By the end of 2030, 65% of the UK’s electricity capacity will have closed, including all but one of our current fleet of nuclear stations. As a result the UK urgently needs to invest in new energy infrastructure.

Hinkley Point C will be the UK’s first new nuclear power station for a generation and is paving the way for a comprehensive 16GW new build programme of low carbon, secure and reliable electricity from nuclear for the future. Nuclear power is an essential part of the UK’s energy mix because it generates low carbon, baseload electricity which is required to supplement intermittent renewables. Nuclear’s continuous generation also reduces the UK’s dependence on energy imports, providing the energy security needed to keep the lights on.

Hinkley Point C will generate enough low carbon electricity for more than five millions homes and will create 25,000 new jobs throughout construction. The project in Somerset will strengthen the UK’s nuclear supply chain and reaffirm the UK as a leading nuclear nation.

**HINKLEY POINT C BY NUMBERS**

- 7% of UK electricity generation
- Enough low carbon energy to power more than five million homes
- £100 million per annum to local economy
- Equivalent to around two and a quarter million return flights from London to Sydney
- 1,000 new apprenticeships during construction
- 60% project construction value predicted to go to UK companies
- 9 million tonnes of CO₂ avoided annually
- 25,000 new employment opportunities created during construction

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*Image Description:*

- A construction site with heavy machinery and a building under development.
- The image represents the construction progress at Hinkley Point C.

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*Note:* The information provided is a summary of the key points from the briefing paper on Hinkley Point C. For more detailed information, please refer to the full briefing paper.
WHAT ARE THE COSTS INVOLVED?

The strike price for electricity generated at Hinkley Point C is £92.50/MWh. If Sizewell C goes ahead, the strike price for Hinkley will fall to £89.50/MWh.

The strike price issued for Hinkley provides certainty for investors, and protects consumers from fluctuating energy prices.

The strike price includes the eventual cost of all decommissioning associated with the station.

Taxpayers are not funding Hinkley Point C or taking construction risk, and consumers pay nothing until electricity is produced.

KEY FACTS

Supply Chain

60% of Hinkley Point C project's construction value is to be placed with UK companies

Preferred bidders for contracts worth a total of £1.5 billion have already been announced

In the South West, £225 million worth of contracts have been announced

EDF Energy will invest £14 million in education and training

25,000 new jobs will be created including 1,000 apprenticeships

Technology

The European Pressurised Reactor (EPR) design is based on proven reactor technology

The EPR is the only reactor to have currently passed through the independent regulator's Generic Design Assessment process

EDF has used new 4D technology to plan the final design and learnt from the construction of Flamanville

There has been more than 4.7 million hours of engineering time devoted to finalising the design

Developers

Hinkley Point C will be delivered by EDF Group and China General Nuclear (CGN)

Building on a Partnership which began more than 30 years ago

China is a global leader in nuclear power with 34 nuclear power reactors in operation and 20 under construction

EDF has extensive experience in new nuclear and operate 58 reactors in France

Safety

Safety is the overriding priority for construction of Hinkley Point C

The Office for Nuclear Regulation and the Environment Agency are the most robust independent nuclear regulators in the world

All nuclear operators in the UK must work within its strict regulatory framework

All images courtesy of EDF Energy — edfenergy.com/nuclear-new-build-projects/hinkley-point-c