

Owner's Scope: Market Engagement Webinar

Discover upcoming Owner's Scope contract opportunities and GBE-N's approach to procurement and delivery.



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Hosted by:
Great British Energy – Nuclear
Thursday, 3 September
10:00 – 11:45



Great British
ENERGY | NUCLEAR

Welcome

Agenda

- 10:00 Welcome
- 10:05 Safety Share
- 10:10 An Introduction to GBE-N
- 10:20 Owner's Scope Technical Overview
- 10:30 Owner's Scope Commercial Overview
- 10:40 Conflicts of Interest
- 10:45 Break
- 10:50 Objectives of Market Engagement
- 10:55 Social Value and Supply Chain
- 11:15 Early Works Procurement Overview
- 11:40 Next Steps

Safety Share

When should I replace my safety helmet?

A quick check to make sure head protection is still fit for purpose

Key message

Replace helmets by lifespan, condition — or immediately after impact.

Lifespan rule of thumb



Today's action

If in doubt: stop, inspect, and replace rather than risk relying on compromised PPE.



Quick inspection checks

- ✓ Check date of manufacture and first use.
- ✓ Look for cracks, discolouration, brittleness or damage.
- ✓ Keep shell visible — stickers can hide defects.
- ⚠ Remove from use if expired, damaged or impacted.

An Introduction to GBE-N

Kate Hall
Deputy Commercial Director

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.

As part of the Department for Energy Security and Net Zero, Great British Energy – Nuclear is delivering the government’s nuclear programme, with an initial focus on Small Modular Reactors (SMRs). Our expert team works closely with industry leaders, bringing together cutting-edge technology and a shared commitment to excellence.

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



We are ‘entering a golden age of nuclear’

Ed Miliband

Our Mission



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Energy Security for Growth

Programme: SMR Fleets

Modular, scalable SMRs will be deployed as fleets, backed by private finance.

Project: FOAK Unit

Safely deliver the first of a kind (FOAK) SMR unit at pace on Anglesey laying the foundations for the future fleet.

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

SMRs offer modular, scalable technology that can be deployed as fleets, backed by private finance to deliver:

- Predictable costs and schedules, with reduced risk
- Investment across the United Kingdom supply chain
- A stronger UK position in the global nuclear export market
- Increased investor confidence driven by a clear strategic pipeline, reduced delivery risk and consistent delivery.

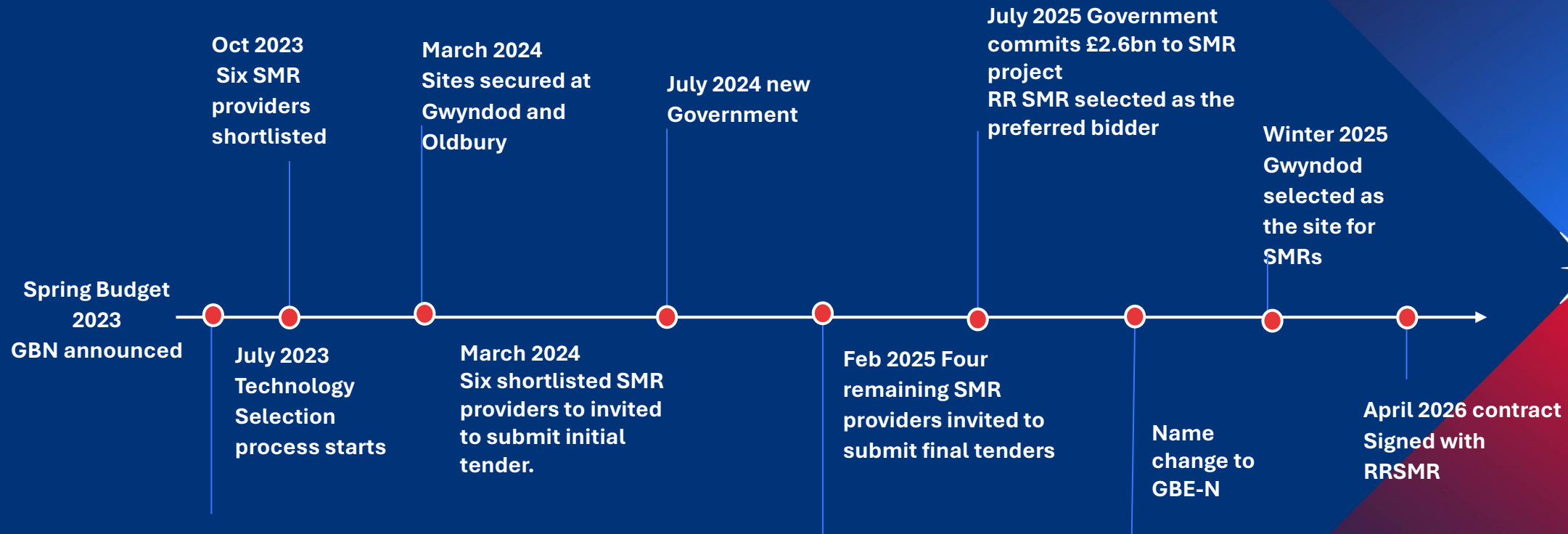
The SMR Project:

Delivering opportunities for generations

Safely and cost effectively deliver the first-of-a-kind SMR unit at pace at Gwyndod, on Anglesey, laying the foundations for a future fleet.

Providing clean, reliable nuclear power on time and on budget, while creating high-quality jobs and skills that last for generations.

From Ambition to Nuclear Delivery



Our Sites

Gwyndod



- Lead site for first UK SMR deployment
- Site-specific engineering now underway with Rolls-Royce SMR
- Target initial capacity: 1.4GWe (3 units)
- Grid connection targeted mid-2030s
- Community engagement programme under way , with naming campaign launched

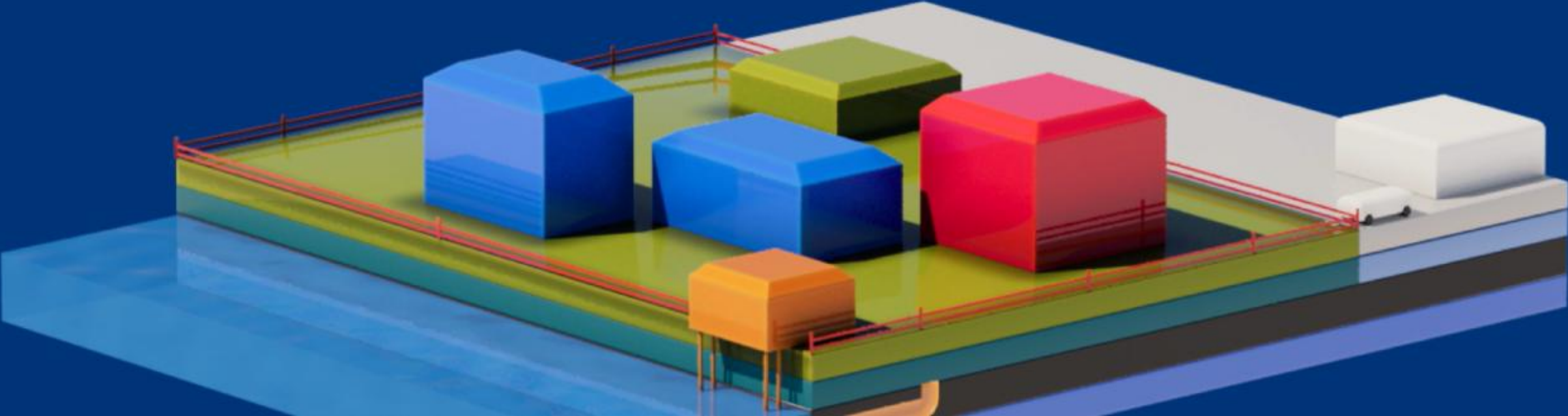
Oldbury



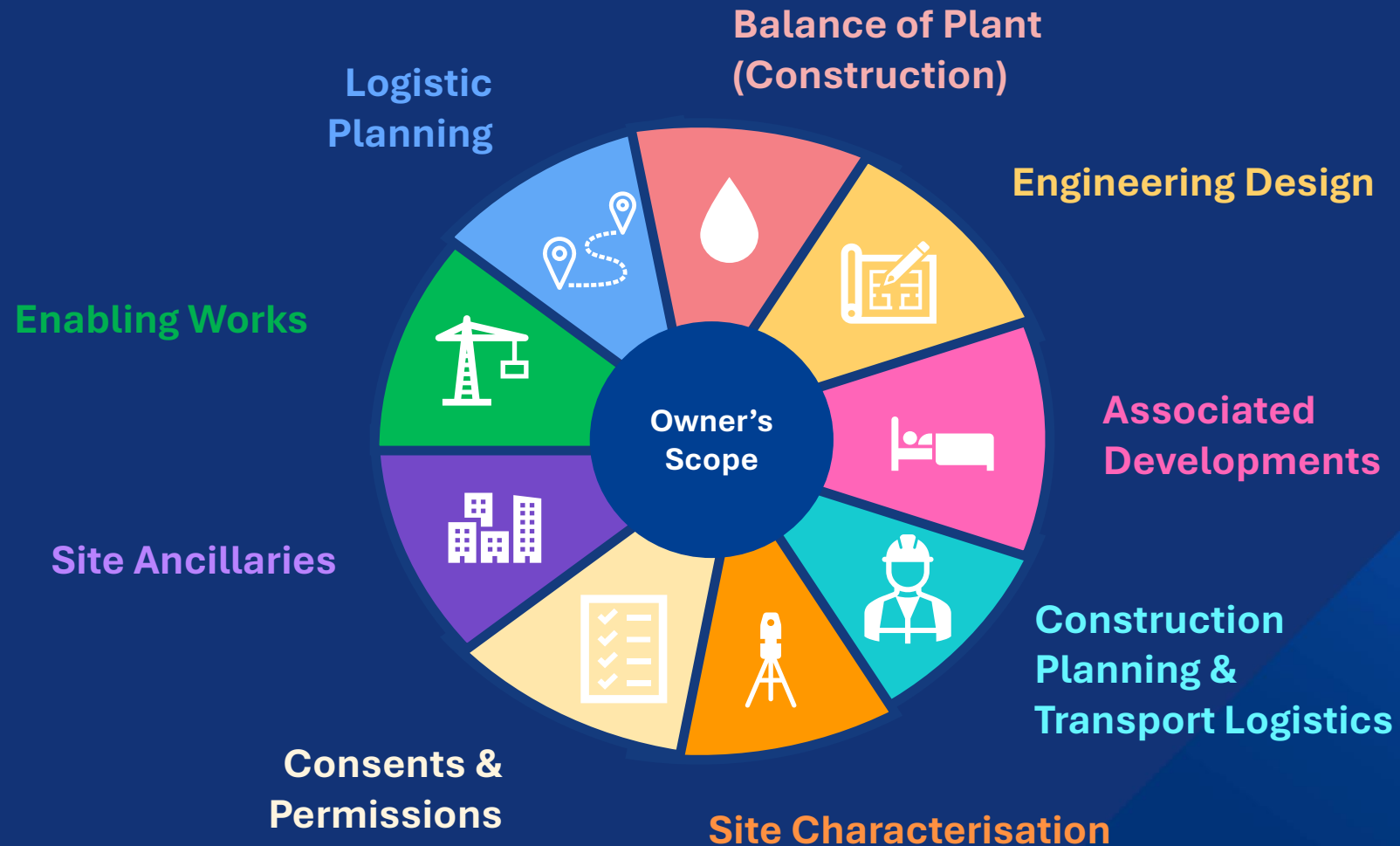
- Secured for future fleet deployment
- Site characterisation and planning advancement underway
- Part of GBE-N's multi-site fleet strategy
- Further sites may be identified under the new EN-7 planning framework

The SMR Project and the Owner's Scope

Rania Hill
Project Delivery Director – Owner's Scope



Success Takes More Than Technology Alone



The Owner's Scope turns a reactor into a power station...

Pre-Construction - Enabling Works (Early Works)

Site Preparation



Site Establishment



Temporary Works



Temporary Infrastructure



Demolition
Earthworks /
Landscaping
Utilities Relocation
/ Protection
Environmental
Mitigation
Species
Relocation

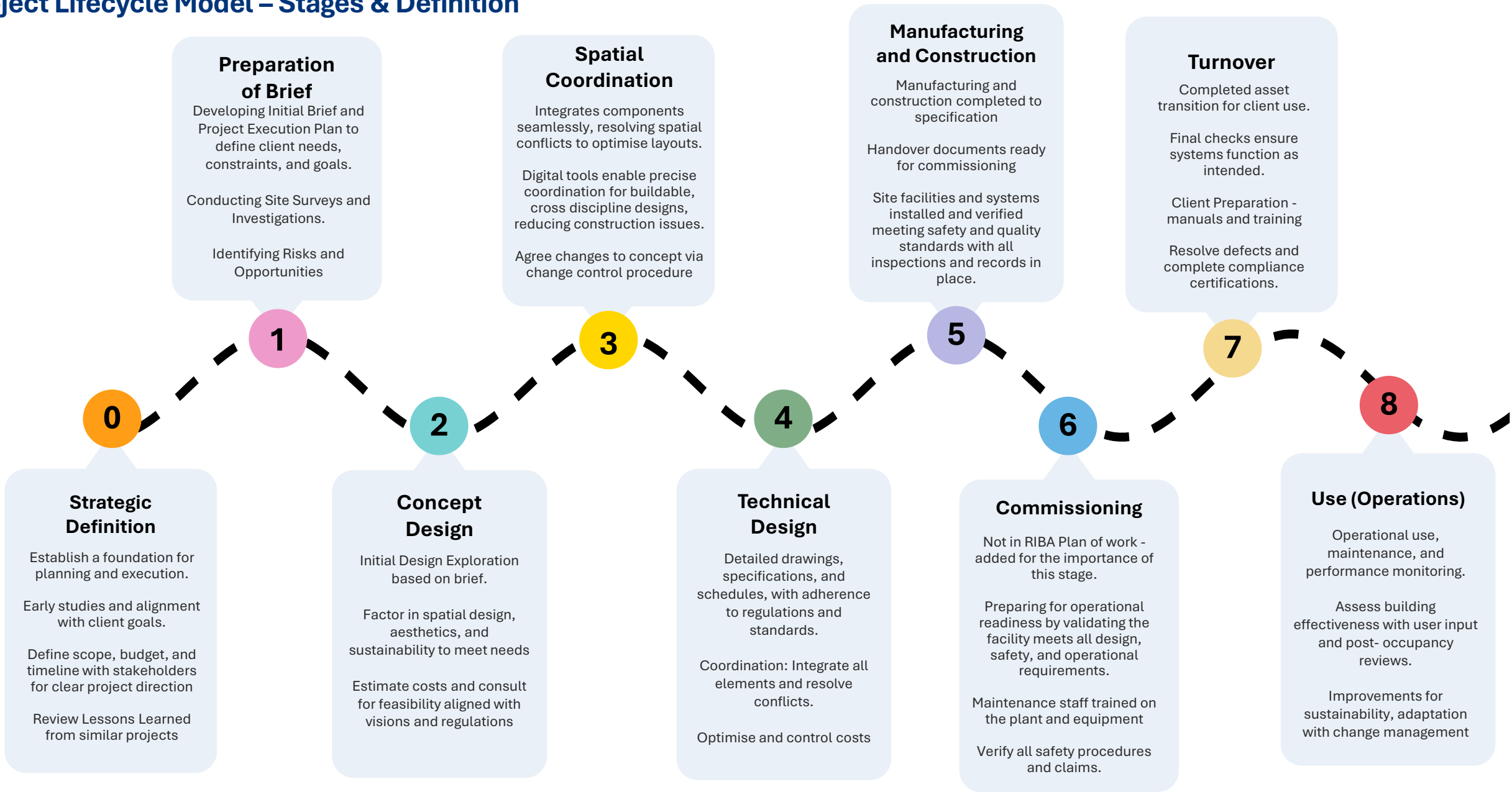
Site Access
Site Car Park
Site Fencing and
Hoarding
Site Compound

Haul Roads
Excavation
Support
Temporary Lifting
Platforms
Laydown Areas

Temporary Utilities
Early Flood
Protection
Measures
Surface Drainage
Silt Lagoons

Project Lifecycle Model

Project Lifecycle Model – Stages & Definition



Owner's Scope Commercial Overview

Kate Hall
Deputy Commercial Director

Owner's Scope Commercial Portfolio

*Integrated Owner's Scope procurements enabling the delivery of the first UK SMR programme through coordinated planning, design, enabling infrastructure and construction.**



Engineering Partner

A single contract to deliver Owner's Scope Spatial Coordination for designated Owner's Scope delivery packages, from Concept Design completion through to handover to the relevant D&B delivery contracts.

- **Value estimate:** £60m-£80m
- **Estimated Procurement Launch Date:** January 2027
- **Indicative Duration:** c.2 years, with option to extend
- **Indicative Mobilisation:** from July 2027
- **Delivery model:** Single contract procured through further-competition via GCA Framework Construction Professional Services, Lot 1.



Early Works

Single D&B contract to deliver early enabling site preparation works and earthworks to protect the critical path.

- **Value estimate:** £730m-£1.1bn
- **Estimated Procurement Launch Date:** March 2027
- **Indicative Duration:** c.6 years, with option to extend
- **Indicative Mobilisation:** from Jun 2028
 - Phase 1: Oct 2028
 - Phase 2: Jun 2029
- **Delivery Model:** Single Design & Build Contract, delivered via a Competitive Flexible Procurement Procedure.



Associated Developments

Provide the off-site and supporting infrastructure required to enable construction of the Gwyndod SMR Project.

- **Value estimate:** TBC
- **Estimated Procurement Launch Date:** May 2027
- **Indicative Duration:** c.6 years, with option to extend
- **Indicative Mobilisation:** TBC - Required for: support to Main Works delivery including workforce, logistics and transport needs
- **Delivery model:** Subject to optioneering and market engagement



Marine Off-Loading Facility

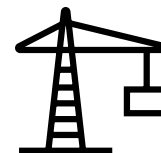
Purpose-built marine infrastructure asset that enables the delivery of materials and equipment to site via sea, including the receipt, unloading and transfer of materials from vessel to on-site logistics systems.

- **Value estimate:** TBC
- **Estimated Procurement Launch Date:** May 2027
- **Indicative Duration:** c.6 years, with option to extend
- **Indicative Mobilisation:** TBC
- **Delivery model:** Subject to optioneering and market engagement



Marine Works/Tunnelling

A specialist Design & Build contract to deliver the marine and tunnelling infrastructure required to support the SMR project, including cooling water tunnels and associated offshore and coastal works.



Main Works BOP/MEH & Civils

Major construction contract to deliver the principal Owner's Scope infrastructure, site ancillaries and supporting assets required for SMR deployment and commissioning.

Conflicts of Interest

Conflicts of Interest

Key COI Principles

GBE-N recognises that suppliers may participate across multiple work packages, however actual, potential and perceived conflicts of interest must be identified, managed and controlled throughout both procurement and delivery.

Suppliers must not be responsible for assuring or approving their own work. Commercial arrangements must not create incentives to prioritise one SMR Programme contract over another. All conflicts will be considered on a case-by-case basis, with suppliers required to demonstrate appropriate mitigation measures.

Maintaining the confidentiality of procurement information is paramount throughout the procurement process. Any attempt to obtain, disclose or use non-public procurement information, whether directly or indirectly, may compromise the integrity of the competition and could have material consequences for an organisation's participation in the procurement.

Conflict of Interest Matrix

GBE-N has published the SMR Conflict of Interest Matrix, available on [GOV.UK: SMR Conflict of Interest Matrix](#). Conflict of interest considerations will form part of all procurements. Applicants will be required to demonstrate how any actual, potential or perceived conflicts will be managed during procurement and contract delivery.

Owner's Scope Position

Suppliers participating in Owner's Scope work packages may also participate in other SMR procurements, subject to appropriate conflict management arrangements. The exception is the Owner's Engineer, where additional restrictions apply due to its assurance role. For the Delivery Partner, participation at Tier 1 to the prime contractor level is restricted where conflicts cannot be appropriately managed.



Break

GBE-N Market Engagement Objectives

Andre Mederick
Commercial Manager

Owner's Scope Market Engagement Objectives

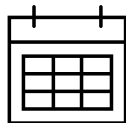
These objectives summarise GBE-N's desired outcomes from successful dialogue with the supply chain through market engagement.

GBE-N intends to secure feedback from the market to support the development of our procurement approach & delivery strategy for the Owner's Scope.



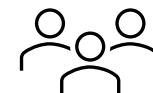
Supply Chain Engagement

Strengthen our engagement with the market through more frequent and meaningful dialogue.



OS Pipeline Visibility

Provide early visibility of upcoming opportunities to support supplier planning, investment decisions and resource allocation.



Economic & Social Value

Encourage participation from SMEs and the wider local supply chain, as well as developing the right skills to maximise economic and social value.



Supply Chain Feedback

Seek supplier feedback on GBE-N's approach to delivering the Owner's Scope & Early Enabling Works specifically, while gaining a deeper understanding of market capacity, capability and appetite.

Social Value and Supply Chain

Kristina Schaferova
**Head of Sustainability, Environment and
Social Value**

Miranda Broadley
**Head of Commercial Assurance, Continuous
Improvement and Supply Chain**

GBE-N Strategic Social Value Priorities

1. Creating the Right Jobs & Skills

Address current and future skills gaps in the nuclear and supporting industries by investing in inclusive talent development, expanding access to high-quality training programmes (e.g. apprenticeships), and fostering lifelong learning pathways.

2. Developing Resilient Supply Chains

Enable growth of diverse, sustainable, and resilient supply chains, integrating innovative solutions, and supporting local and ethical sourcing to de-risk nuclear programmes.

3. Protecting & Enhancing Natural Environment

Demonstrate environmental leadership by protecting nature, enhancing biodiversity where possible, embedding circular economy principles, carbon reduction, water conservation, and sustainable operations across all activities.

4. Building Diverse & Productive Workforce

Foster a diverse, and equitable workforce across the nuclear and supporting industries. One that reflects the society we serve. Recognise that diversity drives innovation, resilience, and long-term success.

5. Supporting Neighbouring Communities

Empower and collaborate with our neighbouring communities to strengthen social cohesion and share prosperity through active engagement, strategic investment, respect for cultural heritage, and long-term partnerships.

Supply Chain



GBE-N and RR-SMR will hold a joint supply chain event in October. The event will take place in North Wales, please check our LinkedIn where we will publish sign up details. We will have sessions with specific SME focus and networking opportunities



GBE-N is developing an SME strategy to outline how we plan to encourage SME participation and remove barriers to entry



We are working with RR SMR so that in 2027 suppliers will be able to register online to receive supply chain opportunities and quarterly updates on the Gwyndod Project



GBE-N will develop a supply chain working group to promote collaboration, transparency and maximise opportunities with local suppliers



We are working jointly with other Licensees as part of the Supply Chain Collaboration programme.



We plan to take forward and build on the supply chain work done for the Trawsfynydd project to underpin our supply chain strategy

Early Works: Procurement Overview

Rania Hill
Project Delivery Director –
Owner's Scope

Jon Alcock
Senior Commercial Lead

Early Works Key Information

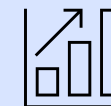


Contractor role

Purpose: prepare the Gwyndod site, protect the critical path and create the physical platform required for Main Works.

Standalone Design & Build package from RIBA 4 onwards, following early-stage design by fENG / the Engineering Partner through RIBA 1–3.

Requires management of overlapping workfronts, coordination with other programme partners and delivery of physical site readiness.



Scale & timing

Value
£730m–£1.1bn

Duration
c.6 years + extension option

Main value driver
Bulk earthworks,
c.75%–80%

Mobilisation
From Jun 2028

Indicative start P1 Oct 2028 | P2 Jun 2029

Market feedback sought

Scope clarity and deliverability

Design maturity needed for pricing

Sequencing

Resource & capability availability

Access, logistics and interface model

GI reliance and risk allocation

Consents and nuclear-adjacent requirements

Scope Summary

Indicative Scope

P1 - Site Preparation

Indicative start: Oct 2028

- RIBA 4 design including below scope
- Ecology and species relocation
- Temporary compounds, cabins, offices and utilities
- Site fencing, security, access and lighting
- Temporary utilities & drainage
- Demolition
- Internal haul roads
- Remediation, if required
- Site clearance

*Provision of Consents & Permits will be responsibility of GBE-N

P2 - Earthworks / Platform Preparation

Indicative start: Jun 2029

- RIBA 4 design including below scope
- Temporary site compound, cabins, offices and utilities
- Site fencing, security, access and lighting
- Temporary utilities & drainage
- Construction site drainage and attenuation
- Topsoil stripping & overburden
- Haul roads
- Bulk earthworks / blasting / excavation & reprocessing
- Basement excavation & ground / rock stabilisation & dewatering
- Storage and stockpiling
- Backfilling and platform preparation
- Utilities and services trenches

Constraints and Interfaces

Key Interfaces

- **GBE-N / Owner's Engineer**- requirements, governance and assurance. GBEN to provide desktop & intrusive GI & TI & marine information.
- **Foundation Engineering contractor / Engineering Partner** - design inputs, handover & technical information
- **Delivery Partner** - programme integration, access and logistics
- **Main Works partners** - platform, utilities and access handover
- **Technology Partner / RR SMR** - platform & site assumptions & downstream requirements
- **Associated Developments / Marine Offloading Facility / logistics** - accommodation, haul routes and bulk movements
- **Utilities / consenting bodies** - services, permits and environmental controls (Provision of Consents & Permits will be responsibility of GBE-N)

Key Constraints

- Critical path
- Scope maturity and RIBA 4 design readiness
- Material Management
- Ecology, species relocation, demolition, drainage & utility consents
- Ground conditions, GI reliance and remediation risk
- Shared site access & overlapping workfronts, interfaces with other contractors
- Logistics, marine offloading facility, existing infrastructure & sequencing
- Nuclear-adjacent safety, security, quality and assurance requirements
- Programme governance, funding and approval gates

Market capability required

Major civils & earthworks	Design management & pre-construction	Temporary works & utilities	Ground & materials management	Logistics & work-front management	Interface, safety & assurance
Site enabling works, Bulk Earthworks, Excavation, Drilling, Blasting, Processing & Backfill, platform prep	RIBA 4 design, constructability, constructions methodology permits, licenses & consents*, handover	Compounds, drainage & attenuation, ground stabilisation & shoring, services, access	Construction specific GI, remediation, stockpiling, reuse, temp drainage	Overlapping areas, sequencing, site access, cooling water & MOLF supplier(s) interfaces	Engineering & Delivery Partners, Main Works, Associated Developments & Cooling Water Contractors, quality, environment, CDM

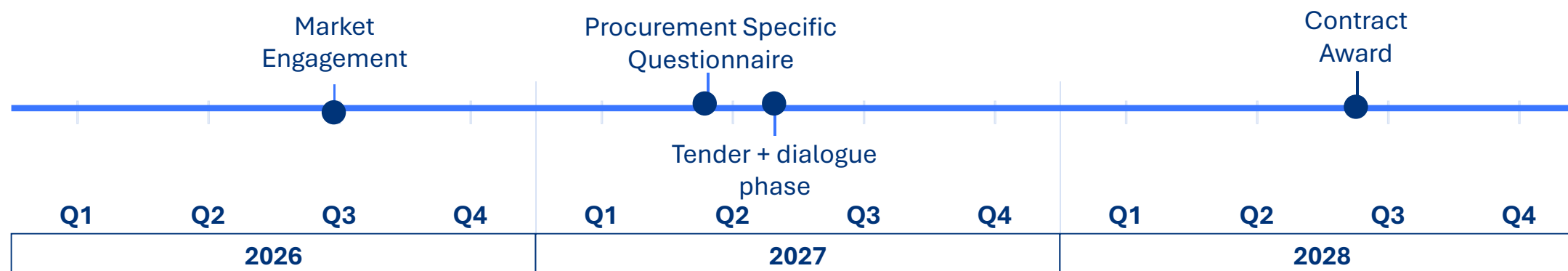
Early Works Procurement Process

Route To Market: Competitive Flexible Procedure

Proposed Early Works procurement process map



Indicative timeline



Recommended route to market: **Competitive Flexible Procedure** concluding in award of an **NEC4 ECC Design & Build Contract** for the design and build of the Early Works package.

Commercial route and contract structure

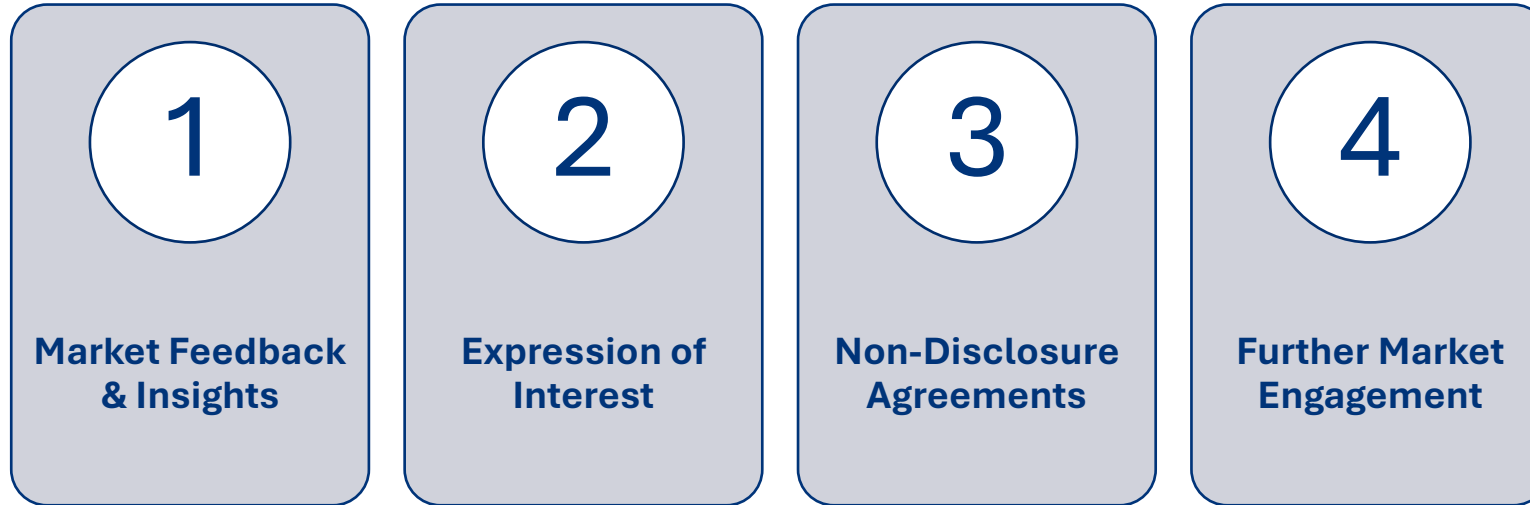
NEC4 ECC Design & Build Contract c.6 years with optional extension

Phase	Scope	Indicative Pricing	Key content	Gateways / controls
Design c. July 28	Design activity under the Design & Build Contract	Exploring Option E Cost Reimbursable / Option C Target Cost RIBA 4 design onwards	• Phased delivery of design requirements • Mechanics refined as requirements mature • Move to construction only once specified gateways are met	• Design ≥ RIBA 4 • Scope and risk defined • Open-book cost validated • Supply-chain sub-contracts competitively procured • Price benchmarked and within tolerance • Fees/rates locked • Break clause retained
Construction c. 2029 onwards	Site Preparation Construction activity under the D&B Contract Earthworks Construction activity under the D&B Contract	Exploring Pricing Option Site Preparation Construction delivery Option C Target Cost Earthworks Construction delivery	• Construction proceeds after pre-determined gateway approval for package moving from design • Target cost basis retained for cost control	

Contract mechanics to be developed as the requirement matures: design delivery first, then progression to construction once pre-determined gateways are satisfied. Pricing through design and build may follow multiple different pricing options, or separate target costs may be set due to phasing, flexibility and type of works. Timings are indicative.

Next Steps

Next Steps



Upcoming events – GBE-N in attendance...



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SMR

GBE-N/RR-SMR Supply Chain Event
22 & 23 October 2026, Coleg Menai



World Quality Week 2026
12 November 2026, UKAEA



Llandudno Business Wales Expo
17 September 2026



Chartered Quality Institute
October 2026

Thank You

Appendix

GBE-N SMR Project Conflict of Interest Matrix

* Dependent on timing (post-fPMC5)

Note: GBE-N reserves the right to update the COI Matrix and will provide updates to the supply chain accordingly.

	Abbreviation	Contractor and supply chain may act in both capacities, subject to demonstration of appropriate Col mitigation measures.			GBE-N Contractor cannot act in both capacities, but Tier 1 Contractor(s) could subject to demonstration of appropriate COI mitigation measures.	GBE-N Contractor and its Tier 1 Contractor(s) may not act in both capacities. For the avoidance of doubt, this does not apply to Tier 2 Contractors.
Technology Partner	TP	✓ FEng ✓ BoP / ME & HVAC ✓ Associated Dev.	✓ EP ✓ DP ✓ Site & Civils	✓ Operator ✓ Surveys & MPs	▸ OE ▸ fPCMS	✖ DP
Owner’s Engineer	OE	✓ Surveys & MPs			▸ TP	✖ FEng ✖ fPCMS ✖ BoP / ME & HVAC ✖ Associated Dev. ✖ EP ✖ DP ✖ Site & Civils ✖ Operator
Foundation Engineering	FEng	✓ TP ✓ BoP / ME & HVAC ✓ Associated Dev.	✓ EP ✓ DP ✓ Site & Civils	✓ Operator ✓ Surveys & MPs	▸ fPCMS	✖ OE
Foundation Project Management and Commercial Services	fPCMS	✓ BoP / ME & HVAC* ✓ Associated Dev.*	✓ EP ✓ DP	✓ Site & Civils* ✓ Operator	▸ TP ▸ FEng ▸ Surveys & MPs	✖ OE
Balance of Plant / Mechanical Electrical and HVAC	BoP / ME & HVAC	✓ TP ✓ FEng ✓ fPCMS*	✓ Associated Dev. ✓ EP ✓ Site & Civils	✓ Operator ✓ Surveys & MPs	▸ DP	✖ OE
Associated Developments	Associated Dev.	✓ TP ✓ FEng ✓ fPCMS*	✓ BoP / ME & HVAC ✓ EP ✓ Site & Civils	✓ Operator ✓ Surveys & MPs	▸ DP	✖ OE
Engineering Partner	EP	✓ TP ✓ FEng ✓ fPCMS*	✓ BoP / ME & HVAC ✓ Associated Dev. ✓ Site & Civils	✓ Operator ✓ Surveys & MPs	▸ DP	✖ OE
Delivery Partner	DP	✓ FEng ✓ fPCMS	✓ Operator ✓ Surveys & MPs		▸ BoP / ME & HVAC ▸ Associated Dev. ▸ EP ▸ Site & Civils	✖ TP ✖ OE
Site Groundworks and Civils	Site & Civils	✓ TP ✓ FEng ✓ fPCMS*	✓ BOP / ME & HVAC ✓ Associated Dev. ✓ EP	✓ Operator ✓ Surveys & MPs	▸ DP	✖ OE
Operator Capability	Operator	✓ TP ✓ FEng ✓ fPCMS	✓ BOP / ME & HVAC ✓ Associated Dev. ✓ EP	✓ DP ✓ Site & Civils ✓ Surveys & MPs		✖ OE
Site Investigations / Archaeological Surveys/ Major Permissions	Surveys & MPs	✓ TP ✓ OE ✓ FEng	✓ BOP / ME & HVAC ✓ Associated Dev. ✓ EP	✓ DP ✓ Site & Civils ✓ Operator	▸ fPCMS	

COI Matrix Definitions

GBE-N Contractor

Any legal or natural person, that is directly contracted by GBE-N, including a company, partnership, unincorporated joint venture or consortium

Where the GBE-N Contractor is an incorporated joint venture, or other incorporated consortium vehicle, this definition applies to that entity alone.

Where the GBE-N Contractor is an unincorporated joint venture, consortium or partnership, this definition applies to each constituent, each acting jointly and will be jointly and severally liable in accordance with the terms of the relevant contract.

Tier 1 Contractor

Any legal or natural person that is in direct contract with the GBE-N Contractor in connection with the delivery of the SMR Programme, including a company, partnership, unincorporated association, joint venture or consortium.

Where such person is an incorporated joint venture or other incorporated consortium vehicle, this definition applies to that entity alone.

Where such person is an unincorporated joint venture, consortium or partnership, this definition applies to each constituent, each acting jointly and will be jointly and severally liable in accordance with the terms of the relevant contract.

Tier 2 Contractor

Any legal or natural person that is in direct contract with a Tier 1 Contractor in connection with the delivery of the SMR Programme, including a company, partnership, unincorporated association, joint venture or consortium.

Where such person is an incorporated joint venture or other incorporated consortium vehicle, this definition applies to that entity alone.

Where such person is an unincorporated joint venture, consortium or partnership, this definition applies to each constituent, each acting jointly and will be jointly and severally liable in accordance with the terms of the relevant contract.