

A WORLD-LEADING NUCLEAR ECOSYSTEM

The UK's South West offers first-class opportunities for nuclear deployment, supply chain and clean energy investment. The Hinkley Point C project has created an unrivalled nuclear ecosystem and the region is now poised to support nuclear projects within the region and across the world to deliver at pace and with lower risk.

Nuclear Deployment and Supply Chain Opportunity

UK Governments have consistently supported the growth of nuclear deployments and this has now led into the greatest potential for nuclear expansion in two generations. Small and Advanced Modular Reactors (collectively known as Advanced Nuclear Technologies) are now embedded into the UK's nuclear future. In the longer term a fusion future is also predicted to emerge.

Great British Energy - Nuclear is tasked by the Government to deliver a new fleet of reactors to the UK, with Small Modular Reactors being the current priority.

Concurrently, policy developments in nuclear siting and regulation, and in sectors such as hydrogen, aviation, shipping, and district heating present unique opportunities for expansive nuclear sector growth, particularly in the South West.

The Great South West, with current nuclear licensed sites, pre-existing skills and capability, provides a major head

start to nuclear projects seeking rapid and lower risk deployment in a region where the public are already familiar with hosting nuclear facilities.

The proven experience of delivering Hinkley Point C, the first UK new nuclear reactor in a generation, demonstrates the region's readiness to deliver further projects and programmes in alignment with growing demand from energy users that need low-carbon energy.

Clean energy parks and campuses across the South West already host the UK's most innovative industries including data centres and artificial intelligence, battery manufacture and hydrogen production with many more projects in flight.

For the supply chain, the South West already represents the largest combined capability in the UK and a national asset to support other UK and international projects from within a supportive community of like minded, capable organisations.



Great South West



UK Nuclear Siting and Industrial Applications

The UK is introducing new nuclear siting policy that can make available more sites for new nuclear power stations. This updates the previous policy, enhancing the opportunity to bring low-carbon energy projects nearer to the centres of industrial energy demand in support of long-term, sustained economic growth underpinned by a clean energy transition.

The new policy will require the same safeguards and siting considerations as under the current regime to maintain alignment with a robust and proven regulatory framework. This ensures that only the most suitable locations will be used for nuclear construction to maximise opportunity and minimise risks.

This growth can now include applications beyond electricity and the UK Government now guarantees that products such as low-carbon hydrogen, sustainable aviation fuel, e-diesel and other low-carbon fuels can be produced by nuclear energy and be treated the same as those produced with renewable energy creating strong policy alignment between the pull of energy users and the drive of nuclear fleet deployment.

Regional Opportunity and Growth

The UK nuclear sector contributes £7billion to the economy and employs over 70,000 people, many in the South West through Hinkley Point C.

The region is accustomed to nuclear power and has supported nuclear generation since 1957. The Hinkley Point B power station has added more than £15.3billion Gross Value Added during operation realised as regional economic benefit, good jobs and economic opportunities for the businesses that thrive there.

The region's heritage extends to advanced technologies including the Dragon High Temperature Gas Reactor, one

About Nuclear South West: Our Mission and Aim

Nuclear South West is a public-private partnership of industry, academic and the public sector, established to champion the South West nuclear industry as the premier destination for investment, innovation and growth.

Our mission is to position the South West nuclear industry at the centre of the global nuclear arena, by driving productivity and growth. Ensuring that the South West is recognised for its capability in the nuclear industry, is able to grow that ability, and that businesses in the region

of many advanced test reactors at Winfrith, anchoring the region as a historical leader in new nuclear innovation. The Berkeley National Laboratories were previously world leading in their research and capability.

The opportunity is to rekindle the historical leadership to enable new nuclear projects at pace, providing commercial opportunities and emissions reduction.

The supply chain and skills in the region have emerged over decades with tens of millions of pounds of pre-existing investment providing a highly capable and competent base from which developers and nuclear operators of the future can benefit.

The supportive ecosystem and proximity to advanced nuclear projects presents an ideal opportunity for businesses located in the region to become world-leading through exporting products and services around the world following the demonstration of capability from industrial bases across the South West.

The Great South West Ecosystem

Existing nuclear licensed sites with defence, new-build and decommissioning nuclear activities position the Great South West as one of the UK's most capable nuclear regions. These locations, alongside the Hinkley Point C development, have enabled the region to create a full spectrum nuclear ecosystem to support Small and Advanced Modular Reactor deployments, locally and across the UK.

The ecosystem provides for the through-life requirements of modern nuclear projects and includes training centres, supply chain companies, regional leadership groups, public and stakeholder engagement activities, nuclear-specific capabilities and the required transport links and infrastructure.

achieve a large percentage of the work coming from the opportunities in the nuclear industry over the next 20 years

We can support your business, whether you are already in the region and looking to maximise opportunities in the nuclear supply chain, or you are looking to establish an operation here in South West England. Nuclear South West can help by connecting you to opportunities and support programmes, signposting information and offering practical help through events, connection and activities.



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