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

LICENCED SITES
1. Berkeley Magnox Ltd.
2. Hinkley Point A, Magnox Ltd.
3. Hinkley Point B, EDF Energy
4. Hinkley Point C, EDF Energy
5. HMNB Devonport
6. Clitheroe (Silver Edge STTP)
7. Oldbury, Magnox Ltd.
8. Winfrith, Magnox Ltd.

MAJOR R&D AND SKILLS ASSETS
9. Plymouth Maritim College
10. Bideford and Tawton College
11. Construction Skills & Innovation Centre
12. Bristol Robotics Laboratory
13. EDF Energy Harwell
14. EDF National Learning and Development Centre, Cattown
15. Gloucestershire Science & Technology Park, Barnet Boreham
16. Hinkley Supply Chain Enabling Team, Somerset Energy Innovation Centre
17. National College for Nuclear (SW)
18. National Composites Centre
19. National Nuclear Laboratory
20. Office of Nuclear Regulation
21. Radioactive Waste Management
22. South West Nuclear Hub
23. South West Skills Campus, Weston College
24. University of Bath
25. University of Bristol
26. University of Exeter
27. University of Plymouth
28. University of the West of England

COMPANIES
29. Atkins
30. Babcock International
31. BAE Systems Research Centre
32. Bouygues UK Ltd.
33. Buroes Salmon
34. Costain
35. Cavendish Nuclear
36. EDF Energy
37. Fine Tubes
38. Frazier-Nash
39. Hitachi OE
40. James Fisher
41. Jacobs Engineering
42. Kier
43. MBW Hargreaves
44. Magnex
45. Nucla
46. Pall
47. Pipex
48. RNL
49. Thales UK
50. OC Robotics
51. Beran Instruments
52. CC Innovation
53. Helander Precision Engineering
54. Raphson Insulation Systems
55. Carris M&G
56. Altran
57. Doosan Energy
58. AMEC Foster Wheeler
59. Crane
60. Pedata-Forsee
61. AECOM
62. ARUP
63. A M Sensors
64. Tradebe Indus
65. Infion
66. Franaan

THE NUCLEAR SOUTH WEST CLUSTER

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

"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

BristolRobotics 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’.
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.
Opportunities in fusion & advanced 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 – STEP programme (Severn Edge site shortlisted)
• Small Modular Reactors
• Advanced Modular Reactors – Gen IV fission
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

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
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:

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