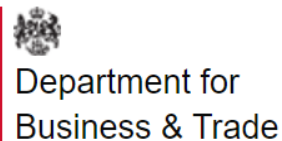




Welcome to Nuclear South West

# About Nuclear South West

- Partnership of industry, academia and government organisations
- Champions the South West nuclear industry
- Single point of entry to the SW Nuclear Eco-system
- Premier destination for investment, innovation and growth
- Expertise in New Build – Decommissioning
- 6 civil nuclear licensed sites



# The size of the opportunity.

- Live nuclear opportunities across new build, decom, nuclear defence, and emerging new technologies
- Live opportunities within new build right now circa £50m+
- The highest density of licensed nuclear sites in the UK
- World class expertise in nuclear research
- Centres of Excellence in nuclear accredited skills programmes
- Local government support, dedicated enterprise zones and innovation centres

# Nuclear industry in the South West



# Hinkley Supply Chain

A separate, dedicated **Hinkley Supply Chain team**, is delivered by Somerset Chamber of Commerce in partnership with EDF. The supply chain team works with HPC's main contractors to understand and support their work and identifies opportunities for local suppliers to ensure they benefit from the legacy of the project.

Companies interested in Hinkley contracts should register on the Supply Chain:

[www.hinkleysupplychain.co.uk](http://www.hinkleysupplychain.co.uk).

For more information email: [info@hinkleysupplychain.co.uk](mailto:info@hinkleysupplychain.co.uk).





# Research & development in the South West

- South West Nuclear Hub – research network with a focus on nuclear innovation, research and teaching
- Bristol Robotics Laboratory - on-going research into the use of autonomous systems such as Unmanned Air Vehicles, pipe crawlers and under water Remotely Operated Vehicles
- National Composites Centre - research into novel composite materials relevant to nuclear applications
- National Nuclear Laboratory - R&D office at Stonehouse, which focuses on 'Station Chemistry and Corrosion' and 'Graphite Technology'



South West Nuclear Hub

# Leading capabilities in design

## EPR Design Centre

The EDF-led UK EPR Design Centre is playing a vital part in the delivery of Britain's ambition to fight climate change and reach Net Zero emissions. Bringing together a number of supply and engineering firms including EDF, Edvance, Framatome UK, Atkins, Jacobs, Assystem, Anotech and Vulcain.



*"The UK EPR Design Centre creates a collaborative environment with key strategic partners to grow the UK's design engineering long term capability and skills. We are bringing together a diverse group of people with the right skills and experience of the UK context and global nuclear industry which will help us as we move into the next phases of construction at Hinkley Point C and look ahead to replicate not only the design, but also the learnings, at Sizewell."*

*Tilly Spencer, Director of Edvance UK*



# Skills & Workforce

The South West has seen investments of over £24million directly into Education, Skills and Employment initiatives to provide for a nuclear ready workforce.

## Construction Skills & Innovation Centre (CSIC)

Delivered by Bridgwater & Taunton College in collaboration with EDF, CSIC is an 8-acre realistic infrastructure construction training environment and is one of the UK's leading training operations for Steel Fixing and Formwork training.

## National College for Nuclear (NCfN) – Southern Hub

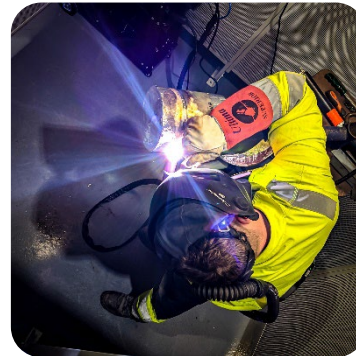
NCfN (Southern Hub) is part of the national collaboration of FE Colleges and HE Universities engaging with and responding to the emerging and rapidly escalating skills and workforce needs of the civil, defence, new build, existing generation and decommissioning nuclear sectors.

## The Welding Centre of Excellence (WCoE)

The WCoE is a welding and training workshop that facilitates Welder Qualifications/Coding in accordance with BS EN 4872 and BS EN ISO 9606.

## Energy Skills Centre (ESC) and Advanced Engineering Centre (AEC)

With modern classrooms, large workshop spaces and a pedigree in high quality Engineering skills training and assessment, the ESC and AEC continue to evolve as they engage with more Engineering employers.





# HPC Employment Support Successes

## Education and Outreach



## Skills Development



## Apprenticeships



## Jobs Service



# Opportunities in Fusion technologies

The South West has a unique combination of infrastructure, workforce, knowledge supply chain, R&D capability, skills and sites that can support the deployment of advanced nuclear energy technologies.

The region hosted the world's first purely civil nuclear power station at Berkeley and is ideally placed to become a globally significant centre of nuclear innovation.

## Opportunities include:

- Fusion power plants
- Small Modular Reactors
- Advanced Modular Reactors – Gen IV fission

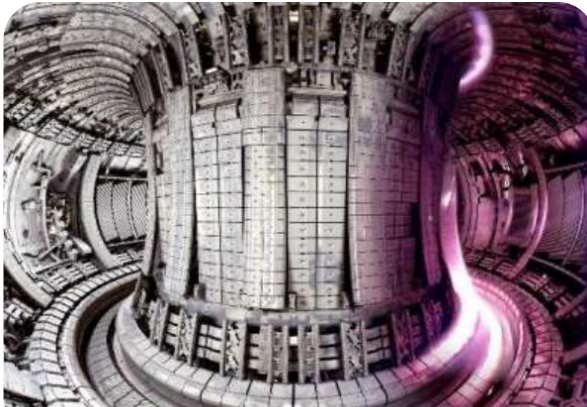


Image credit: EUROfusion  
Image credit: EUROfusion



# Complimentary High Value Engineering Sectors

- Significant technology transfer opportunities from other leading sectors in the region including; Aerospace and Marine – established supply chain and innovation assets
- Defence – knowledge and technology hubs in Bristol and Plymouth
- Digital and Creative – leading 5G and Virtual Reality facilities in Bristol Energy – unique resources such as Cornish Lithium (critical for fusion fuel)
- Marine – world class centres of design, manufacturing and autonomous systems capabilities. Plymouth 5G Smart Sound
- Plymouth and South Devon Free Port the national hub for trade and investment.



# Investment sites and Innovation assets

High-quality relocation and business growth space is available across the South West, including:

- Somerset Energy Innovation Centre: a hub for ambitious low carbon and nuclear businesses
- Bristol and Bath Science Park: Innovation, Grow-On Centres and Development sites
- Gravity Energy Innovation Campus: 'Enterprise Zone; status - discounted business rates and simplified planning
- Junction 21 Enterprise Area: 35+ hectares of mixed-use development on the M5 between Bristol and Bridgwater
- Somerset Innovation Support Service
- Firepool Centre for Digital Innovation
- Appledore Clean Maritime Innovation Centre



Source: bbsp.co.uk



Source: aww-uk.com

# Great South West



The Great South West is the pan regional partnership (PRP) for Somerset, Devon, Dorset and Cornwall & the Isles of Scilly with a focus on:

- Delivering a larger and more productive economy
- Unlocking the potential of the region's blue and green economies
- Driving investment into the region

The construction of Hinkley Point C in the Great South West has created a legacy of skills, expertise and supply chain capability

- Over 180 nuclear companies and organisations, alongside Nuclear South West and the National College for Nuclear, positioning the Great South West as a centre of excellence in nuclear energy.
- Highly-skilled, locally-based workforce, supported through the creation of three new Centres of Excellence (Mechanical, Welding and Electrical), equipped to deliver the next generation of net zero projects.
- £1.8 billion Nuclear Defence programme at Devonport further establishing our nuclear expertise.



## **Western Gateway** **Porth y Gorllewin**

The Western Gateway is the pan regional partnership for South Wales and Western England, using their skills and industry to power a greener, fairer future, working to become the UK's first green energy super cluster.

The Western Gateway has significant natural assets in solar, tidal, marine, and wind and leading capabilities in hydrogen, nuclear and industrial decarbonisation.

By capitalising on these strengths, they have an opportunity to lead globally on delivering new clean and renewable energy solutions to help decarbonise the economy, opening up new opportunities for local people in the process.



# Severn Edge

## The Vision



Severn Edge is ready to be at the forefront of a low carbon energy revolution that delivers an affordable zero carbon future while levelling up communities and boosting the local and wider economy.

## About

A dual-site approach at the centre of the Western Gateway geography.

**Oldbury-on-Severn** 150ha of land EN-6 nuclear policy compliant with existing assets & grid connection.

**Berkeley** University Technical College for engineering & cyber, plus groundbreaking R&D facilities to support low carbon & renewable energy technology.

## A Low Carbon Energy Park that is ready to go – with...

**Support** – a history of strong community and political support alongside licensing and regulatory engagement.

**Expertise** – c334,000 people employed in Knowledge Intensive Businesses and Services locally (55% of employment) and supply chains currently working with Hinkley Point C.

**Industry** – Strong technology expertise nearby in nuclear, renewable energy aerospace, digital, cyber, robotics, high value manufacture, construction and hydrogen.

**Infrastructure** – Transport and national grid connections with nearby cities, airports and major shipping ports.



[www.western-gateway.co.uk](http://www.western-gateway.co.uk)



[secretariat@western-gateway.co.uk](mailto:secretariat@western-gateway.co.uk)



@WesternGateway\_



Western Gateway

# For further enquiries

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