The Golden Age: Delivering UK Nuclear Differently

Abigail Luxton
Chief of Staff

Great British Energy - Nuclear

About GBE-N

Great British Energy – Nuclear's purpose is to advance new nuclear projects that provide secure, reliable, and sustainable energy for the UK.

Together, we are reshaping the future of UK nuclear energy.

"We are entering a golden age of nuclear"

Energy Secretary, Ed Miliband

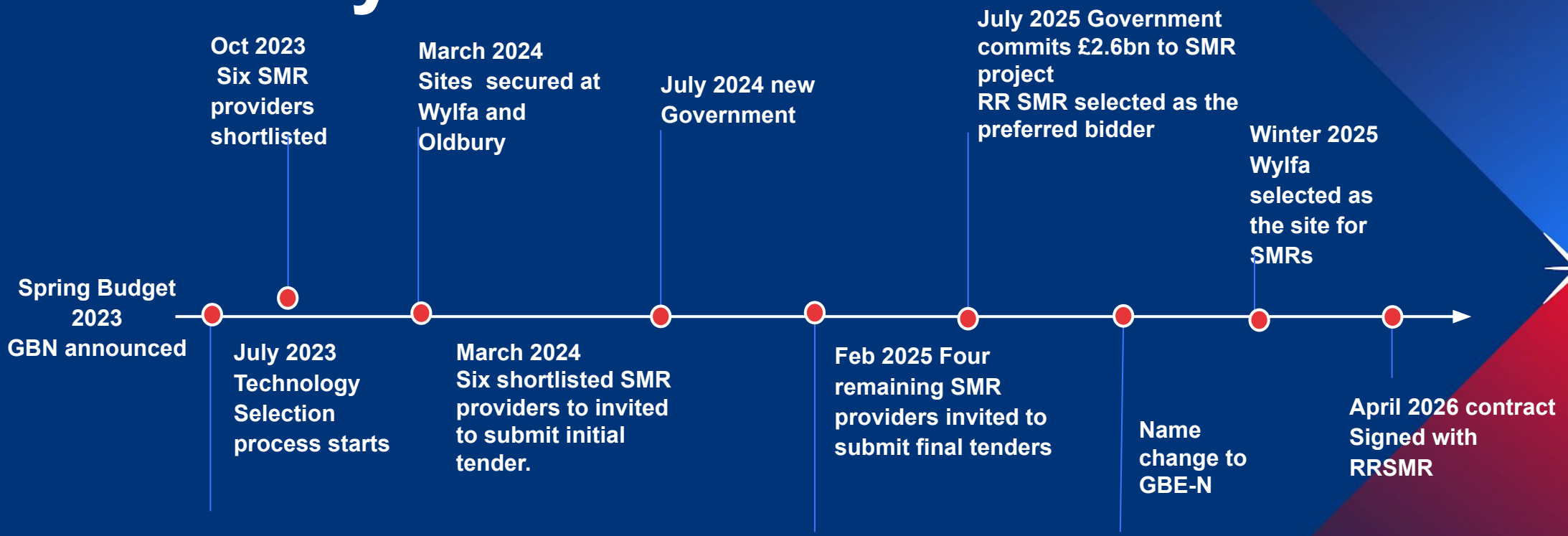
Our Mission

Great British Energy – Nuclear' s role is to deliver, enable and advise on new nuclear projects that provide reliable, low-cost power, strengthen energy security and drive national growth.

The SMR Programme:
Enabling SMR fleets for clean, secure power
Modular, scalable SMRs will be deployed as fleets, backed by private finance.

The SMR Project:
Delivering opportunities for generations
Safely deliver the first-of-a-kind (FOAK) SMR unit at pace on Anglesey laying the foundations for the future fleet.

From Ambition to Nuclear Delivery



Delivering the UK's Nuclear Programme

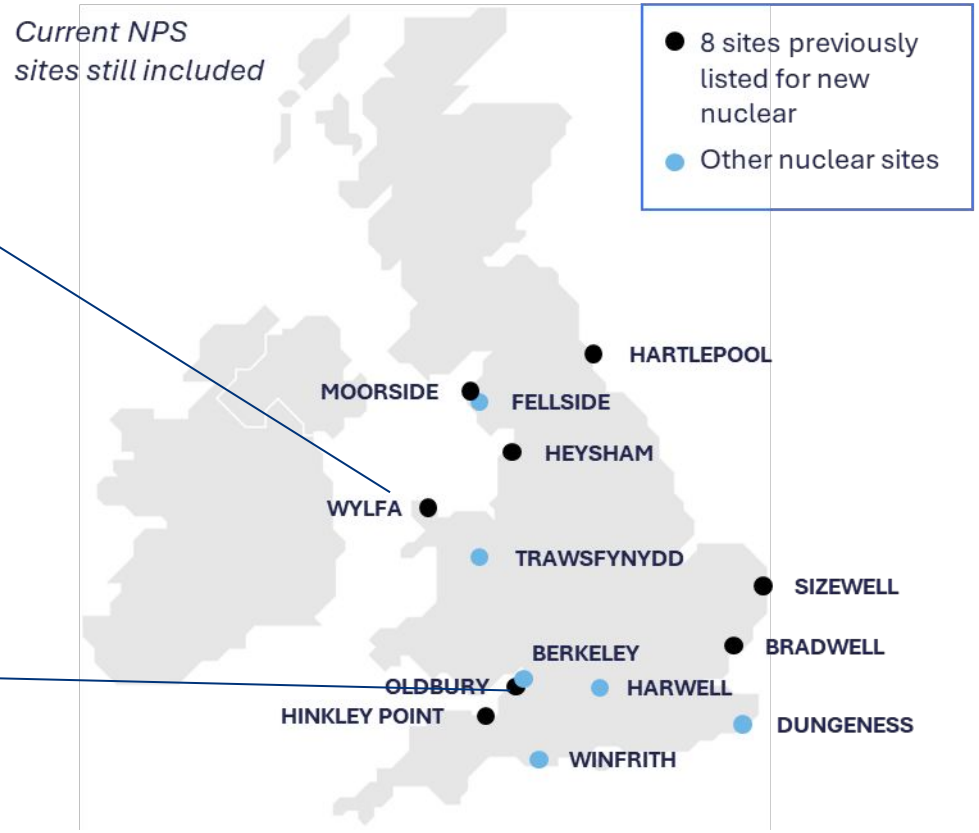
GBE-N's current mission is the delivery of SMRs. This sits within the broader UK Civil Nuclear Programme that also encompasses gigawatt-scale projects and, in the future, Advanced Modular Reactors (AMRs)

SMRs	GW- Scale	AMRs
Rolls- Royce SMR selected as the Technology Partner and Wylfa, on Anglesey, selected for the first three units.	**Beyond Hinkley Point C and Sizewell C, large-scale nuclear will remain critical to the UK's nuclear ambition.**	**AMRs are being pursued in the UK through the newly established Advanced Nuclear Pipeline.**

Our Sites

Wylfa

Oldbury



The SMR Project

GBE-N's programme mission is the deployment of SMRs, a next-generation nuclear technology designed for faster build times, lower upfront costs, and greater flexibility of siting.

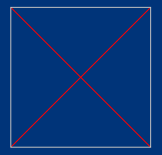
Phase 1 – Design (2025-c.2030)	Phase 2 – Build (c.2030 – mid 2030s)	Phase 3 – Operate (mid 2030s – c.2095+)
• Technology & site selection • Planning consents and approvals • Delivery model & funding confirmation • Supply chain mobilisation	• Site construction • Factory manufacture • Modular assembly • Commission & fuel	• Generate & scale fleet • Operate & maintain • Workforce & community • Fuel, waste & decommissioning

All dates are subject to change

Investment and Market Progress

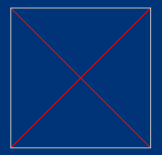
£2.6 bn Allocated to the SMR Programme (Spending Review 2025)

£694 m Circa £694 m Supply chain contracts awarded by Q1 2026.



Major Procurements:
8 procurements – £6.2bn +

RR SMR Phase 2 contract value not included.



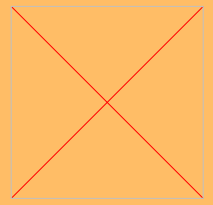
Non-Major Procurements:
10 procurements – c.£35 - £45m each

Procurement	Current Status	Key milestones (Next 3-6 months)
Delivery Partner	Tender preparation	◆ Procurement launch
Engineering Partner	Tender preparation	◆ Procurement launch
Owner's Scope – Early Works	Optioneering	◆ Approvals commence
Operator Capability	Optioneering	◆ Optioneering complete
Archaeology Investigations	Requirements Gathering	◆ Procurement launch
Intrusive Site Investigations	Requirements Gathering	◆ Procurement launch

Creating the Conditions for Nuclear Investment

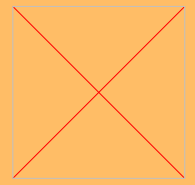
GBE-N improves investability by making a nuclear projects clear, predictable, and appealing.

De-Risk Early Development



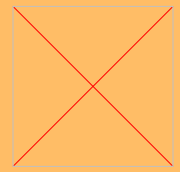
1. Secure and understand the site early.
2. Shape the approvals pathway from the start.
3. Create a clear, investable delivery structure.

Bespoke to Standard



1. Standardise the design and reduce FOAK uncertainty.
2. Shift from bespoke build to repeatable manufacturing model.
3. Build the programme around fleet delivery, not a single project.

Building Investor Appetite



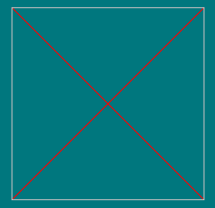
1. Reduce downside risk and improve revenue certainty.
2. Improve cost and schedule predictability.
3. Present nuclear as a scalable, investable asset class.

Supply Chain and Skills

Building the UK's nuclear supply chain is central to GBE-N's mission. We are working across government and industry to ensure the people and businesses are ready for new nuclear.

Supply Chain:
Engaging the market to map capability and gaps, helping HMG target investment and build a supply chain that can deliver at scale.

Innovation:
Helping bring new SMR technology to the UK, while building manufacturing skills and capability.



Est.180,000

Total workforce needed by 2043

Skills:
Partnering with industry bodies, and training providers to grow nuclear skills across the UK.

Jobs:
Committed to creating high-quality, well-paid jobs across UK regions, with a focus on communities near our sites.

Conclusion

Great British ENERGY | NUCLEAR

Thank you

Abigail.Luxton@greatbritishnuclear.uk

Great British Energy - Nuclear
Renaissance House
Centre Park Square Park
Warrington
WA1 1QN
London, United Kingdom

GBNgovuk

great-british-energy-nuclear