



Welcome to  
**Nuclear South West**

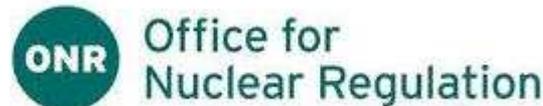


# What is Nuclear South West

- Partnership of industry, academia and government organisations
- Champions the South West nuclear industry
- **Connect – Showcase - Lead**
- Premier destination for investment, innovation and growth
- New Build – Existing Fleet – Decommissioning – Advanced Technologies



# What is Nuclear South West



# The size of the opportunity

- 15 Nuclear opportunities in New Build, Decommissioning and Defence, worth £50 billion
- £200 million of live contract opportunities right now
- The highest density of licensed nuclear sites in the UK
- World class expertise in nuclear research
- Centres of Excellence in nuclear accredited skills programmes
- Supply chain programmes, local government support, dedicated enterprise zones and innovation centres



# Nuclear industry in the South West

## LICENSED SITES

- 1 Berkeley, Magnox Ltd.
- 3 Hinkley Point A, Magnox Ltd.
- 3 Hinkley Point B, EDF Energy
- 4 Hinkley Point C, EDF Energy
- 5 HMNB Devonport
- 6 Oldbury (Severn Edge STEP)
- 7 Oldbury, Magnox Ltd.
- 8 Winfrith, Magnox Ltd.

## MAJOR R&D AND SKILLS ASSETS

- 9 Bristol and Glos. Univ. and Brunel Univ.
- 10 Bridgwater and Taunton College Construction Skills & Innovation Centre
- 11 Bristol Robotics Laboratory
- 12 EDF Energy Barnwood
- 13 EDF National Learning and Development Centre, Cannington Court
- 14 Gloucestershire Science & Technology Park, Berkeley Green
- 15 Hinkley Supply Chain Enabling Team, Somerset Energy Innovation Centre
- 16 National College for Nuclear (SW)
- 17 National Composites Centre
- 18 National Nuclear Laboratory
- 19 Office of Nuclear Regulation
- 20 Radioactive Waste Management
- 21 South West Nuclear Hub
- 22 South West Skills Campus, Weston College
- 23 University of Bath
- 24 University of Bristol
- 25 University of Exeter
- 26 University of Plymouth
- 27 University of the West of England

## COMPANIES

- |                                |                                   |   |
|--------------------------------|-----------------------------------|---|
| 28 Atkins                      | 50 Beran Instruments              | 66 Edvance                                    |
| 29 Babcock International       | 51 SC Innovation                  | 67 Boocord                                    |
| 30 BAE Systems Research Centre | 52 Helander Precision Engineering | 68 Mott MacDonald                             |
| 31 Bouygues UK Ltd.            | 53 Darchem Insulation Systems     | 69 Huaxing                                    |
| 32 Burges Salmon               | 54 Carrs MSM                      | 70 MEH Alliance                               |
| 33 Costain                     | 55 Altran                         | 71 UK EPR Design Centre                       |
| 34 Cavendish Nuclear           | 56 Doosan Energy                  | 72 Welding & Electrical Centres of Excellence |
| 35 EDF Energy                  | 57 AMEC Foster Wheeler            | 73 Tissot                                     |
| 36 Fine Tubes                  | 58 Orano                          |   |
| 37 Frazer-Nash                 | 59 Rolls-Royce                    |   |
| 38 Hitachi GE                  | 60 AECOM                          |   |
| 39 James Fisher                | 61 ARUP                           |   |
| 40 Jacobs Engineering          | 62 A M Sensors                    |   |
| 41 KierBam                     | 63 Tradebe Inutec                 |   |
| 42 M&W Hargreaves              | 64 Efinor                         |   |
| 43 Magnox                      | 65 Framatome                      |   |
| 44 Nuvia                       |                                   |   |
| 45 Pall                        |                                   |   |
| 46 Pipex                       |                                   |   |
| 47 Rotork                      |                                   |   |
| 48 Thales UK                   |                                   |   |
| 49 OC Robotics                 |                                   |   |



## THE NUCLEAR SOUTH WEST CLUSTER

The South West has a strong cluster of companies, expertise and investment sites, making it the ideal choice for new and investing companies.



# 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.



UK EPR Design Centre, Bristol

*"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

# Research and 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 underwater Remotely Operated Vehicles

**EDF, Barnwood** - technical capability relating to the design, operation and life extension of the Advanced Gas Cooled Reactor fleet

**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

# Skills & Workforce

## **The Hinkley Point Training Alliance**

South West training providers working together to meet the Hinkley Point skills challenge and enable employers to access quality assured, responsive training.

## **South West Nuclear Hub**

One of the UK's top research destinations powering innovation in nuclear energy. Home to the University of Bristol's MSc in Nuclear Science and Engineering, providing an interdisciplinary postgraduate programme with significant industry input.



Gloucestershire Science & Technology Park

# Skills & Workforce

**National College for Nuclear, South West Hub:** knowledge, research and innovation hub offering accredited, employer-led nuclear specific programmes, using state of the art teaching tools and technologies.

## **Welding Centre of Excellence (WCoE)**

Working in collaboration with Weldability Sif, South West Institute of Technology (SWIOT), Hinkley Point C (HPC) and Heart of the South West LEP (HotSW LEP), BTC addresses the skills shortage in welding and associated skills. The WCoE provides skills and associated training from Level 1 to Level 6.



Bridgwater College EDF Energy Centre

# Opportunities in fusion & advanced technologies

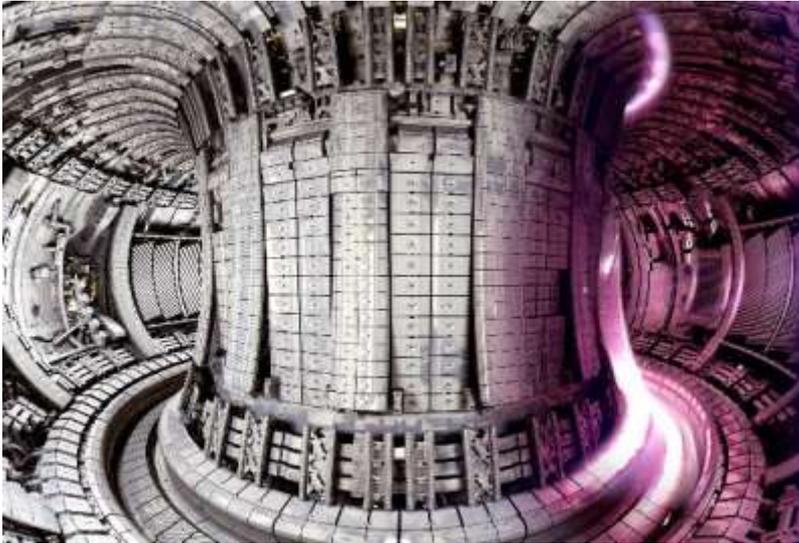


Image credit: EUROfusion

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 – STEP programme (Severn Edge site shortlisted)
- Small Modular Reactors
- Advanced Modular Reactors – Gen IV fission

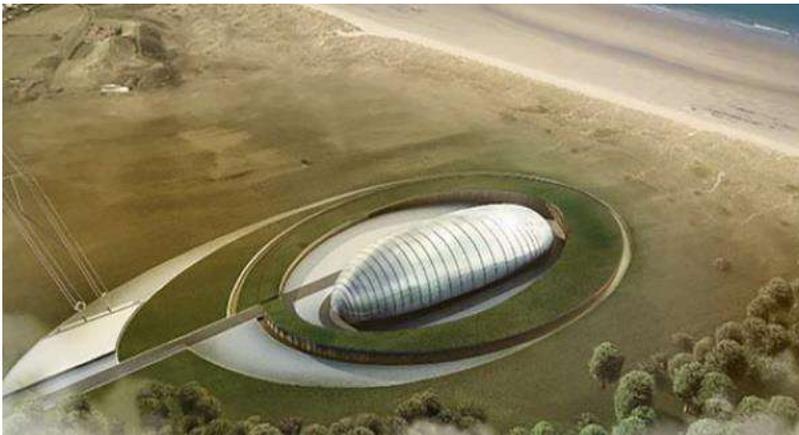


Image credit: Rolls Royce

# Complimentary High Value Engineering Sectors

Significant technology transfer opportunities from other leading sectors in the region, including:

**Aerospace** – 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

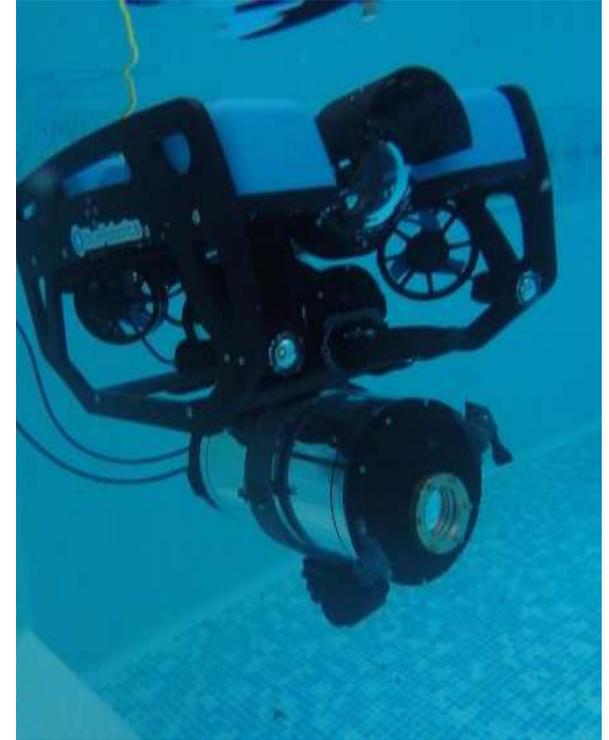
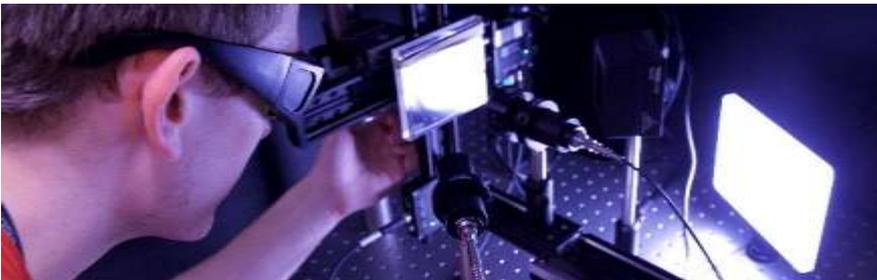


Image credits: University of Bristol



# Investment sites



Somerset Energy Innovation Centre



Gravity Campus artists' impression

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:**  
72 hectares of mixed-use development on the M5 between Bristol and Bridgwater

# Business support



A separate, dedicated **Hinkley Supply Chain team**, delivered by Somerset Chamber of Commerce, SWMAS and Business West works with EDF Energy and its main contractors to understand and support the Hinkley Point C supply chain, identify opportunities for local suppliers and make connections.

This consortium also delivers the **Soft Landing Package**, which includes tailored advice and information.

Companies interested in Hinkley contracts should register on the Supply Chain Portal supported by EDFE, delivered by Somerset Chamber of Commerce:

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

**Nuclear South West Industry Network** connects businesses through events and other opportunities to raise profile

## **For further enquiries please contact Nuclear South West at:**

[invest@nuclearsouthwest.co.uk](mailto:invest@nuclearsouthwest.co.uk)

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

+44 (0)1275 370946



@NuclearSW