



Nicholas Morris, CEng IMechE Key Account Manager, ASSYSTEM

Candidature
for NBG Chair

I am a 31-year-old Chartered Mechanical Engineer with 9 years' experience working in the International Nuclear New Build sector. Bilingual English-French. After 5 years spent working with EDF ENERGY NNB as the System Engineer on FA3 and HPC for the Primary and Secondary Nuclear Sampling Systems, I joined Assystem in 2016, for whom I work today.

As Project Lead for the internally funded "SMR Innovations" Project, I led a FR UK team of 10, the results of which were presented at the World Nuclear Exhibition and were the pre-cursor to Assystem's decision to invest in the Rolls-Royce SMR Consortium as a Tier-1 partner.

In 2018, I became BD Manager for the EDF NNB GenCo Account, creating a £10M business in the UK in 24 months.



In parallel to my professional activities:

- I am Co-founder and President of the Spark! Contest (entering its sixth edition) the first Franco-British Energy Industry award, uniting today's leaders of the clean energy sector with those of tomorrow.
- I am a Member for the IMechE "Groupe France" Committee



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MY VISION



1. Support replication and advocate knowledge sharing between projects to deliver UK NNB ambition. Nuclear New Build (NNB) is beginning to gain good traction in the UK, and is underpinned by HMG's Nuclear Sector Deal. Despite this, notable challenges to its success. By advocating the sharing of knowledge and learning, focusing upon the principle of replication, the NIA could have a hand in helping the UK to deliver up to 6 EPRs, a fleet of SMRs and an HMG decision on how to best take forward the development of the Wylfa new build site.

2. Further integrate with International New Build. The potential of a Hard Brexit and its consequential impact on UK NNB to keep encouraging new talent, companies and investment to support the development of our projects should not be underestimated. I would advocate for the creation of a working group (should this not already exist) to focus on mitigating the impacts of such a scenario, working in collaboration with European and International New Build groups akin to the NIA, as well as COGENT, NIRO and the efforts of groups such as the NEA.

3. Stronger collaboration and targeting of the younger demographic. I would seek to encourage members to create a buddy or mentoring system, in turn developing a younger demographic and introducing a long-term continuity of the NIA and its ambitions. It would also permit the introduction of different ideas and thinking to the Group, and introduce a greater visibility and sense of accessibility to the NIA, its personnel and its mission.

4. Strengthen collaboration with other international groups and events: The European Nuclear Young Generation Forum (ENYGF) 2021 will be in Taragona, Spain. France has the SFEN and the equivalent YG network. I would run pilot insight sessions about the successes and challenges of such international events/groups and understand how the NIA can learn from these to positively influence the delivery and progress of its respective programmes.

5. Accessibility (and recognising ongoing COVID impact) – make it easier to attend NIA events through a mix of larger hosted meetings and more focused digital side meetings to encourage more detailed conversations for more specialist interest groups. This will support Continued Professional Development (CPD) and the provide certification opportunities for those pursuing chartership.



SHORT ACTIVITY SCHEDULE

Brexit 2021: Deliver an event to analyse the implications post Brexit in 2021 on the NNB sector.

RAB Model for Nuclear: In anticipation of SZC's Final Investment Decision (FID), a bespoke RAB Model presentation and its applicability to the rest of the NNB sector would be of interest, to understand its greater implications for the NNB sector.

UK SMR Phase 2: Presentation of the progress of the UK SMR Project and the preparation for Phase 2, its partners and the Project's objectives.

Green hydrogen production from NNB: Presentation of the technology choices linked to the green production of hydrogen from nuclear. Potential collaboration with the IAEA and its 'Hydrogen Economic Evaluation Program (HEEP)'.

Digital Workshop: The successful delivery of UK NNB in the future will be dependent upon the use of system engineering and digital solutions. Indeed, digital is one of the fundamental success factors needed for producing replication and a fleet effect.