriting
- Nuclear property insurance
- Nuclear liability insurance
- Refurbishment projects
- Contractors/supply chain support
- Investor protection cover
- Reinsurance solutions
- Nuclear risk engineering
- Fusion insurance

Company Experience:

Northcourt is run by highly experienced nuclear insurance personnel and works with clients across enrichment, fuel manufacture, power plants, reprocessing, decommissioning, waste management, and transport.

Northcourt operates globally, with clients across Europe, China, South Africa, US, and Canada, and continues to grow its reach as the nuclear industry expands into new markets and technologies.

In 2025, Northcourt launched NC Fusion, the Lloyd's market's first insurance facility built specifically for nuclear fusion technology. Developed in partnership with Tokio Marine GX, NC Fusion brings insurance capacity to fusion ahead of commercial deployment, combining Tokio Marine's financial strength and energy expertise with Northcourt's specialist nuclear underwriting knowledge to address the unique risks this emerging technology presents.

Northcourt aims to build long-term relationships with clients and brokers across all areas of the nuclear industry, offering additional capacity, choice of insurer, and greater flexibility in programme design, whether for established nuclear operators or the next generation of nuclear innovation.

Key Contact:

Gareth Davis
Director
gareth@numerga.co.uk
+44 (0)7764 197 732

Visit:

 numerga.co.uk
 [numerga-ltd](https://www.linkedin.com/company/numerga-ltd)

We are a specialist nuclear sector M&A consultancy focused on business growth, market insight and transaction support.

We help clients enter, expand in or reposition within the nuclear market through strategy, partnerships, acquisitions and joint ventures. Our clients range from large international engineering companies, consultancies, and professional services companies to investors and investment funds.

Exportable Expertise:

- Nuclear M&A advisory
- Growth strategy development
- Market research & analysis
- Supply chain development & localisation
- Partnering & joint venture support
- Target identification & engagement
- Deal structuring & negotiation support
- Investment planning
- Succession planning support

Company Experience:

We bring decades of nuclear sector experience and a strong network across the UK and Europe, with work spanning the UK, France and Spain.

Our services cover the full transaction journey, from growth strategy development, market reports and analysis, target definition and identification, through to due diligence, negotiation and deal completion. We support clients with buyer and seller-side advice, company valuation, market positioning and collaboration models, with a particular focus on SMEs and specialist suppliers in the nuclear supply chain.



Key Contact:

Connor Deehan

Business Transformation Leader

connor.deehan@paconsulting.com

+44 (0)7834 506 829

Visit:

 paconsulting.com

 [pa-consulting](https://www.linkedin.com/company/pa-consulting)

PA Consulting is a global innovation and transformation consultancy, founded in 1943. It helps organisations create opportunity from complexity by combining strategy, technology, design, engineering and science. PA delivers end-to-end innovation, from shaping strategy and policy through to designing and delivering complex transformation programmes.

The firm employs around 4,000 consultants, designers, engineers, scientists and technologists across the UK, Europe, the United States and the Nordics. It works in both the public and private sectors, with particular expertise in energy and utilities, government and public services, defence and security, transport, financial services, health and life sciences, and consumer and manufacturing.

Exportable Expertise:

- Consultants

Company Experience:

A defining strength of PA is its focus on practical outcomes. The firm combines advisory capability with the ability to implement solutions in regulated, safety-critical and technology-enabled environments. Now owned by Jacobs, PA and Jacobs together form a global advisory business that helps clients move from strategic intent to measurable outcomes.

Past Nuclear Work

New Build

- Governments – New Nuclear Org Model
- Sizewell C – PMO
- SMR and AMR – Market Entry
- UK Defence Nuclear Enterprise – Workforce & Capability

Fuels, Transport and Decommissioning

- Urenco – Cyber
- Nuclear Decommissioning Authority – Strategy & Transformation
- Sellafield – AI Advisory
- Nuclear Transport Services – Strategy



Key Contact:

Mica Labrecque

Business Development Manager

mica.labrecque@pillsburylaw.com

+44 (0)207 847 573

Visit:

 pillsburylaw.com

 [@pillsburylaw](https://twitter.com/pillsburylaw)

 [pillsbury-winthrop-shaw-pittman-llp](https://www.linkedin.com/company/pillsbury-winthrop-shaw-pittman-llp)

Pillsbury helps clients shape the future of nuclear energy. For more than 50 years, our lawyers have guided pioneering projects, first-of-a-kind technologies and landmark transactions across the sector. We advise nuclear operators, developers, investors, financial institutions, governments and reactor suppliers on bringing complex projects from concept to commercial operation.

Drawing on deep regulatory, transactional, disputes and project development experience, we help clients manage risk, secure investment and navigate evolving policy. We support established fleets and next-generation nuclear technologies across the UK and worldwide.

Exportable Expertise:

- Nuclear energy regulation, licensing & compliance
- Nuclear project development, structuring & financing
- Advanced nuclear technologies, small modular reactors & first-of-a-kind projects
- Nuclear-powered & energy-intensive data centre infrastructure
- Space-based nuclear power, propulsion & commercial space projects
- Defence, national security & dual-use technologies
- Corporate transactions, mergers and acquisitions, & joint ventures
- Project, commercial & supply chain contracting
- Government policy, legislative development & public-sector engagement
- Litigation, arbitration & complex dispute resolution
- Intellectual property protection & technology commercialisation
- Real estate, planning, permitting & land use
- Nuclear fuel cycle, plant operations & fleet-related matters
- Decommissioning, radioactive waste & environmental matters
- Cross-border investment, export controls & international projects

Company Experience:

Pillsbury has advised on major nuclear energy projects, transactions and financings in more than 30 countries across six continents. Our experience spans the full nuclear lifecycle, including policy development, licensing and regulation, project structuring, financing, construction, operation, fuel supply, decommissioning and dispute resolution.

We advise nuclear power plant owners and operators, governments, developers, investors, financial institutions, reactor and technology suppliers, and other industry participants. Our multidisciplinary team provides support on corporate transactions, joint ventures, project finance, regulatory strategy, litigation and arbitration, intellectual property, real estate, land use and commercial contracting.

Our lawyers have played key roles in first-of-a-kind and next-generation nuclear projects, including advanced reactors and small modular reactor programmes. We help clients navigate the regulatory, commercial and financing challenges involved in bringing innovative technologies to market, while supporting established operators on fleet, supply chain and operational matters.

Our work also extends to cutting-edge applications at the intersection of nuclear energy, technology and national security. This includes advising on the development, financing, construction and operation of energy-intensive data centres, where access to reliable, resilient and low-carbon power is increasingly critical. In the space sector, our experience encompasses space-based nuclear power and propulsion, commercial space projects, satellite systems, launch and re-entry regulation, government contracts and export controls. We also support defence and dual-use technology companies on strategic investment, government contracting, national security reviews, facility clearances, cybersecurity and international trade controls.

Drawing on more than five decades of nuclear experience, we combine deep sector knowledge with multidisciplinary insight to support complex, high-value projects. This enables us to advise clients on emerging opportunities across energy, digital infrastructure, space and defence, from early-stage development and investment through commercial deployment and long-term operation.

Key Contact:

Xavier Jahouel

Business Manager - Nuclear Services

xavier.jahouel@porvairfiltration.com

+44 (0)7801 239 059

Visit:

 porvairfiltration.com

 [porvair-filtration-group](https://www.linkedin.com/company/porvair-filtration-group)

Porvair Filtration Group is a global leader in filtration and separation technologies, with more than 50 years of experience delivering high quality filtration solutions across a wide range of industries. The company designs, develops and manufactures advanced filtration products, supported by production facilities in the UK, Europe, the USA and India, alongside an extensive international sales and distribution network.

For the nuclear industry, Porvair provides engineered filtration solutions that enhance the safety, efficiency and reliability of critical processes. Combining technical expertise with robust quality frameworks, Porvair uses innovative technologies and proven products to meet the demanding requirements of nuclear operations.

Exportable Expertise:

Our expertise includes:

- filtration of both gaseous & liquid streams
- disposable and cleanable filtration
- both civil & military nuclear applications
- filtered containment venting systems (FCVS)
- high temperature off gas clean-up
- HEPA protection & pre-filtration
- pulsed jet self-cleaning HEPA filtration
- metallic HEPA filtration for extreme conditions
- metallic filter septa & resin traps for filter condensate polishers
- powder/product collection vent filtration
- waste package filter vent/breathers
- active effluent treatment packages
- coalescers (liquid/liquid & liquid/gas)
- cooling loop, fuel pool, & other power generation filter applications
- designed-for-purpose filtration & separation packages for the most demanding of applications

Company Experience:

Porvair is a specialist engineering company providing end to end filtration solutions, from consultation and concept development to fully optimised systems. Combining extensive engineering expertise with knowledge of industry standards, it designs solutions that meet technical, material, regulatory and operational requirements.

Its portfolio includes OEM retrofit filter elements, complete filtration and separation systems, and a wide range of metallic and non-metallic filter media, including stainless steel, polymers and exotic alloys. Supported by quality assurance, testing facilities and aftermarket services, Porvair delivers reliable, compliant performance. In the nuclear sector, decades of experience underpin HEPA, metallic HEPA and customised filtration packages engineered for demanding environments. These solutions enhance safety, efficiency, equipment protection and environmental integrity across critical nuclear operations globally for customers across multiple sectors.

Porvair offer solutions to the following sectors:

- power generation including NPP (PWR & BWR), Small Modular Light Water Reactors (SMR LWRs), High Temperature Gas Cooled Reactors (HTGRs), Molten Salt Reactors (MSRs), and Liquid Metal/Fast Neutron Reactors (LFRs/SFRs).
 - Also, filtration solutions for cooling water, underwater vacuums, rotating equipment and general liquid separations.
- fuel manufacture and medical isotopes
- waste management and Vitrification plant
- waste packaging and storage (Vent Breathers for Nuclear Casks/Containers and Spent Fuel Transportation Casks/WIPP Filter Vents)
- glove box filtration (Integrated Glovebox Housekeeping & Contaminant Management)
- fusion (Water Cooling and Vacuum Systems)
- decommissioning and decontamination:
 - the clean-up of liquid wastes
 - the decomposition, reduction and reformation of organic and other wastes
 - the drying and storage of spent fuel
 - the venting of waste tanks and storage
 - effluent treatment packages
 - UK and US (AG-1 compliant) radial flow polymeric, glass and metal HEPA systems
 - treatment of high-level waste off-gas from vitrification
 - dewatering of legacy liquid wastes
 - a full range of industry standard disposable filters for power generation and decommissioning applications
- defence
- Medical Isotopes

Key Contact:

Josh Burton

Marketing Manager

josh.burton@powertherm.co.uk

+44 (0)114 288 9119

Visit:

 powertherm.co.uk

 [@PowerthermCS](https://twitter.com/PowerthermCS)

 [powerthermcs](https://www.linkedin.com/company/powerthermcs)

Powertherm engineers thermal-management solutions for nuclear and other safety-critical process industries. We design, calculate, manufacture and deliver high-integrity insulation and electrical trace-heating systems for complex assets and operating environments. With more than 35 years' practical experience, our engineers combine technical analysis, CAD design, specialist material knowledge, in-house manufacturing and installation expertise to develop solutions that are compliant, maintainable and capable of being delivered in practice. Our capabilities span thermal, acoustic and cryogenic insulation, removable jacketed insulation systems, bespoke cladding and support structures, as well as hazardous and non-hazardous trace heating across the complete asset lifecycle.

Exportable Expertise:

- Thermal engineering & insulation-system design
- Engineered insulation products & manufacturing
- Electrical trace-heating engineering
- Asset-lifecycle delivery & technical assurance
- Fit-4-Nuclear
- Thermal Insulation Contractors Association
- CompEx (Ex01-04, Ex12)
- ISO 9001, ISO14001, ISO45001

Company Experience:

Key Project Delivery Examples

Rolls-Royce: Powertherm have provided specialist insulation and trace heating design and specification support across Rolls-Royce projects. For the Ultimate Diesel Generator (UDG) system at Hinkley Point C (HPC), Powertherm designed the insulation system/specification, alongside design work for the UDG trace heating specification. Our teams also designed bespoke removable insulation systems for high-temperature heat exchangers, also at HPC, incorporating engineering calculations, CAD drawings and installation/ removal procedures to facilitate inspection and maintenance requirements. For MT30 gas turbines, we designed, manufactured and installed high-temperature insulation panels for the collectors.

Urenco Capenhurst: Powertherm delivered integrated insulation and electrical trace-heating systems across the nuclear-processing environment. The scope included design, supply and installation of frost-protection and process-temperature-maintenance systems, incorporating self-regulating, constant-wattage and mineral-insulated heating technologies and five associated control panels. In-house teams also provided technical insulation, removable insulation systems, engineered sheet-metal cladding and hazardous-area trace-heating capability, together with lifecycle maintenance support.

Hartlepool Power Station: Powertherm undertook site measurement, detailed design and manufacture of specialist insulation and mirror-polished stainless-steel cladding systems for crossover ducts. The solution required dimensional accuracy, bespoke fabrication and coordination between the insulation, support and external cladding arrangements. Specialists also designed and manufactured high-temperature removable insulation systems for turbine equipment using multi-layer insulation and technical materials.

Sizewell B: Powertherm manufactured, supplied and installed an engineered insulation and stainless-steel cladding system for a 14.5 m diameter water-storage tank roof. The system incorporated a bespoke DUK Rail substructure, aluminium-foil stress-corrosion-cracking barrier, mineral-wool insulation, 316 stainless-steel petal cladding, weathering details and provisions for inspection access.



Key Contact:

Tom Amos

Head of Nuclear & Industrials

tom.amos@q5partners.com

+44 (0)7786 676 957

Visit:

 q5partners.com

 [@q5partners](https://twitter.com/q5partners)

 [q5](https://www.linkedin.com/company/q5)

Q5 is a global consultancy specialising in enterprise change and organisational health. We work with leadership teams to translate strategy into practical, sustainable implementation, ensuring transformation is delivered with pace, discipline and lasting impact. Over the past decade, we have partnered with hundreds of complex organisations worldwide, supporting them to navigate large-scale transformation in dynamic and highly regulated environments. Our approach focuses on strengthening governance, aligning operating models, and embedding change at every level of the organisation. We combine strategic insight with hands-on delivery, enabling clients to move from ambition to execution with confidence.

Exportable Expertise:

- Organisational health
- Organisational strategy
- Operating model design
- Leadership development
- Culture change
- Transformation delivery
- Change management
- Performance improvement

Company Experience:

By fostering clarity, accountability and adaptability, we help organisations build the internal capability required to sustain change long after programmes conclude. We have worked across a number of areas of the nuclear lifecycle — most notably in decommissioning and waste, but also generation and new build.

Our work has focused on operating model development, transformation, culture and leadership. As such we can support across IAEA Milestones, working on operating model and transformation (including management, human resources, stakeholder management).



Key Contact:

Paddy MacGregor

Government Relations & Policy Manager

pmacgregor@quasarenergy.co.uk

Visit:



quasarenergy.co.uk

We are a UK-based energy company developing Project Quasar, an SMR nuclear power project aimed at delivering c. 1.2GW of clean, affordable, safe and sustainable baseload power. Our business is backed by Madhvani International and supported by a team with deep nuclear and large-scale civil engineering experience.

Exportable Expertise:

- SMR project development
- Nuclear power project development
- Energy investment & sponsorship
- Project finance support
- Civil engineering programme leadership
- Nuclear technology assessment
- Power market development
- Strategic advisory on market entry & delivery

Company Experience:

We have been developing a 1.2GW SMR nuclear power project in the UK since 2019. Our leadership team includes senior figures with experience in nuclear strategy, project development, finance and government advisory, including former NDA and UK government nuclear leaders. We are positioned as a private investor and potential power generator for the UK's first-of-a-kind SMR project.

Key Contact:

Jon Derrick
Projects Bid Specialist
bidteam@rm-electrical.com
+44 (0)2380 001 126

Visit:

 rm-electrical.com
 [@rmelectric](https://twitter.com/rmelectric)
 [r&m-electrical-group-ltd](https://www.linkedin.com/company/rm-electrical-group-ltd)

We are a UK and global electrical distributor providing electrical products, technical support and supply chain solutions across multiple market sectors. We support industrial customers with cable packages, hazardous area equipment, lighting and wider electrical distribution services. We have over 38 years of electrical distribution experience and work directly with operators and EPC contractors on large-scale electrical project supply and management.

Our products and services are used nationally and internationally across oil and gas, petrochemical, industrial, marine, pharmaceutical and commercial sectors. We also operate engineering design and technical consulting activities, allowing us to support both product supply and project delivery.

Exportable Expertise:

- Electrical distribution
- Supply chain management
- Technical sales
- Cable package supply
- Hazardous area equipment
- Lighting equipment
- Engineering design support
- Technical consulting
- Bespoke Offsite Fabrication
- Assembly Solutions
- Project Management with dedicated Project Managers
- Dedicated & specialised Documentation Team
- 24 Locations Worldwide

Company Experience:

We supply the complete scope of electrical products from cables to lighting, containment, and much more. Our electrical knowledge, coupled with extensive supply chain management expertise, also extends to bespoke solutions, major project delivery, export management, MRO supply contracts, and value-added

engineered solutions. Offering a complete range of electrical and cable products tested and approved for use in nuclear applications, we can support both ongoing site maintenance, repair, and operation (MRO) contract supply as well as major new build nuclear power projects. We do not only offer material supply,

but we also support our nuclear clients with the design and specification of electrical products fit for the nuclear space. We have been assessed and selected by world-leading nuclear operators for several significant project and contract awards. Currently and for the foreseeable we are providing the MEH Hinkley

Point C COTS package through an ongoing contract as a Tier 1 Supplier - Commercial Off The Shelf Products. This covers items such as Luminaires, PDU's, Switches, Sockets, to Trace Heating, Components, Enclosures, Specialised Cable, with a vast array of many more items that can be procured upon request.

The framework was based on the supply of a host of electrical products, some of which we played an active role in specifying alongside our various manufacturing and engineered solutions partners.

Our Projects Division in Southampton has managed the full material supply together with the critical documentation required to ensure complete material traceability for the client. Other regional R&M distribution centres were utilised for material consolidation. This joint intercompany approach allowed us to demonstrate a number of our core skills, namely major project delivery and reactive supply.



Key Contact:

Alistair Kitching

Business Development

alistair.kitching@redengineering.co.uk

+44 (0)7525 115 378

Visit:

 redengineering.co.uk

 [@RedEngineersUK](https://twitter.com/RedEngineersUK)

 [red-engineering08](https://www.linkedin.com/company/red-engineering08)

RED Engineering is a specialist engineering company focused on solving complex engineering challenges and reducing risk for clients working in hazardous environments. We work collaboratively to understand your requirements and deliver effective, high-quality solutions.

Through rigorous engineering, meticulous attention to detail, and robust risk management, we help clients achieve their objectives with confidence. Our clients operate in some extremely demanding environments, including nuclear, offshore, and subsea, where safety, quality, and integrity are essential.

By combining innovation, technical excellence, and an agile approach, we deliver tailored solutions that enable the safe and successful completion of critical projects.

Exportable Expertise:

- Mechanical Engineering
- Operational equipment development
- Verification & Validation
- Engineering led testing programmes
- Product qualification
- Design to latest codes & standards
- Nuclear Decommissioning Support
- High integrity Engineering Design
- Remote Handling Solutions
- Remote Tooling
- Condition Monitoring & Assessment
- Electrical & Control Design
- Technology Development
- Qualification Testing
- Reactive Problem Solving

Company Experience:

RED Engineering has been supporting the UK nuclear sector for over 10 years, delivering innovative engineering solutions that improve safety and reduce risk working in hazardous environments. As an approved supplier to the UK nuclear industry, we have developed extensive expertise in designing, testing, and deploying equipment and systems for challenging applications where quality, reliability, and safety are critical.

Our experience spans a wide range of projects, including remote handling systems, specialist tooling, lifting and deployment equipment, inspection and maintenance solutions, and bespoke mechanical engineering systems. We work closely with clients to understand operational challenges and develop practical solutions that enable safer, more efficient project delivery within complex and highly regulated environments.

A key aspect of our approach is the use of structured test and qualification programmes to reduce technical and operational risk throughout the development process. Through simulation, prototyping, factory acceptance testing, and full-scale trials, we validate performance and identify potential issues early, providing confidence that equipment will operate safely and effectively when deployed in the field.

RED Engineering offers complete project support throughout the entire lifecycle, from early client engagement, feasibility studies, and concept development through to detailed design, manufacture, assembly, testing, commissioning, and deployment. Our integrated facilities and experienced engineering team enable us to manage projects efficiently while maintaining the highest standards of engineering integrity and quality assurance.

By combining rigorous engineering, innovative thinking, and a collaborative approach, RED Engineering continues to deliver successful outcomes for clients operating in some of the most demanding environments, helping to ensure the safe completion of critical projects across the nuclear sector and other high-hazard industries.



SMR

Key Contact:

Communications Team

press@rolls-royce-smr.com

Visit:

[rolls-royce-smr.com](https://www.rolls-royce-smr.com)

[in rolls-royce-smr](https://www.linkedin.com/company/rolls-royce-smr)

Rolls-Royce SMR is developing a 470MW factory-built nuclear power station, built on established pressurised water reactor technology and designed to deliver clean, secure and affordable electricity at scale.

In 2026, the company signed a contract with Great British Energy–Nuclear to deliver the UK's first three SMRs at Gwyndod on Ynys Môn, North Wales. It is working with strategic partner and shareholder ČEZ to deploy up to 3GW in Czechia, beginning at Temelín. Videberg Kraft has also selected Rolls-Royce SMR to deliver three units on Sweden's Värö peninsula.

Exportable Expertise:

- Small modular reactor development
- Nuclear power plant design
- SMR technology delivery
- Clean energy generation
- Reactor engineering
- Nuclear new build support

Company Experience:

Rolls-Royce SMR combines proven nuclear engineering with a standardised, factory-built delivery model designed for repeat deployment across international markets. Its 470MWe pressurised water reactor is progressing through Step 3 of the UK's Generic Design Assessment by the industry's independent regulators.

In the UK, Rolls-Royce SMR has a contract with Great British Energy — Nuclear to begin delivery of three units at Gwyndod on Ynys Môn (Anglesey), North Wales. The programme is expected to support thousands of skilled jobs and establish the industrial capability needed for a global fleet.

In Czechia, Rolls-Royce SMR is working with strategic partner and shareholder ČEZ on a programme of up to 3GW. An Early Works Contract began site-specific design, licensing, permitting and infrastructure activity for the first unit at Temelín — supported by collaboration between the UK and Czech supply chains.

In Sweden, Videberg Kraft selected Rolls-Royce SMR to deliver three units on the Värö peninsula. The Videberg Project is planned to provide around 1,500MWe of clean baseload capacity and become Sweden's first new nuclear power station in more than 40 years.

Success in these markets confirm Rolls-Royce SMR's position as Europe's leading SMR technology.

Key Contact:

Mark Rosser

Chief Executive Officer

sales@seraclifesciences.com

+44 (0)7798 942 292

Visit:

 [seracimaging.com](https://www.seracimaging.com)

 [seracindustrialimaging](https://www.linkedin.com/company/seracimaging)

Serac Imaging Systems is an SME providing Seracam®, a compact, portable gamma-optical camera that makes radiation visible to operators in real time at the point of use. Seracam overlays a continuous, live, gamma 'heat map' on optical video, helping operators locate and distinguish sources, observing changes while the intervention is still in progress, and retain fused gamma and visual video evidence.

Seracam is designed for practical deployment in civil nuclear environments, including radioisotope processing, decommissioning and medical isotope production and supply. The technology has progressed through Sellafield 'Game Changers' trials to commercial nuclear deployment at Sellafield.

Exportable Expertise:

- Continuous gamma-optical video imaging even while source or camera are in motion
- Portable, high-spatial-resolution source localisation
- Accurate radiation 'heat maps' of distributed sources overlaid on physical features & structures
- Hand-held, hands-free & remote or robotic deployment
- Radioisotope handling, process monitoring & contamination control
- Decommissioning, POCO and waste-characterisation workflows
- Application-specific configuration, integration & operator training

Company Experience:

Serac Imaging Systems has translated detector technology originating in NASA /ESA space research into a saleable commercial platform. Seracam's sealed, cleanable and self-contained camera head is approximately 15cm in diameter and 5kg. It combines live, fused optical video with gamma video imaging and has also demonstrated capability for imaging Y-90, a pure beta emitter. Selectable integrated collimators provide a practical "gamma zoom" functionality. The system can be deployed hand-held, hands-free or on robotic and unmanned platforms, while still and video records support data review, assurance and archiving. Seracam is a unique visualisation tool that brings a new, enhanced capability to complement existing radiological detection, protection and process instrumentation.

Decommissioning

Seracam's continuously co-registered display helps operators locate focal contamination and also provides real time heat maps of more distributed contamination with multiple focal points. Operators can target work, and visualise the effect of operations while still in process. The resulting spatial evidence can inform ALARP decisions, sampling, work sequencing, shielding and remote-handling strategy, and waste routing and packaging. Seracam made its first commercial nuclear-sector deployment at Sellafield in 2026 following active trials in a demanding glovebox Post-Operational Clean-Out application. A structured integration programme is extending testing and developing practical deployment models and procedures.

Radioisotope processing and medical-isotope supply

Seracam can provide immediate visual context during radioisotope handling in gloveboxes and hot cells, process monitoring, transfers, fluid flow, filtration or filter breakthrough, and the investigation of contamination, leaks and spills. In isotope production and radiopharmacy supply chains, this creates opportunities to verify where activity is moving or retained, guide recovery and clean-up, and capture visual quality-assurance evidence. With a heritage in nuclear medicine imaging, Seracam is very well suited to use with medical isotopes.



Key Contact:

Dominic Ashmore

Head of Business Development
& Marketing

dashmore@sfel.com

+44 (0)7741 383 166

Visit:

 sheffieldforgemasters.com

 [@ForgemastersHQ](https://twitter.com/ForgemastersHQ)

 [sheffield-forgemasters](https://www.linkedin.com/company/sheffield-forgemasters)

Sheffield Forgemasters is a world-leading manufacturer of ultra-large steel castings, forgings and precision-machined components for the civil nuclear, defence and energy sectors. With over 250 years of heritage, the company offers integrated steelmaking, forging, casting, machining, testing and inspection from a single UK site.

Sheffield Forgemasters supports large reactor, SMR and fusion programmes through the manufacture of nuclear-grade forgings, castings, reactor pressure vessel components and other critical safety-class equipment, providing complete traceability, quality assurance and end-to-end manufacturing solutions for global nuclear supply chains.

Exportable Expertise:

- Large & Complex Nuclear-Grade Steel Castings & Forgings
- Integrated Steelmaking & Ingot Production
- Precision Heavy Machining
- Advanced Materials Testing & Qualification
- Nuclear-Grade Component Manufacture
- Reactor Pressure Vessel Components
- Primary Circuit & Critical Safety-Class Components
- Small Modular Reactor (SMR) Supply Chain Solutions
- Fusion Energy Component Development & Manufacturing
- Modelling, Simulation & Process Development
- Technology Transfer
- Safety Case Support
- Manufacturing Capability Development

Company Experience:

Sheffield Forgemasters has a long track record of supporting some of the world's most technically demanding and safety-critical programmes through integrated steelmaking, forging, casting, machining, testing and engineering expertise. The company has supplied safety-critical components, ranging from Steam Generator forgings to Transport Casks, for nuclear programmes worldwide. The company also has extensive experience in the manufacture of reactor coolant pump casings, supplying nuclear-grade castings for Westinghouse AP1000 programmes amongst others.

Within the civil nuclear sector, Sheffield Forgemasters has demonstrated capability beyond component manufacture, providing engineering, research and consultancy services to support complex nuclear challenges. A notable example was its work on the Beznau Unit 1 nuclear power station in Switzerland, where the company was contracted to investigate ultrasonic indications identified within the reactor pressure vessel. Sheffield Forgemasters manufactured a full-scale replica vessel section, conducted extensive materials testing and established a root-cause analysis that provided key evidence to support the reactor's return to service.

The company has pioneered the industrialisation of Local Electron-Beam Welding (LEBW), and in 2024 completion of the first full-sized Small Modular Reactor (SMR) nuclear vessel demonstrator assembly at Sheffield Forgemasters signalled a global leap in welding technology. The complete weld-assembly of the vessel took less than 24 hours to complete four, thick, nuclear-grade welds, typically requiring a year of work to complete. With a diameter of three meters and a wall thickness of 200mm, the construction of the vessel showcases the reliability and capabilities of (LEBW), setting a dramatic new standard for weld-joining thick-walled components, previously unrivalled in a demonstrator model.

Through continued investment in facilities, technology and skills, Sheffield Forgemasters remains well positioned to support the delivery of large reactor, SMR and fusion programmes, helping strengthen resilient nuclear supply chains in the UK and internationally.



Key Contact:

Alix Johnstone-Morfoisse

Director

alix@simplybd.co.uk

+44 (0)203 778 2158

Visit:

 simplybd.co.uk

 [simplybd](https://www.linkedin.com/company/simplybd)

SimplyBD is a UK-based consultancy specialising in business development for the nuclear industry. We support companies in the UK and internationally to understand the market, unlock growth opportunities, and develop strategic connections.

Our expertise covers new build, SMRs, operations and maintenance, decommissioning, and fusion, helping suppliers position their products and services for success in the nuclear sector.

Exportable Expertise:

- Business development
- Lead generation
- Market research & insight
- Marketing & communications
- Nuclear sector growth strategy
- SME support
- Customer & partner engagement
- Supply chain engagement

Company Experience:

SimplyBD is a specialist business development consultancy supporting companies to enter, grow and succeed in the nuclear sector. We help organisations understand the market, identify opportunities and build the relationships needed to achieve their commercial objectives.

Our clients range from pre-commercialisation start-ups and SMEs to established international businesses with more than 1,000 employees. Based in the UK, we have supported organisations across the UK and Europe, providing practical, flexible support tailored to each client's needs.

We work with businesses supplying products or services to the nuclear industry, including new build, small modular reactors (SMRs), operations and maintenance, decommissioning, and fusion. Our services can be delivered on a retainer or project basis, covering market intelligence, stakeholder engagement, opportunity identification, partnership development and route-to-market support.

Alongside our consultancy services, we are developing NuSym, a digital supplier engagement platform designed to help project owners, framework organisations and large companies engage more effectively with existing and potential suppliers. The platform supports supply chain visibility, collaboration and supplier development, helping to build resilient and diverse supply chains across multiple projects. NuSym may be of particular interest to countries developing nuclear capability and programmes seeking to attract suppliers from both domestic and international markets.

At SimplyBD, our mission is to empower businesses to thrive in the nuclear industry. We welcome opportunities to collaborate with international partners, industry associations and suppliers to strengthen cross-border cooperation and share knowledge across global nuclear markets.



**Steel
Dynamics UK®**

Key Contact:

Lee Nicklin

Business Development Director

lnicklin@steel-dynamics.co.uk

+44 (0)7950 433 299

Visit:

 steel-dynamics.co.uk

 [steeldynamicslimited](https://www.linkedin.com/company/steeldynamicslimited)

Steel Dynamics Ltd is one of the UK's leading stainless-steel stockholders and processors, delivering integrated material supply chain solutions to the nuclear, defence, energy, water, pharmaceutical, food, petrochemical and advanced manufacturing sectors. As the first UK stainless steel processing businesses accredited to ISO 19443, Steel Dynamics supports nuclear new build, decommissioning, waste management and fusion programmes through its Total Service Concept (TSC), integrating material sourcing, processing, inventory management and supply chain optimisation. The business combines extensive stockholding with advanced in-house processing capabilities to reduce risk, complexity, lead times and total acquisition cost.

Exportable Expertise:

- Nuclear-qualified stainless steel supply & processing
- ISO 19443 nuclear quality management systems
- Strategic supply chain integration & optimisation
- Total Service Concept (TSC) delivery models
- Nuclear new build material supply solutions
- Decommissioning & waste management support
- Fusion programme supply chain support
- Material specification & sourcing
- Stainless steel plate & sheet stockholding
- Laser cutting, waterjet cutting & machining
- Pressing, folding & rolling services
- Edge preparation & fabrication support
- Inventory management & vendor-managed inventory
- Kitting & project package management
- Carbon reduction through material optimisation
- International procurement & logistics management

Company Experience:

Steel Dynamics Ltd supports critical infrastructure programmes throughout the UK nuclear sector and wider regulated industries, providing integrated stainless steel supply chain solutions from concept through to manufacture and installation.

The company's approach is founded on its Total Service Concept (TSC), which focuses on reducing supply chain fragmentation, improving manufacturability and delivering the lowest total acquisition cost through early engagement with designers, engineers, procurement teams and fabricators.

Steel Dynamics has supplied stainless steel materials, processing and engineered supply chain solutions to projects and applications including:

- Nuclear waste storage and handling systems.
- Intermediate Level Waste (ILW) processing equipment.
- Product & Residue Store (PR Store/SRP) infrastructure.
- Pools, pond liners and containment systems.
- Sumps and drainage systems.
- Sluice gates and water management assets.
- Heat exchanger and process vessels.
- Steam condenser applications.
- IRWST tanks and support frames.
- Sub-sea manifolds and engineered structures.
- Lifting and handling equipment.

Operating from strategically located UK facilities, Steel Dynamics combines extensive stockholding with advanced processing capabilities including laser cutting, waterjet cutting, CNC machining, pressing, folding, rolling and weld preparation.

The business works with nuclear operators, Tier 1 contractors, OEMs, fabricators and engineering organisations to strengthen supply chain resilience, reduce material waste, improve programme certainty and support the successful delivery of major infrastructure projects.

With experience supporting both existing nuclear operations and future technologies including Small Modular Reactors (SMRs) and fusion energy programmes, Steel Dynamics is well positioned to assist international organisations seeking proven UK expertise in nuclear supply chain integration, stainless steel processing and project delivery support.

Key Contact:

Jonathan Cripps

Partner

jonathan.cripps@stephensonharwood.com

+44 (0)207 809 2084

Visit:

 stephensonharwood.com

 stephenson-harwood-llp

Stephenson Harwood's nuclear practice is recognised for its depth of expertise which, when combined with the international reach and experience of our lawyers, enables us to support clients on complex nuclear projects whether in the UK or around the world.

Our global network of offices, each with its own regional or international nuclear expertise and experience, span the key nuclear hubs of London, Paris, Saudi Arabia, Dubai, Singapore, Hong Kong, and Seoul.

Exportable Expertise:

- Legal services—full life cycle, advanced technologies & maritime

Company Experience:

We bring a unique level of insight and genuine industry knowledge to our advice and can support our clients proactively wherever they are in the nuclear lifecycle, domestically and internationally. We are experienced in working with organisations who are already involved in the sector and those who are transitioning to nuclear.

Our practice covers insurance, financing, funds, maritime law and regulatory matters. Stephenson Harwood played a pivotal role in supporting the UK advanced modular reactor (AMR) development company U-Battery Limited (UBattery), providing comprehensive strategic legal guidance through the project's early stages and supporting its engagement with the UK Government's AMR Programme.

Our domestic and international services cover the nuclear lifecycle—from site assembly and financing to final decommissioning, and much in between. In addition, we have an excellent track record in advanced nuclear technologies and maritime. The firm has been instrumental in enabling nuclear developments including Hinkley Point C, Sizewell C and Wylfa.

Our lawyers are active in guiding and shaping sector activity, particularly within the supply chain, through key industry associations and fora—including the Nuclear Industry Association, the World Nuclear Association, the International Nuclear Law Association and the Wales Nuclear Forum. Stephenson Harwood is the only law firm member of the Maritime Nuclear Consortium.



Key Contact:

Laurence McCarthy

Project Director

laurence.mccarthy@strabag.com

+44 (0)7974 292 527

Visit:

 strabag.co.uk

 [strabaguk](https://www.linkedin.com/company/strabaguk)

STRABAG UK Ltd is a construction and civil engineering contractor delivering complex infrastructure, ground engineering and building projects across the UK as part of the STRABAG Group. Its integrated delivery model combines specialist engineering, construction logistics, advanced manufacturing and extensive self-delivery capability, providing greater certainty over programme, quality and safety while reducing interface risk. With expertise spanning tunnelling, marine infrastructure, major earthworks and complex civil engineering, STRABAG delivers technically challenging projects in demanding environments, offering clients a single delivery partner with the competence, capability, capacity and experience to deliver major infrastructure successfully.

Exportable Expertise:

- ISO 19443:2022
- ISO 9001:2015
- ISO 45001:2018
- ISO 45003:2021
- ISO 14001:2015
- ISO 50001:2018
- Advanced Manufacturing/ Off-Site Fabrication
- Building construction
- Civil engineering
- Construction logistics & site operations
- Design management & construction delivery
- Drill & blast excavation
- Enabling works & site preparation
- Ground engineering & specialist geotechnical expertise
- Infrastructure programme & project management
- Integrated delivery & supply chain management
- LV / HV transmission & distribution installation & commissioning
- Marine infrastructure & coastal engineering
- Major earthworks & excavation
- Precast concrete production
- Quality Assurance & Quality Management
- Risk Management
- Specialist plant & equipment
- Temporary works engineering
- Tunnelling & underground construction

Company Experience:

STRABAG UK has a proven track record of delivering large, complex infrastructure projects in challenging environments, supported by over 115 years of international engineering expertise and a growing UK presence. Their experience spans major tunnelling, ground engineering, marine infrastructure, advanced manufacturing, logistics and building construction, enabling multidisciplinary project delivery through a single, integrated organisation.

A key differentiator is STRABAG UK's vertically integrated operating model and extensive self-delivery capability. They undertake many critical activities using their own skilled workforce, specialist plant, engineering expertise and manufacturing capability, improving programme certainty, enhancing quality and reducing interface risk. Safe delivery is their highest priority, underpinned by robust governance, industry-leading management systems and a strong safety culture. Their certification to ISO 19443 demonstrates their commitment to internationally recognised quality management standards for the nuclear sector, providing clients with confidence in the consistent delivery of high-quality work.

Their UK portfolio includes nationally significant infrastructure projects such as the Coire Glas Exploratory Tunnel in Scotland, delivered using advanced drill and blast techniques in complex geological conditions, alongside the Woodsmith Project, HS2 London Tunnels, the Haweswater Aqueduct Resilience Programme and an artificial ground freezing trial at Sizewell C supporting preparations for main construction, demonstrating specialist geotechnical capability for complex nuclear enabling works delivery.

Beyond tunnelling, STRABAG UK has extensive experience delivering marine infrastructure, including quay walls, coastal protection and marine off-loading facilities, supported by sophisticated construction logistics for constrained and remote sites. Their advanced manufacturing facility in Hartlepool further strengthens their self-delivery capability through off-site manufacturing and fabrication, improving quality, productivity and programme performance.

By combining specialist engineering expertise with integrated delivery, logistics, manufacturing and construction services, STRABAG UK provides clients with a single delivery partner capable of managing complex infrastructure projects from concept through to completion, reducing delivery risk and improving certainty over programme, cost and quality.



Key Contact:

Dawn Broad

Head of Strategic
Business Development
dawn.broad@studleyltd.com
+44 (0)7720 737 505

Visit:

 studleyltd.com
 [studley-engineering-ltd](https://www.linkedin.com/company/studley-engineering-ltd)

Studley Engineering is a UK-based multi-disciplinary industrial contractor delivering mechanical, electrical, pipework fabrication, welding, scaffolding, maintenance, shutdown and project services. Supporting complex process industries and highly regulated environments, the company combines extensive on-site expertise with a 60,000 sq. ft. segregated engineering workshop in Northwest England.

Studley is actively seeking inward investment and strategic partnerships with overseas organisations requiring a reliable UK engineering base to support manufacturing, industrial operations, maintenance programmes and capital projects.

Exportable Expertise:

- **Mechanical:**
 - Pipework fabrication & fitting
 - Coded welding
 - Steelwork fabrication inc. access platforms & pipe support
 - Maintenance & repairs
 - Tanks & vessels
 - Process skid units
- **EC&I:**
 - Power distribution installation
 - Lighting
 - MV/LV distribution switchboards
 - Instrumentation & control systems
- **Scaffolding:**
 - Design & planning
 - Installation
 - Inspection & maintenance

Company Experience:

Studley Engineering has more than 43 years of experience delivering engineering, maintenance and shutdown services across highly regulated and safety-critical industries, including nuclear, chemical, pharmaceutical, food and beverage, water, and oil and gas. The company has built a strong reputation for supporting complex process environments where operational reliability, quality assurance and workforce safety are paramount.

Studley provides a fully integrated service offering encompassing mechanical and electrical installation, pipework fabrication, coded welding, scaffolding, maintenance support and project delivery. This capability enables clients to engage a single contractor for both planned and reactive works, reducing interfaces and improving project efficiency.

Within the UK nuclear sector, Studley has successfully supported major organisations including Urenco, EDF and Ansaldo Nuclear, delivering specialist engineering services for plant modifications, maintenance activities, outages and infrastructure improvements. The company is experienced in working within stringent regulatory frameworks and applying the high standards of quality, traceability and safety required by the nuclear industry.

Studley's site operations are complemented by a 60,000 sq. ft. segregated engineering workshop in Northwest England, providing dedicated facilities for fabrication, assembly and testing. This capability allows projects to be manufactured and prepared off-site before installation, helping to reduce programme risk, minimise disruption to operational facilities and improve project delivery certainty.

The company's multidisciplinary workforce regularly supports both day-to-day maintenance requirements and major shutdown programmes, helping clients maximise plant availability and operational performance. Through its combination of engineering expertise, flexible delivery model and established track record across critical national infrastructure, Studley Engineering is well positioned to support international companies seeking a trusted UK partner for industrial engineering projects, long-term maintenance programmes and market entry opportunities.



Key Contact:

Ian McKinley

Business Development Manager

ian.mckinley@studsvik.com

+44 (0)7798 711 672

Visit:

 studsvik.com

 [studsvik](https://www.linkedin.com/company/studsvik)

Studsvik is present in the UK as part of the larger Swedish group, Studsvik AB. Studsvik provide a range of offerings to global nuclear markets in the areas of nuclear fuel and materials technology; waste management, decommissioning and radiation protection; nuclear simulation software; isotopes; EBS — segmentation, drilling, sawing, cutting, milling and compaction for extreme environments; BlackStarTech® — resilient solutions for targeted power, lighting, and communications. Studsvik / Kärnfull Next develops sites and early-stage projects for small modular reactors (SMRs) in the Nordic region.

Exportable Expertise:

- Fuel Qualification, Plant Life Management, Hot Cell Technology, Final Storage Research, Transport of Irradiated Materials
- Problematic Waste Treatment, inDRUM, Fluidized Bed Steam Reforming (FBSR), Freeze-Tec, Waste route optimization management, Radioactive Metal Treatment
- Decontamination, Dismantling & Disposal, Radiation Protection, Engineering & Clearance
- Isotopes for a range of medical & industrial applications
- Studsvik Scandpower licensing-grade software & engineering services to support operating utilities, fuel vendors, safety authorities, next-generation reactor developers, & research organizations
- BlackStarTech Solutions — Lightworks® iSentient Emergency Light Packs, FireSight® Robotic Fire Watch, Beacon® Private Broadband 4G/5G LTE, Genesis® Emergency Power Systems, QuantumCore® Battery and UPS Power Systems

Company Experience:

Studsvik have 80 years of technology and radiological services experience and operate across the UK, Sweden and other international markets.

We are a global player and our 500+ employees support customers world-wide across the whole nuclear fuel cycle. We attract the best, highly-skilled people in the business who are experts in their fields. Value is created for our customers through advanced engineering and consultancy, fuel and materials testing, fuel and reactor management software as well as lifecycle management of nuclear and radioactive hazards, decommissioning of nuclear facilities and designing radioactive waste management processes. When working with our customers, we challenge them to think differently and support them towards the long-term goal of delivering reliable and more sustainable energy to the growing population of the world.

Studsvik has been involved in Fusion and big science projects since the early eighties. Mechanical testing, corrosion studies, metal release/deposition along with the associated advanced microscopy and PIE are all offered from the Studsvik nuclear licensed facility.

With the acquisition of pioneering small modular reactor (SMR) project developer Kärnfull Next 2026, Studsvik has established itself as one of the most active private-sector players in new nuclear development.



Key Contact:

Dr Ian Hudson

Head of TerraPower UK

ihudson@terrapower.com

+44 (0)7725 261 067

Visit:

 terrapower.com

 [@terrapower](https://twitter.com/terrapower)

 [terrapower](https://www.linkedin.com/company/terrapower)

TerraPower are a nuclear innovation company developing advanced reactor technologies with a focus on safer, cleaner and more flexible energy generation. Their work centres on advanced nuclear design, including sodium-cooled reactor technology and associated energy systems.

Exportable Expertise:

- Advanced reactor development
- Nuclear innovation
- SMR and advanced nuclear technologies
- Reactor design
- Energy systems development
- Nuclear commercialization support

Company Experience:

TerraPower are advancing next-generation nuclear technologies and are widely recognised for their role in the development of the Natrium reactor programme. They combine reactor design, energy storage and power system concepts to support flexible clean power generation, and they have attracted significant investment and industry attention as a leader in advanced nuclear.



Key Contact:

Joseph Green
Chief Nuclear Officer
josephgreen@thermalengint.com
+44 (0)7780 447 880

Visit:

 babcockpower.com
 [babcock-power](https://www.linkedin.com/company/babcock-power)

Thermal Engineering International UK Ltd ("TEi") are a leading global supplier of new and replacement heat transfer equipment to the nuclear power industry. A subsidiary of Babcock Power Inc. which delivers unmatched expertise across the energy spectrum with 10 strategically assembled business units, each serving unique needs for energy companies.

TEi provides integrated engineering, procurement, manufacturing, R&D, installation, inspection and service support for both turbine and nuclear island heat exchangers. Offices in UK, USA, India, Thailand, Philippines, Indonesia and Kingdom of Saudi Arabia.

Exportable Expertise:

- Nuclear & Turbine Island Heat transfer equipment
- Moisture separator reheaters
- Steam surface condensers
- Feedwater heaters
- ASME S-III N, NPT, NS, NA Certifications
- ASME Section I S & Section V-III U, U2 & National Board R repair accreditations
- ISO-9001, ASME S-III & USA 10CFR50 Appendix B Quality Programmes
- Engineering & manufacturing
- Installation & inspection
- Service & replacement parts

Company Experience:

Thermal Engineering International have supported the global nuclear power industry since 1956. Their offer covers fully integrated engineering through to service, and they supply both new-build and replacement equipment — large and small. Their products include turbine island condensers, feedwater heaters and moisture separator reheaters along with a variety of safety-related nuclear island heat exchangers. Over 148

TEi MSR vessels and 650 TEi feedwater heaters have been fabricated and installed in nuclear plants globally. A global leader in efficiently addressing heat exchanger uprate, upgrade and life extension needs. Original manufacturer of EBR-II and FFTF equipment, TEi is currently supporting multiple micro, small and advanced reactor developers with their heat exchange needs.



Key Contact:

Stefan Cecchini

Business Development

stefan.cecchini@turnbulluk.co.uk

+44 (0)7385 526 235

Visit:

 turnbulluk.co.uk

 turnbull-infrastructure-and-utilities

Turnbull Infrastructure & Utilities Ltd delivers specialist infrastructure services integrating design, build, operation, and maintenance solutions across the nuclear, utilities and infrastructure sectors. With heritage in the water and wastewater industry and extensive experience supporting major nuclear programmes, including Hinkley Point A & C and Sizewell C, Turnbull provides end-to-end lifecycle capability for critical assets and infrastructure. As part of YTL Construction, the company combines proven engineering expertise with a strong safety culture, regulatory compliance, and sustainable delivery practices. Our collaborative approach and technical excellence enable clients to achieve safe, efficient, and cost-effective outcomes throughout the entire asset lifecycle.

Exportable Expertise:

Design & Build (Project Delivery)
The Project Delivery Team offers an end-to-end service, from initial concept to design & build and final handover of assets. Specialized delivery areas include utilities and civil engineering incorporating:

- IT&T communications
- Potable water
- Electrical networks (LV & HV)
- Waste network
- Contaminated ground remediation
- Steel frame buildings & temporary office buildings
- Roads & networks projects
- An in-house design team supports clients through all design stages

Operate & Maintain (O&M) Turnbull ensures that assets function safely, reliably, and efficiently:

- **Water Management & Treatment:** Operating customer networks & assets (surface & ground water) to exceed regulatory requirements
- The Water Treatment Team maintains process and waste networks, with over 30 years' combined team experience
- **Electrical, Mechanical & Instrument (EM&I):** Responsible for planned preventative maintenance (PPM) of site assets
- **Scientific Services & Environmental Consents:** Providing environmental liaison, monitoring expertise, instrumentation maintenance, & environmental sampling to ensure regulatory conditions are met
- **Slope Monitoring** Provided in conjunction with excavations & dewatering to ensure a safe working environment

Company Experience:

Turnbull Infrastructure & Utilities Ltd has extensive experience supporting major nuclear new build projects, with a long-standing role in the delivery, operation, and maintenance of critical temporary and permanent infrastructure at Hinkley Point A & C and Sizewell C. Our integrated Design, Build, Operate and Maintain model enables us to provide clients with a single-source solution across utilities, civil, mechanical, electrical, and environmental disciplines.

Our nuclear capability includes the design, construction, commissioning and operation of potable water storage and distribution systems; management of industrial and non-potable water networks; surface water management and environmental compliance; high and low voltage electrical distribution networks; electrical maintenance and infrastructure services; dewatering operations; and critical utility support services. These activities are delivered within highly regulated environments, requiring strict adherence to safety, quality, environmental and operational standards.

Key project examples include the delivery of a site-wide potable water storage and distribution system supporting workforce welfare and construction activities across Hinkley Point C, from design and commissioning through to ongoing operation and maintenance. Turnbull has also installed and commissioned major high-voltage ring main infrastructure, delivering enhanced resilience and reliable power supplies across the site. Our specialist electrical teams continue to operate and maintain the 11kV HV and LV networks, substations, standby generation and associated electrical assets critical to construction delivery. Alongside these services, we manage water management zones and surface water treatment infrastructure that ensure environmental permit compliance and sustainable site operations.

Through these projects, Turnbull has demonstrated the capability to safely deliver complex utility and infrastructure solutions that support the successful development of one of Europe's largest nuclear construction programmes.



Key Contact:

Dr Carlos de la Fontaine

Nuclear Strategy & Fuels

nt.commercial.uk@tuvsud.com

+44 (0)7469 417 202

Visit:

 tuvsud.com

 [tuvsud](https://www.linkedin.com/company/tuvsud)

TÜV SÜD provides independent technical support across the nuclear lifecycle helping operators, regulators, and manufacturers maintain safety, quality, and regulatory compliance. We deliver technical and strategic assurance throughout all project phases, from planning and design to operations and decommissioning.

Our technology and delivery independent approach enables objective assessment, whilst our regulatory expertise ensures innovative solutions including SMRs, AMRs, and fusion technologies, are considered against applicable international safety standards.

Exportable Expertise:

- Safety Assessments
- Regulatory & Compliance Support
- Technical Consulting & Assurance
- Equipment Qualification
- Nuclear Safety & Security Advisory
- Waste & Decommissioning Management
- Nuclear Fuel Cycle
- Nuclear Fuel Manufacturing: Technical Assurance & Operational Excellence.
- Shielding & Criticality
- ISO 19443 certification
- Testing, Inspection & Certification
- Risk Management & Safety Analysis
- Training & Development
- Global Regulatory Expertise

Company Experience:

As a central convenor across the nuclear ecosystem, TÜV SÜD connects government and industry to support informed decision-making, risk management, regulatory compliance, and robust, evidence-based programme delivery across nuclear.

TÜV SÜD has supported the nuclear sector for more than 25 years providing independent technical, safety and assurance services to clients across the UK and internationally. With extensive experience across the full nuclear lifecycle, TÜV SÜD works with governments, regulators, developers and operators to deliver safe, sustainable and commercially viable nuclear programmes spanning civil nuclear, new build, defence, research, and medical sectors. TÜV SÜD also supports the wider nuclear supply chain through compliance, quality assurance and regulatory advisory services, helping organisations meet the highest standards of safety and performance.

In the UK, TÜV SÜD was Assurance Partner for Horizon Nuclear Power, providing independent assurance and technical oversight to support major new nuclear developments. TÜV SÜD has also supported ONR through the Technical Services Framework, leading the Atlas Consortium to supply specialist expertise to strengthen regulatory decision-making and nuclear safety oversight.

TÜV SÜD continues to play a key role in the future nuclear landscape, acting as Foundations Engineer for GBE-N and supporting the deployment of next-generation nuclear technologies. Internationally, the company is supporting advancements in many innovative SMR nuclear projects in line with international best practice and regulatory expectations.

TÜV SÜD has significant expertise in advanced reactor and fusion technologies, including undertaking independent reviews of AMR technology that provide technical assurance for regulators, investors or continued progression of the developing technology. As well as supporting the advancement of fusion with STEP through the waste & environmental framework.

TÜV SÜD provides strategic advice through the NDA Strategic Advisory Framework and the UK DESNZ Radionuclides Programme, helping to shape policy, waste management strategies. Through these programmes, TÜV SÜD helps shape future nuclear policy, waste management strategies and environmental protection approaches, reinforcing its position as a trusted partner across the global nuclear industry.

Key Contact:

Kevin Shepherd

Supply Chain

k.j.shepherd@sheffield.ac.uk

+44 (0)7519 661 201

Visit:

 amrc.co.uk

 [amrc](#)

We are the University of Sheffield's Nuclear Advanced Manufacturing Research Centre, part of the High Value Manufacturing Catapult, helping UK companies win work in civil nuclear and other low-carbon manufacturing sectors. We work with manufacturers on machining, welding, cladding, near-net shape manufacturing, metrology and simulation, and we can assist with advice and help to achieve nuclear codes, standards and accreditations help firms prepare for the sector. Our supply chain team can help businesses navigate the sector and assist with building supply chain resilience, capacity and capability to meet the needs of the sector.

Exportable Expertise:

- Process innovation using the latest manufacturing techniques required for the nuclear supply chain
- Manufacturing process development
- Machining & advanced machining
- Welding & cladding
- Metrology & inspection
- Simulation & digital manufacturing
- Supplier readiness & sector qualification
- Help understanding & achieving nuclear codes, standards & accreditations from ISO19443 to ASME
- Understanding the nuclear supply chain map & international opportunities

Company Experience:

We support manufacturers of all sizes to compete for work in civil nuclear and other high-value low-carbon sectors.

Our work focuses on helping companies improve their processes, qualify for nuclear supply chains and adopt advanced manufacturing techniques. We also support collaborative R&D and industrial innovation, helping bridge the gap between academic research and practical manufacturing delivery.



Key Contact:

Stephen Hickey

Programme Manager

steven.hickey@veolia.com

+44 (0)7908 773 997

Visit:



nuclearsolutions.veolia.com



veolia-nuclear-solutions

Veolia Nuclear Solutions (UK) Limited delivers specialist remote handling, robotics and deployable systems for nuclear and hazardous environments. We combine specialist expertise, innovative technologies and operational experience to develop practical solutions that improve safety, performance and operational outcomes. Our core expertise includes remote handling, robotics and bespoke engineering systems, supported by growing capability in effluent treatment, waste conditioning and nuclear measurement and characterisation. As part of Veolia's wider Nuclear Solutions business, we combine specialist UK capability with international experience, global reach and wider nuclear delivery capability.

Exportable Expertise:

- Remote handling & teleoperation
- Robotics & robotic manipulation
- Bespoke machinery & engineered handling systems
- Digital twins, simulation & engineering validation
- Design, prototyping, testing & mock-up facilities
- Remote intervention & retrieval systems
- Nuclear measurement & characterisation
- Effluent treatment systems
- Waste conditioning technologies
- Engineering, controls & technology deployment

Company Experience:

Veolia's Nuclear Solutions business in the UK has more than 25 years of remote handling and engineering experience originating from the UKAEA JET fusion programme. Today, the business designs and deploys practical engineering and technology solutions for some of the nuclear industry's most demanding operational environments.

Our capability spans concept and engineering, manufacture and assembly, testing and validation, installation and deployment, and operational support.

Our experience includes the development and deployment of robotic systems at Fukushima Daiichi supporting investigation and future fuel-debris retrieval activities; remote handling systems supporting waste retrieval at Sellafield; and advanced robotics and autonomous systems developed with UKAEA for future fusion environments.

Our engineering approach is focused on deployment and operational reliability. We combine digital twins and simulation with purpose-built assembly and test facilities and full-scale physical mock-ups to develop, validate and prove solutions before they enter demanding nuclear environments. Recovery and maintainability are considered from the outset, helping ensure systems remain practical and resilient in demanding operating environments.

The UK business is technology-agnostic, selecting and integrating the most appropriate technologies for each application rather than being tied to a single platform or supplier. Alongside our core remote handling, robotics and bespoke machinery expertise, we are strengthening capability in effluent treatment, waste conditioning and nuclear measurement and characterisation.

As part of Veolia's wider Nuclear Solutions organisation, we also draw on international operational experience and wider waste-management and project-delivery capability to support integrated nuclear programmes.



Key Contact:

Andrew Branthwaite

Director

andrew.branthwaite@westlakes.co.uk

+44 (0)1946 595 550

Visit:

 westlakes.co.uk

 [westlakes-engineering](https://www.linkedin.com/company/westlakes-engineering)

Since forming in 2004, Westlakes Engineering Limited has provided Civil and Structural Design Consultancy services to the UK nuclear market from their offices in Preston, and their head office in Cleator Moor, Cumbria. As of 2015 Westlakes developed their service provision by offering in-service and pre-use checks on theme park attractions worldwide, which along with their property team work out of Manchester. Westlakes have also begun providing civil design for projects in the Water Industry. Our purpose is 'Engineering with Integrity' and our values are 'People First', Open to Possibilities, Transparent, Collaborative & Building a Legacy.

Exportable Expertise:

- Civil engineering
- Structural engineering
- Geotechnical
- Architectural
- Geo-Environmental & contaminated land engineering
- Building Surveying
- GIS, BIM & 3D modelling
- Civil & Structural Support to safety Case
- Temporary Works
- Flood risk assessment
- Support to contractors on site
- Design Management
- Attraction safety (rides & giant wheels)
- Nuclear decommissioning

Company Experience:

Westlakes Engineering has over 20 years experience of providing Civil & Structural design and assessment services to the nuclear decommissioning industry. Whilst they have serviced the majority nuclear sites throughout the UK, they have predominantly delivered their work at Sellafield, which features the most hazardous building in Western Europe. They have experience of delivering cost-effective, innovative and safe solutions tailored to client needs and carry out work throughout the project life cycle from early optioneering and feasibility through to concept, detail design, production of fabrication drawings, site support and Development of As-Built records.

Westlakes Engineering have worked directly for the main nuclear clients, been a sub-contractor to a larger organisation or by collaborating with other like minded Small, Medium Enterprises (SMEs) to provide a multi-disciplinary.

Westlakes Engineering is also effective when working alongside a contractor to offer the equivalent of a design and build service, ensuring a safe right first-time solution. Westlakes Engineering recognises the importance of providing the design as an enabler for the site works to commence safely and pragmatically.

Example projects include:

- The early innovative scheme for the demolition of the Pile 1 Chimney at Sellafield,
- The structural assessment of the demolition of the worlds first nuclear turbine Hall at Calder Hall,
- Design and site support of a low-level waste repository vault at Drigg.

Westlakes Engineering have held positions directly or as part of a team on some significant UK nuclear frameworks:

- The Decommissioning Delivery Partnership, Sellafield
- The Enabling Innovation Framework, Sellafield
- Technical Services Framework, Office for Nuclear Regulation
- Technical and Professional Services Support Framework, Dounreay

Westlakes Engineering have also diversified outside of nuclear and into other industry, providing civil design work to the UK water industry and offering in-service and pre-use checks to the theme park industry worldwide.

WHITE & CASE

Key Contact:

Simon Stuttaford

Partner

simon.stuttford@whitecase.com

+44 (0)207 532 1266

Visit:

 whitecase.com

 [white-&-case](https://www.linkedin.com/company/white-&-case)

White & Case is a global law firm advising governments, sponsors, developers, operators, investors, utilities and suppliers on complex legal, commercial and regulatory matters across global energy markets.

Combining on-the-ground experience with cross-border integration and the depth of local, US and English-qualified lawyers, White & Case delivers integrated advice across the full spectrum of energy assets, technologies and market participants. Our specialist nuclear team, backed by our Firm's 70 years of broader energy industry experience, supports clients on complex domestic and multijurisdictional matters.

Exportable Expertise:

- Claims Management
- Corporate Governance
- Decommissioning
- Domestic & International Frameworks
- EPC & Supply Chain Arrangements
- Export Controls
- Financing Arrangements
- Foreign Investment Control
- Fuel Processing & Supply
- Government Support Mechanisms
- Indemnity & Insurance Arrangements
- International & Domestic Liability Regimes
- Joint Ventures
- Licensing
- Litigation & Arbitration
- M&A
- Mining
- Nuclear Development Strategies, Tendering & Contracting
- Permitting
- Plant Operation & Lifetime Extension
- Project Structuring
- Regulatory Obligations
- Risk Analysis, Allocation & Interface with Contractual Frameworks
- Sanctions
- Strategic Investments
- Waste Management

Company Experience:

White & Case is a leading global law firm advising clients worldwide across the nuclear fuel cycle and project life cycle. We support key industry participants on legal, financial, regulatory and commercial matters, bringing deep insight into nuclear's evolving role in global energy security and a low-carbon future.

Our Firm advises governments, sponsors, developers, operators, licensees, investors, utilities, suppliers and contractors in established, developing and newcomer nuclear markets. Its dedicated nuclear team brings longstanding experience across large-scale reactor programmes, small modular reactors and fuel-cycle infrastructure, from uranium supply and enrichment to decommissioning and waste management.

White & Case's experience across projects, financing, transactions, regulation, trade and disputes provides a wide-ranging perspective on the issues influencing nuclear programmes. The team supports clients on regulatory and licensing strategy, public and private funding structures, procurement and delivery models, contractual risk allocation, supply security and international trade controls.

Through the team's co-leadership of the European Industrial Alliance on SMRs group assessing financing challenges for SMRs in the EU, its chair and co-chair roles in the World Nuclear Association and International Nuclear Law Association, respectively, and contributions to specialist working groups across leading nuclear organisations, White & Case provides practical insight into the regulatory frameworks, technology standards and commercial models emerging around SMR deployment and advanced nuclear technologies.



Key Contact:

Ollie Stilgoe

HPC Director/Deputy Director Nuclear

ollie.stilgoe@wilsonjames.co.uk

+44 (0)7701 214 885

Visit:

 wilsonjames.co.uk

 [wilson-james](https://www.linkedin.com/company/wilson-james)

Wilson James is a UK-headquartered specialist in construction logistics, supply-chain coordination and the management of complex, regulated environments. For over 35 years, we have planned, mobilised and operated solutions that improve safety, productivity and control from warehouse to workplace. Our nuclear capability spans logistics strategy and design, consolidation and warehousing, transport and final-mile delivery, digital control-tower technology, project controls and construction support services.

Proven at Hinkley Point C and Sizewell C, our scalable model improves schedule and delivery certainty through coherent, resilient supply chains, risk and interface management, and data-led decision support - supporting repeatable, scalable nuclear programmes.

Exportable Expertise:

- Logistics strategy, solution design & mobilisation
- End-to-end integration & local supply-chain development
- Consolidation centres, warehousing & inventory control
- Transport, materials management and final-mile delivery, bespoke Wilson James DMS platform & asset tracking
- Digital control tower, analytics & asset tracking
- PMO, governance & project controls
- Construction support & building management services
- Secure-site operations & workforce logistics
- Nuclear safety culture, regulatory assurance & sustainable delivery
- Warehousing & inventory management, including care & maintenance planning

Company Experience:

At Hinkley Point C, Wilson James delivers integrated logistics and site-support services, as a Tier 1 contractor. These include strategic planning, PMO and Tier 1 governance, a digital Control Tower, final-mile logistics, plant and fleet coordination, construction support and building management. We coordinate material movement, storage and delivery across secure and non-secure routes, maintain auditable records and manage interfaces from site compounds to final delivery points. This supports nuclear safety culture and compliance with relevant site and ONR licence-condition requirements, including LC6 and LC8, while allowing construction partners to focus on installation.

Wilson James has also been selected as Lead Logistics Partner for Sizewell C. Building on lessons learned at Hinkley Point C, we are developing and will execute a repeatable end-to-end operating model covering supply-chain design, warehousing, transport and distribution, on-site logistics, IT systems, maintenance, control-tower capability and programme governance together with best-in-class partners. The model combines national and international reach with local supply-chain development, skills investment and sustainable delivery.

Our wider experience includes AWE and more than 18 years supporting construction at Heathrow Airport, including as Tier 1 Logistics Integrator in a live, security-critical environment. We transfer proven approaches to consolidation, constrained-site logistics, stakeholder coordination, digital visibility and operational assurance into nuclear programmes. Wilson James can support clients from early planning and design through mobilisation, live operations and continuous improvement.

The NIA is the trade association for the civil nuclear industry in the UK. The NIA represents more than 340 companies across the supply chain. The diversity of NIA membership enables effective and constructive industry-wide interaction.