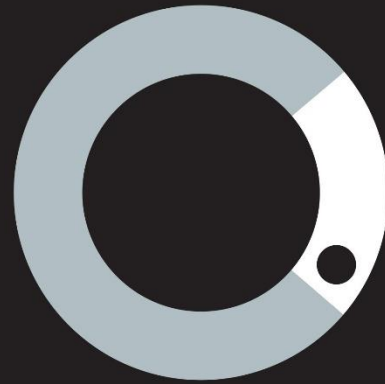




Meeting our commitments in the North of England

July 2023



Cumbria
Chamber of Commerce

Suzanne Caldwell, Managing Director

Where Business Belongs...



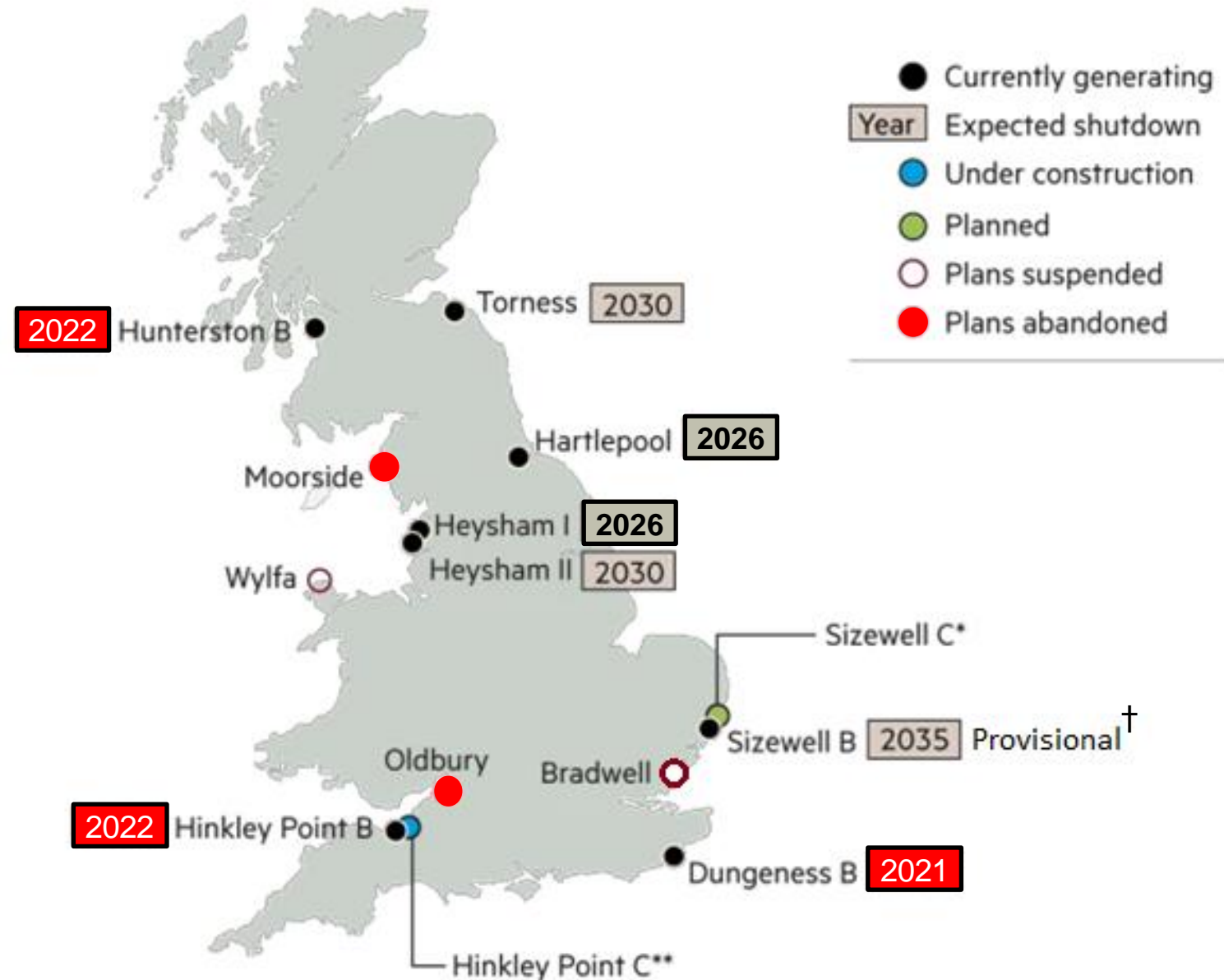
Steve Carroll

Sizewell C

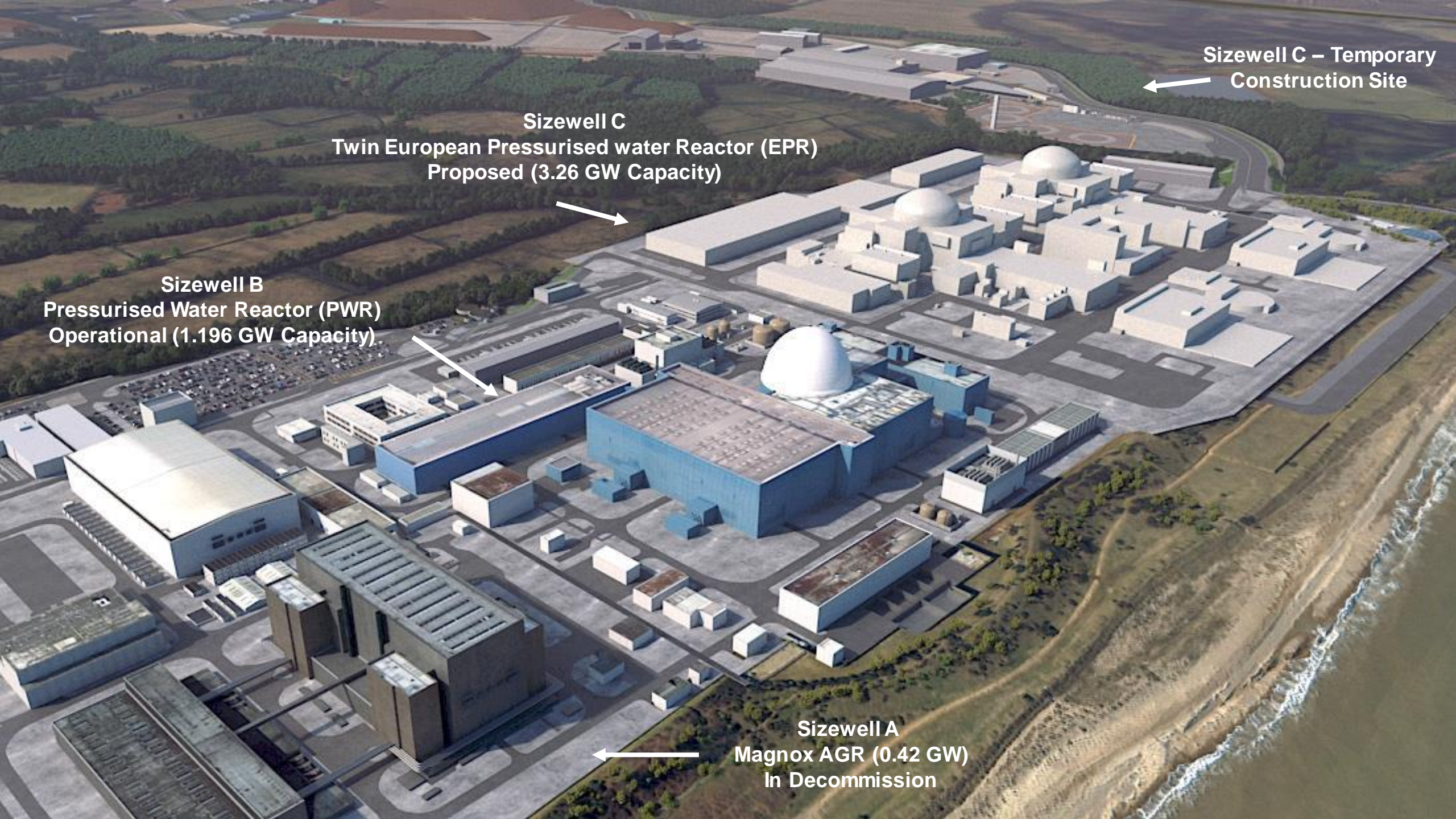
Supply Chain

July 2023

Status of UK's existing and proposed nuclear power stations



*Planning application approved **Planned in-service date: 2028 † Likely to be extended to 2055



Sizewell C – Temporary Construction Site

Sizewell C
Twin European Pressurised water Reactor (EPR)
Proposed (3.26 GW Capacity)

Sizewell B
Pressurised Water Reactor (PWR)
Operational (1.196 GW Capacity)

Sizewell A
Magnox AGR (0.42 GW)
In Decommission



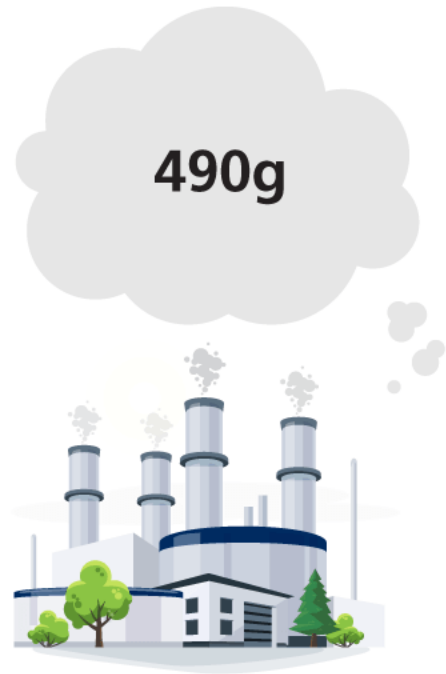
All the objects shown **green** on the picture will copy the UK approved design of HPC



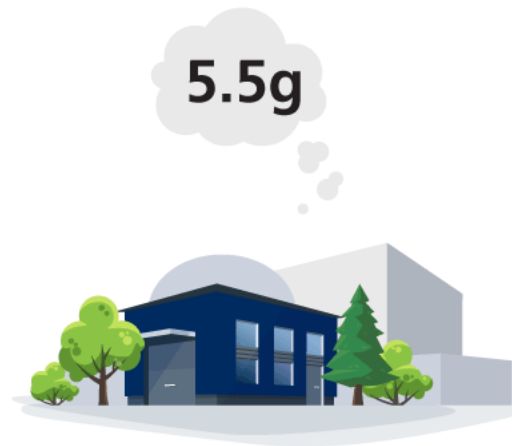
Sizewell C will have lower lifecycle carbon emissions than wind and solar. All three technologies will be essential in helping Britain achieve net zero.

Visit sizewellc.co.uk for more info

Carbon produced by different energy sources per kilowatt-hour of electricity generated, CO₂ eq



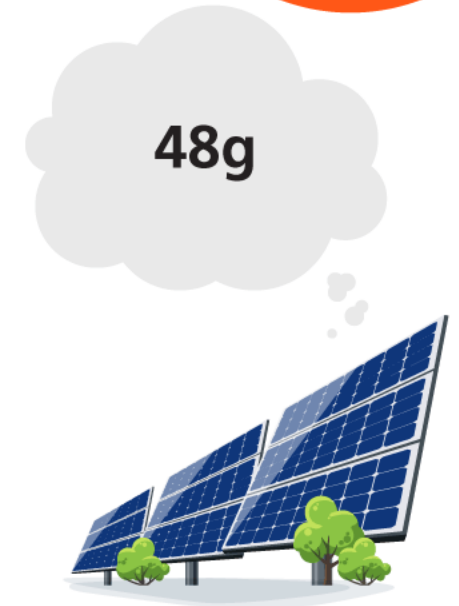
Gas



Sizewell C nuclear power station



Offshore wind



Solar

The carbon avoided by generating electricity from Sizewell C rather than from a gas-fuelled power station means that it will 'offset' its construction emissions within a few months of operation.

Source: Sizewell C emissions based on 2021 LCA estimate. Gas, offshore wind and solar emissions based on 2014 IPCC median estimates.

SIZEWELL C IS A PROPOSED NEW NUCLEAR POWER STATION

THAT WILL BE BUILT ON THE SUFFOLK COAST



IT WILL
SUPPLY
POWER TO **6** MILLION HOMES
AND GENERATE
ELECTRICITY FOR 60 YEARS

SIZEWELL C WILL PROVIDE LOCAL JOBS, TRAINING AND EDUCATION BENEFITS

SIZEWELL C
WILL SAVE
9 MILLION
TONNES OF CO₂
EMISSIONS EVERY
YEAR OF OPERATION



SIZEWELL C
WILL TAKE
9-12 YEARS TO BUILD

SUPPORT
233,000*
UK
JOBS



- **2022 – The year of milestones**
- Sizewell C Development Consent Order – 20th July 2022
- Prime Minister visit to Sizewell C – 1st September 2022
- Start of preparatory/Early works – 8th September 2022
- Government investment decision announced - 29th November 2022
- Judicial Review – Successful
- Final investment decision – In this parliament



• 2023 – The year of transition

- Sizewell C setting up ‘Delivery organisation’
- Supply Chain strategy, Minimum standards, Tender event schedule etc all under revision
- Ongoing work to secure all funding
- Early works with existing Tier 1’s underway
- Focus on establishing ESG principles across project
- Meet the Buyer events on horizon
- Increased input and sharing of experience from HPC
- Chance to all ‘Get Ready’

£2.5_{bn}

To be spent in the **North of England** during construction

£4.4_{bn}

To be spent in the **East of England** during construction

£900m

To be spent in **Wales** during construction

£2.0_{bn}

To be spent in **Suffolk** during construction
(N.B. a subset of East of England, not additional)

• The National Commitment

- Core commitments aligned to UK levelling up
- Future Nuclear supply chain focusing on GB Nuclear
- Partnerships and sharing of expertise
- Funnel for all regional engagement activities in the UK
- Huge % of spend in core regions



• Commitments to the North

- MOU Signed with 4 MP's
- £2.5bn over the lifetime of construction
- Support 13,000 job opportunities
- Commits intention of UK pipeline of EPR development from Sizewell C to Moorside
- Hold annual business summit
- Ensure social value strategy leaves legacy in the North
- Create a supply chain hub in the North

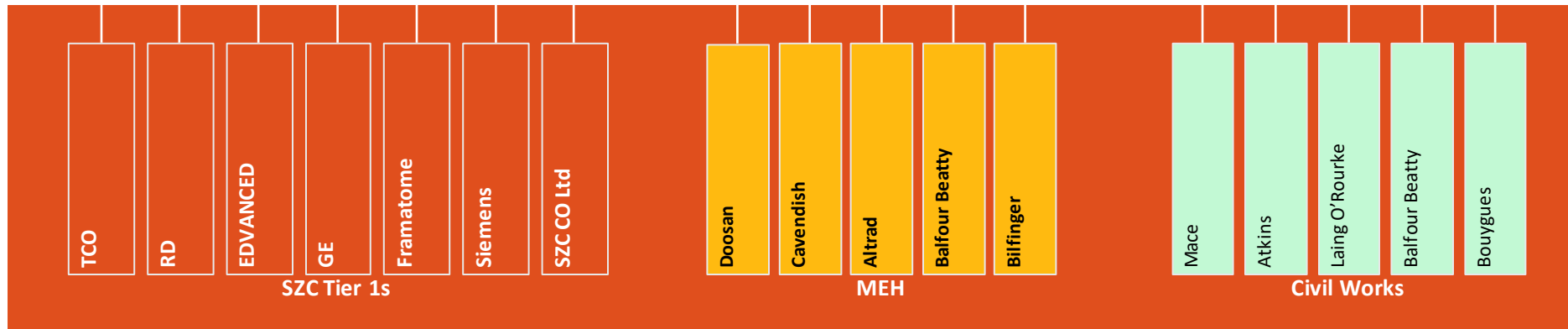


• Why the North?

- Northern suppliers form important part of HPC
- Nearly 2/3's of the UK Nuclear sector is in the North
- Enables pipeline development to support future sights at Wylfa/Moorside/Others
- Supports future technologies such as AMR/SMR and Nuclear generated Hydrogen
- Potential UK EPR fuel manufacture

The Supply Chain

Client – Sizewell C Company



Supply Chain
(Tier 2+ suppliers)

Supply Chain
(Tier 3+ suppliers)



SizewellC
Consortium



Indicative SZC Construction Timeline

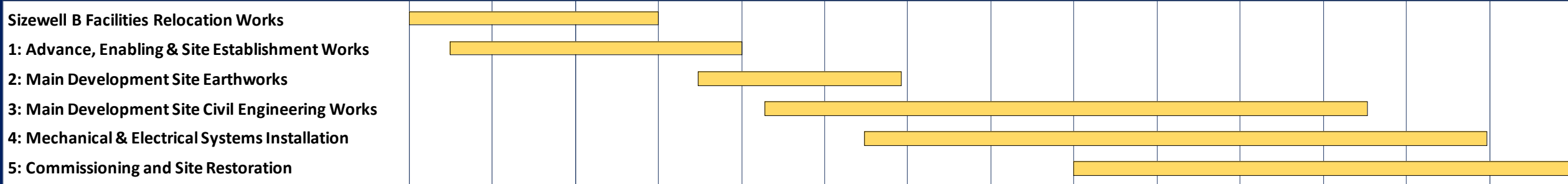
Preparing to be 'shovel ready' in 2024



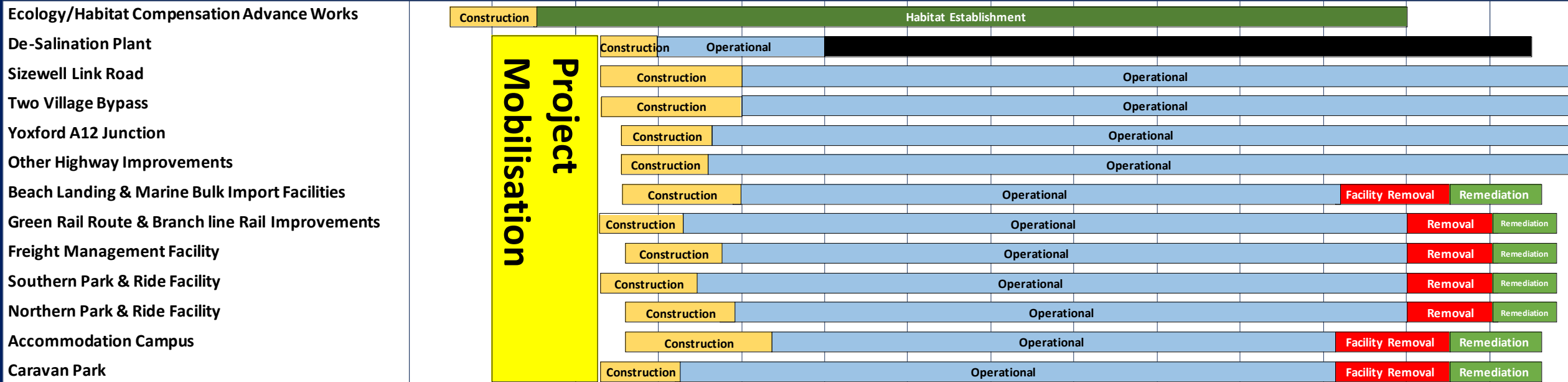
Source Information: Sizewell C Development Consent Order: Completed Deed of Obligation – Dated October 2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
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Key Milestones	DCO	GID	FID			JO								
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Construction Phases



Enabling Works, Offsite Associated Developments & Site Establishment





Sizewell C has vast potential:

The Energy Hub

- Produce **Low Carbon Hydrogen**, using heat to make electrolysis more efficient
- Capture significant amounts of carbon dioxide via **Direct Air Capture**
- Enable production of **Clean Fuels** for shipping and aviation
- Provide clean heat for industrial processes and for **District Heating**
- Cool **Data Centres** using nuclear energy
- Work with **Freeports** to provide clean heat and power
- Power **Desalination Facilities** to meet water requirements



- Sizewell C will deliver a net gain in local biodiversity of 19%.
- Sizewell has won awards for the biodiversity management of the estate.
- An independent environmental body will be set up to support rewilding and promote further biodiversity.
- The DoO package includes up to £100m for the environment, £78m of which is dedicated to enhancement through a new Environmental Body.
- Aldhurst Farm is 67 hectares of new habitat created by Sizewell C, benefiting a variety of wildlife as well as rare plants.



Ashley Shorey-Mills

Suffolk Chamber of Commerce

Head of Sizewell C Supply Chain

Engagement

The Civil Works programme

Earthworks
£450m
(BB, BY & LOR)

Advanced Works
£200m
(MACE / BB)

Site Establishment
£600m
(MACE / BB)

Engineering & Design
£360m
(ATKINS)

Enabling Works
£670m
(BB, BY & LOR)

Site Ops & Logistics
£1.3bn
(Alliance)

Total Civil Works
Estimated Value
£8-10bn

Associated Developments
£490m
(MACE / BB)

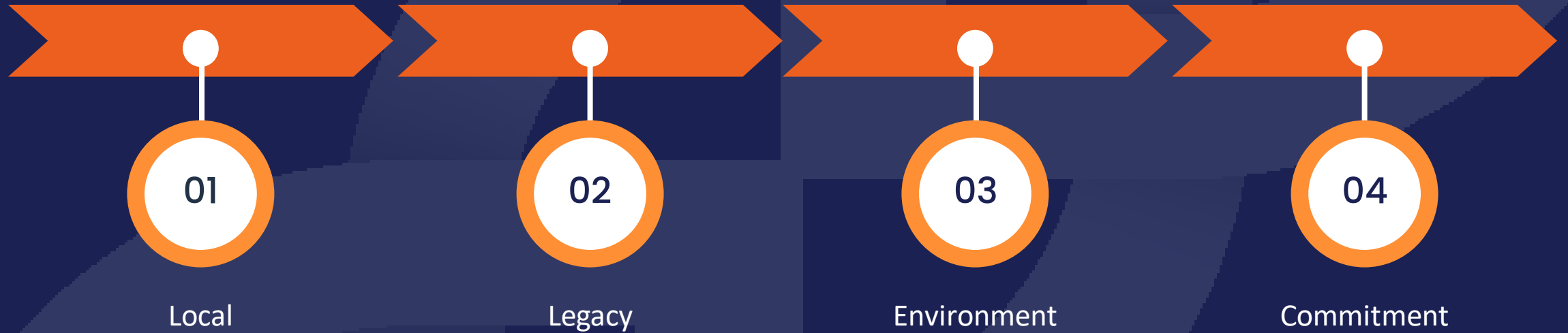
Marine & Tunnelling
£1.2bn
(BB & BY)

Ancillary Works
£240m
(TBC)

Main Civils Works (CI/BOP)
£1.8bn
(BY & LOR)

Main Civils Works (NI)
£2bn
(BY & LOR)

Our Key Themes



Our Key Themes

Local

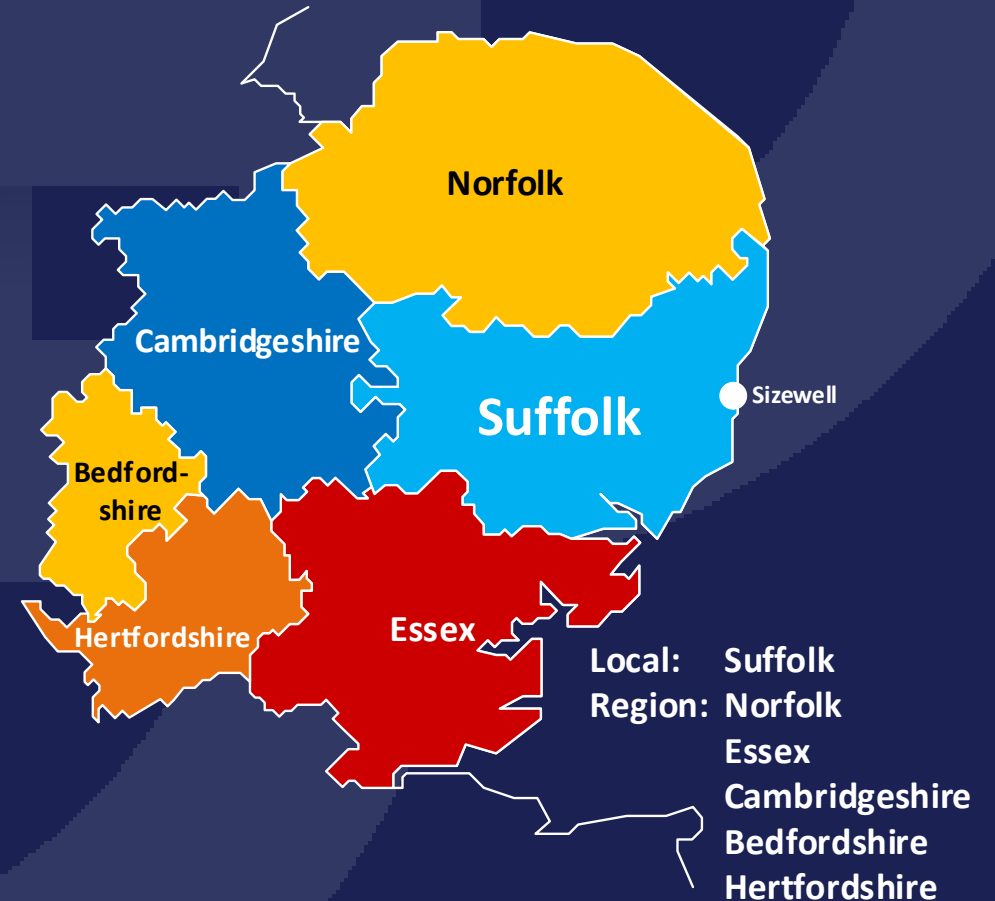
- Local jobs - Employing people from this region
- Local skills - Expanding & training of new and existing workforce
- Local opportunities – Projects on and off site across the region
- Joint ventures – Fostering Collaboration over competition

Legacy

- Positive and enduring impact for the area & region
- Building a business community fit for future growth
- Preparing Business for large infrastructure projects
- Increasing Diversity and Inclusivity in the workplace
- Improving health, wellbeing and community cohesion

Environment

- Contributing to the UK's 2050 net Zero ambitions
- Reducing environmental impact and promoting increases in biodiversity



Route to access support

- All available opportunities will be given advanced notice through our supply chain engagement programme
- All direct business support available will be shared through agreed avenues
- SCOC > BECBC > North
- Direct support through webinars and peer to peer



£2.5bn

To be spent in the **North of England** during construction

£4.4bn

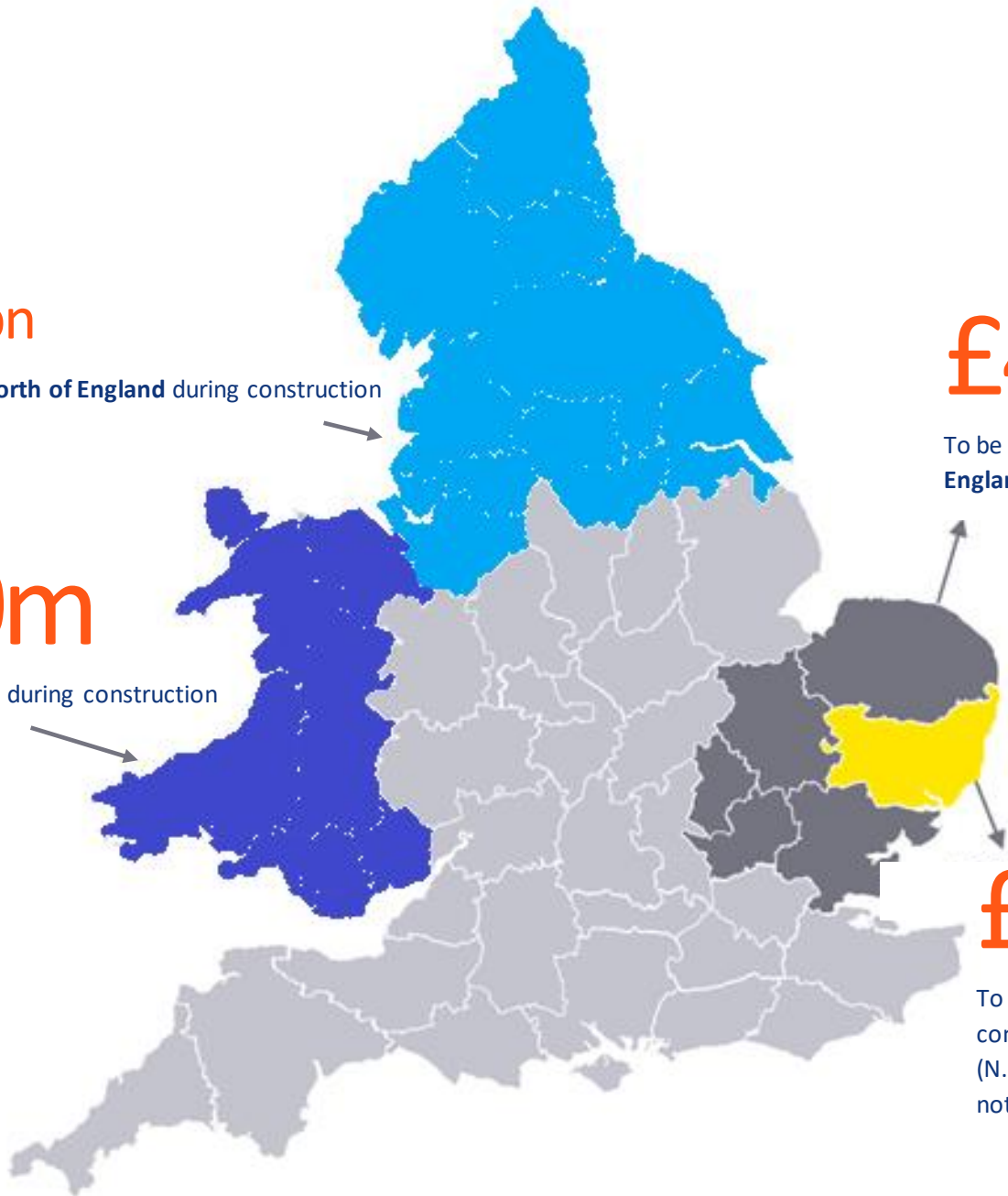
To be spent in the **East of England** during construction

£900m

To be spent in **Wales** during construction

£2.0bn

To be spent in **Suffolk** during construction
(N.B. a subset of East of England, not additional)



Social Value

What does this mean?

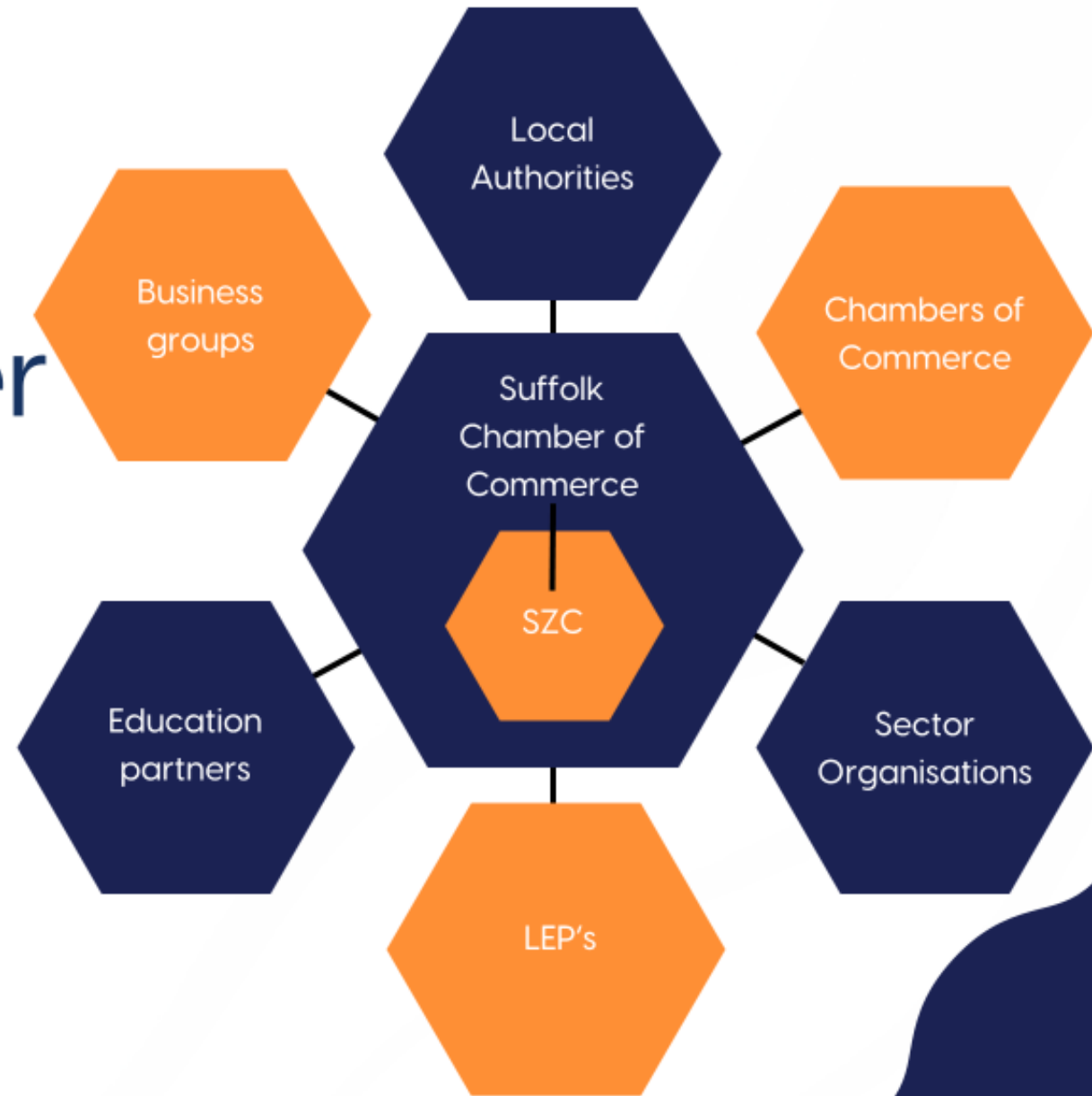
The local supply chain forms a key part of the projects strategic aims and the UK Governments wider social value alignment



The Supply Chain

Feeding in to Suffolk Chamber of Commerce

All sectors can be represented on this project. The vital action is to increase awareness and direct support through the correct channels





Methods of Support

How will we help you

- Intro's & Recommendations to Alliance and Tier 1's
- Nuclear Safety culture & practices
- Health & Safety and Compliance
- Contracting standards & requirements
- Funding and training
- Collaboration & JV's
- Innovation support
- Compete For & Supply Chain Portal
- Social Value & ESG

 **SIZEWELL C
SUPPLY CHAIN**
CONNECTING BUSINESS TO OPPORTUNITY

 **Sizewell C**
The power of good for Britain

 **Suffolk
Chamber of
Commerce**

Supply Chain Portal

- Please visit www.sizewellcsupplychain.co.uk regularly for updates on the project.
- There you will also find useful background information about the nuclear sector, training, funding and business support.
- Registration is free and allows you to highlight the capabilities of your company to help us position you for relevant events and opportunities as they become available.
- Please make sure your registration is complete with up to date, so we can contact you for opportunities and our supplier matching activities as they arise.....
- Consistent engagement with the portal and our team is critical



The screenshot shows the homepage of the Sizewell C Supply Chain Portal. The header features the logo for 'SIZEWELL C SUPPLY CHAIN' with the tagline 'CONNECTING BUSINESS TO OPPORTUNITY'. To the right of the logo is a search bar labeled 'search the directory...' and a dropdown menu labeled 'Select a category...'. In the top right corner, there is a 'LOGOUT' button. The navigation menu includes links for 'HOME', 'ABOUT', 'WORK PACKAGES', 'NEWS', 'SUPPORT', 'EVENTS', 'FAQs', 'CONTACT', and a prominent 'UPDATE ACCOUNT' button. The main content area has a large heading: 'Connecting Business to Opportunity' followed by 'Sizewell C Supply Chain'. Below this, there is a paragraph of text: 'Plans to build Sizewell C received approval for their Development consent order in July 2022, and received Government investment decision in November 2022.' Another paragraph follows: 'With work planned to start in 2023, the Suffolk Chamber of Commerce and Sizewell C are working together to engage with the local and regional businesses from across East Anglia to ensure that long term local benefits are felt from this nationally significant infrastructure project'. A final paragraph at the bottom states: 'The Sizewell C Supply Chain Engagement team are here to support and guide local businesses,'. On the right side of the page, there is a large image of a woman wearing a white hard hat and an orange safety vest, looking towards the right. Below this image is a smaller image showing a construction site with cranes and scaffolding.

Compete For

- Sizewell C opportunities will be advertised on CompeteFor
- To have access to tenders you must register on CompeteFor.
- Once registered, complete & publish your business profile to allow you to respond to opportunities.
- When logged in to CompeteFor, complete your email alert profile to keep up to date with opportunities that are relevant.
- Please find our helpful videos for setting up your business profile & email alerts - <https://www.competefor.com/video-guides/>

The screenshot shows the CompeteFor website interface. At the top, it identifies itself as the 'Official partner of CompeteFor' and 'The UK supply chain portal', with 'Login' and 'Register' buttons. The main banner features the 'Sizewell C' logo with the tagline 'The power of good for Britain' over a sunset landscape. A navigation bar includes 'Opportunities', 'Awardee Information', 'Project News', 'Events', and 'About'. On the right, a 'Latest 10 opportunities' section lists 'Project Delivery Organisation Subs Bench' with a deadline of 31/10/22 and a 'View all >' link. Below this is a 'View all opportunities' button. The main content area contains three informational blocks: 1) A paragraph describing Sizewell C as a landmark project for two EPR nuclear reactors on the East Coast of Suffolk, England, with a capacity of 3,260 MWh. 2) A graphic stating 'SIZEWELL C IS A PROPOSED NEW NUCLEAR POWER STATION THAT WILL BE BUILT ON THE SUFFOLK COAST', which 'IT WILL SUPPLY POWER TO 6 MILLION HOMES AND GENERATE ELECTRICITY FOR 60 YEARS'. 3) A graphic stating 'SIZEWELL C WILL PROVIDE LOCAL JOBS, TRAINING AND EDUCATION BENEFITS', 'SIZEWELL C WILL SAVE 9 MILLION TONNES OF CO2 EMISSIONS EVERY YEAR OF OPERATION', and 'SIZEWELL C WILL TAKE 9-12 YEARS TO BUILD SUPPORT 900 PERMANENT JOBS'. At the bottom, it notes 'Sizewell C has a clear advantage: it is a follow-on'.

Keeping up to date

Please visit www.sizewellcsupplychain.co.uk regularly for updates on the project. There you will also find useful background information about the nuclear sector, training, funding and business support.

If not signed up, registration is free and allows you to highlight the capabilities of your company to help us position you for relevant events and opportunities as they become available. Please make sure your registration is complete with up to date, so we can contact you for events or opportunities as they arise.

For Tender notifications please visit www.competefor.com/sizewellc and to submit application for tenders please register on: <https://www.competefor.com/business/signup.html>. For “how-to” guides: <https://www.competefor.com/video-guides/>

The Sizewell C Development Consent Order (DCO) Document Portal contains extensive project information on the details and plans submitted to the Planning Inspectorate, and these can be found at: www.sizewellcdco.co.uk/view-documents/

For more information please email the team : ashley@suffolkchamber.co.uk





Plan your next steps

Consider today

- The project is moving into 'Delivery Mode'
- The commitment has been made
- Now it is time for you to start to get ready
- Front foot and be agile
- This is real... Start to have those conversations
- We still have time, but it will start soon
- The support is there, what support do you need?

Optimising Skills Opportunities created by SZC and Nuclear

05 July 2023



All the objects shown **green** on the picture will copy the UK approved design of HPC

Education, Skills and Employment: Our overarching approach

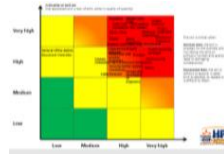
Four Basic Objectives:

1. Minimise workforce risk, maximise productivity
2. Right Workforce, Right Place Right Time - Supply the required workforce
3. Do Good - Deliver more than a power station – social mobility, local, Regional and UK benefit

Our guiding principles are to:

Be Demand-led

Focus on the critical needs of the project – the legacy left by SZC will be strongest if the project is successful and runs to programme.



Learn from HPC, SZC

Make the most of the information and experience available to us: Redeploy best practice and revise approach where improvements are needed.



Understand the Landscape

Ensure that local characteristics, issues and stakeholder relationships are fully understood and accurately reflected in our approach.



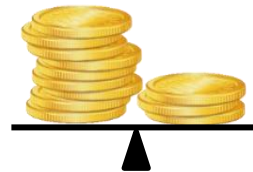
Maximise the Fleet Effect

Utilise the intellectual capital and supply chain knowledge gained through delivering HPC to drive productivity and deliver cost savings.



Invest Wisely

Don't reinvent the wheel – work with local and regional partners to support existing service provision where it can meet project needs, following a 'plug and play' model.



Grow the Pool

Mitigate workforce risk by working proactively with local service providers and complementary industries in the region to improve skills locally.



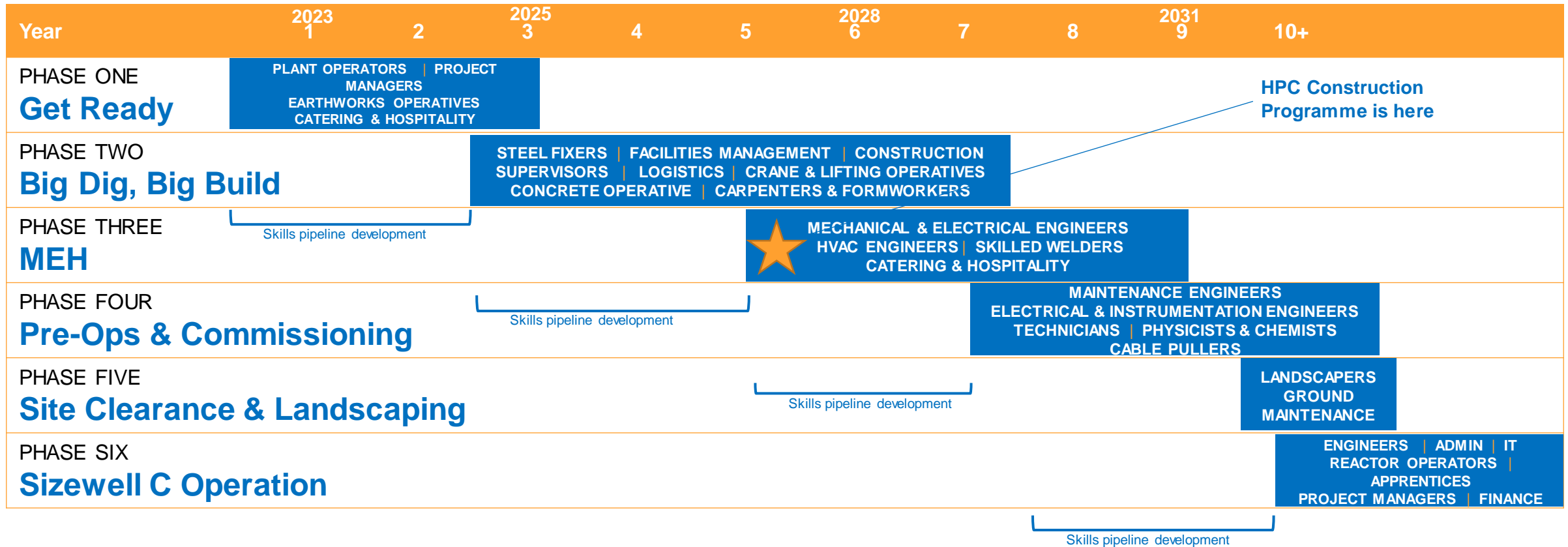
If we are successful, we will have:

- Secured the right workforce, in the right place, at the right time
- Managed workforce churn and displacement effectively
- Minimised wage inflation and maintained a stable IR framework
- Collaborated positively with supply chain and other sectors
- Delivered a sustainable legacy and generated real social value

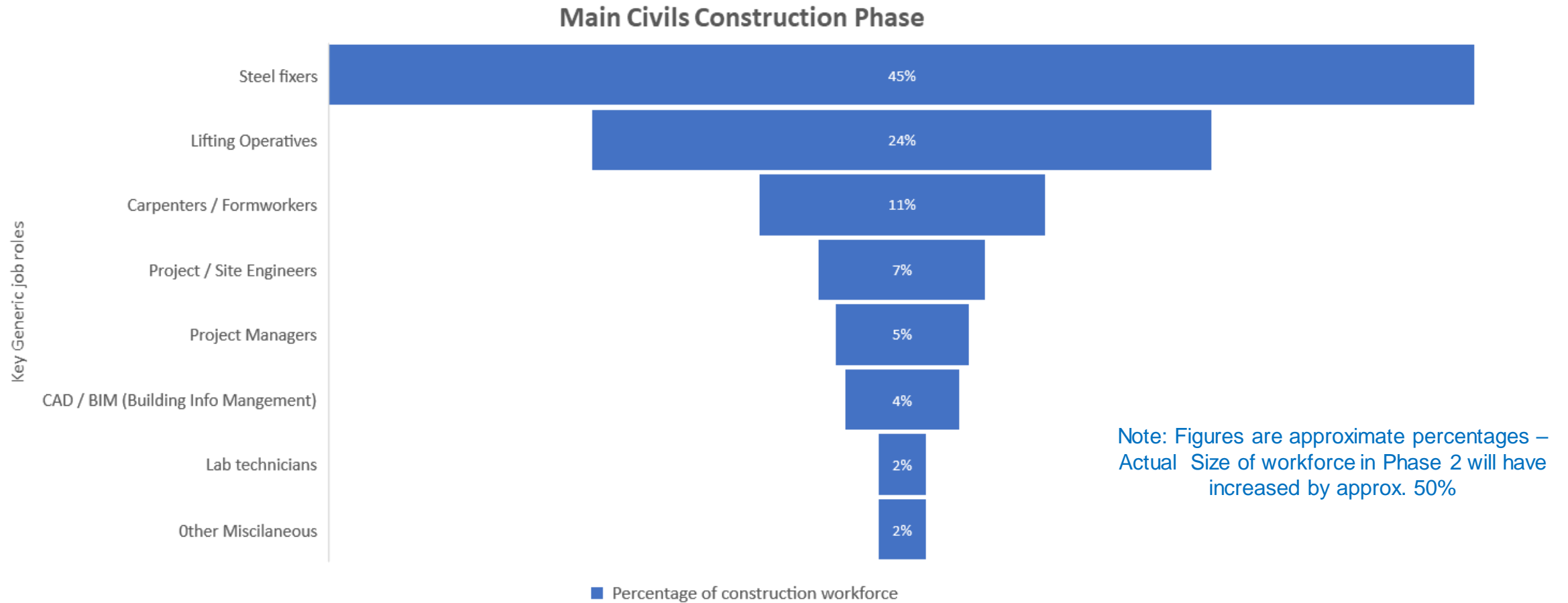


Skills Pipeline Development

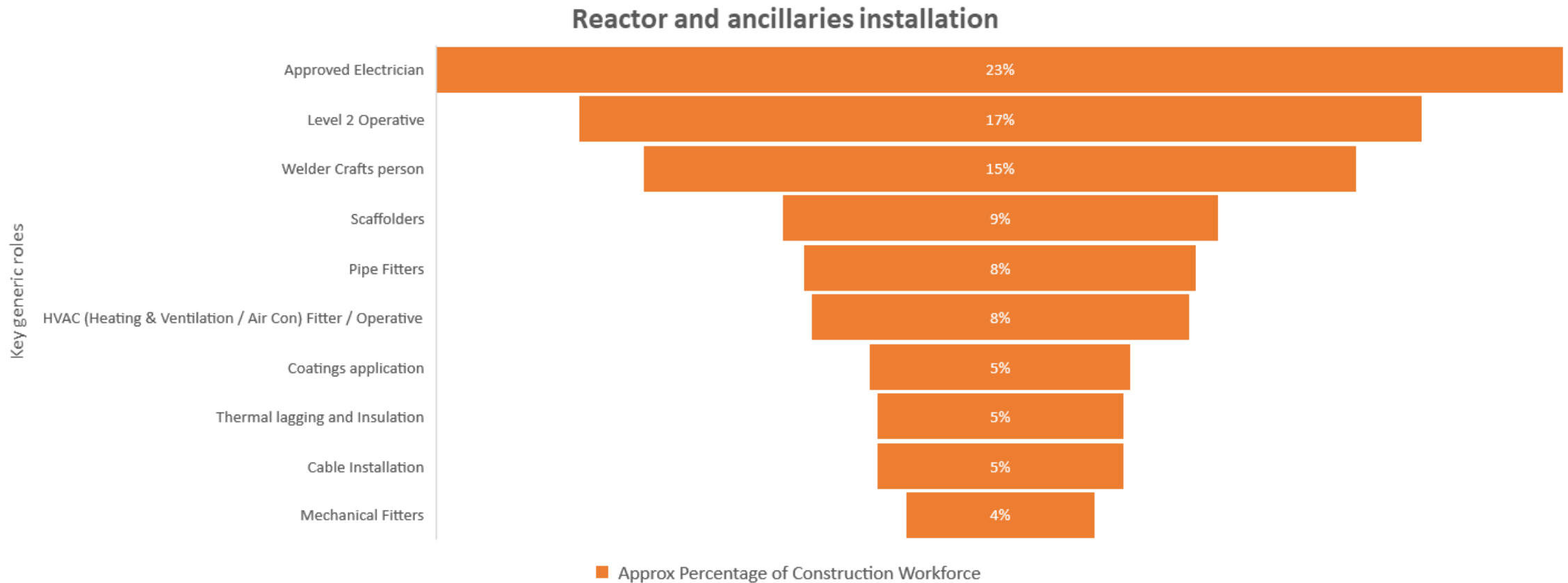
By Project Phase



Overview of roles & skills during Main Civils



Overview of roles & skills during key phases 4/4

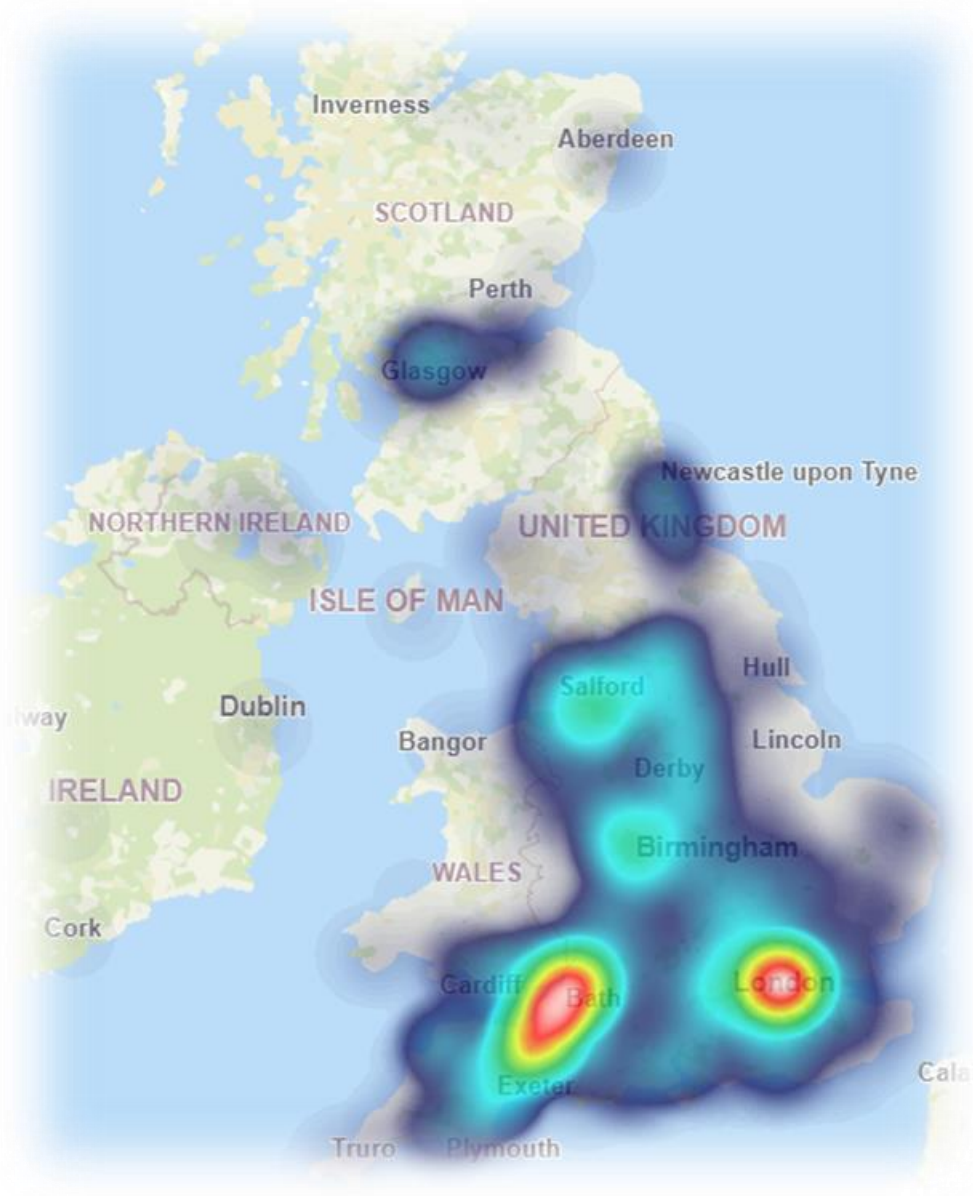


A final word on apprenticeships and I&D

Sizewell C will deliver, at least

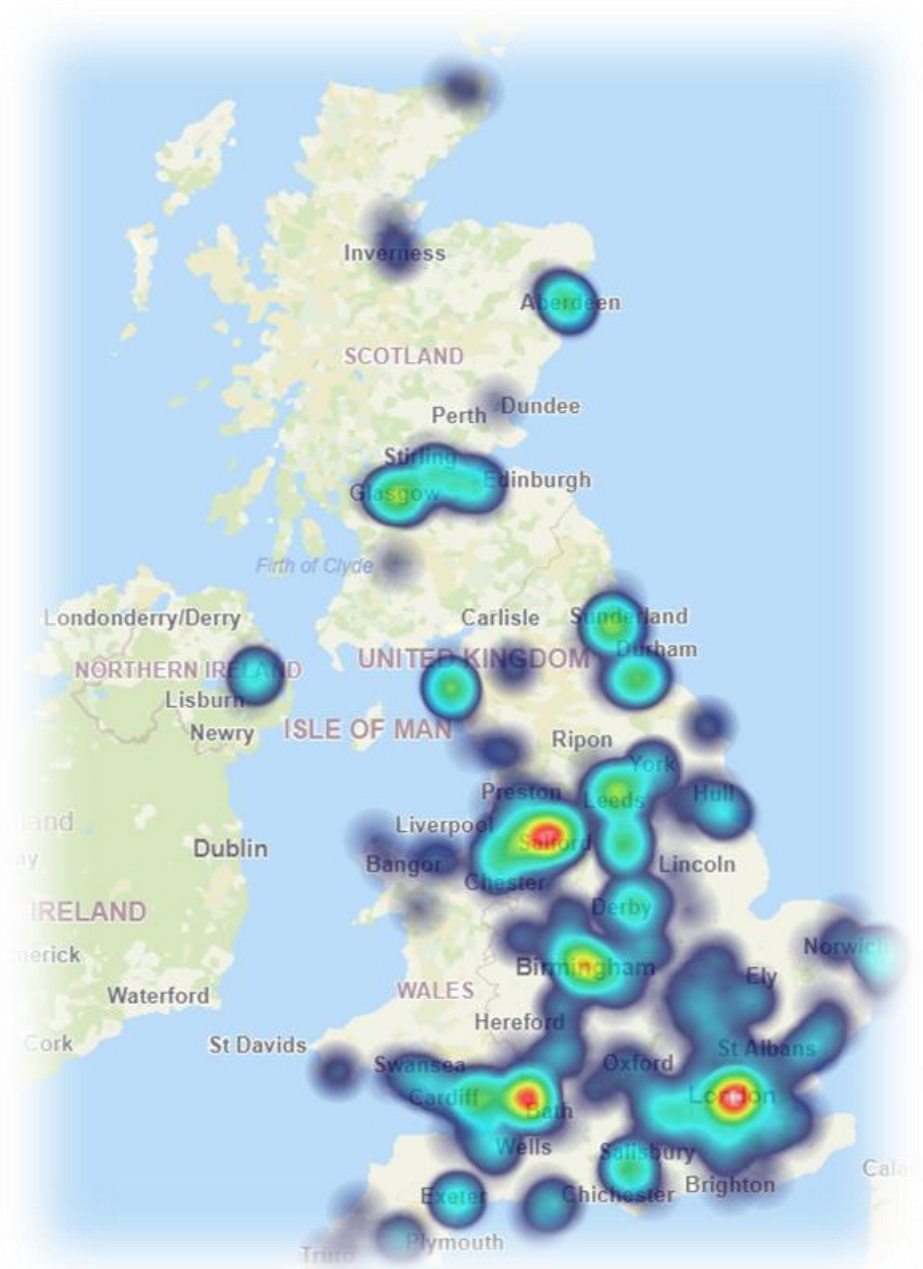
15000

**apprenticeship opportunities
throughout the Construction period**



More than **2,500 UK-based suppliers** currently provide goods and services to Hinkley Point C.





Mapping the membership of the Sizewell C Consortium provides insight into the potential regional impact for Sizewell C.





39% of Hinkley Point C's
is Local

The rest is **national**;
creating jobs and
prosperity nationwide.