



Building the Sizewell C Supply Chain

EEGR SNS2023

May 25th 2023

www.sizewellcsupplychain.co.uk



Building the Sizewell C Supply Chain

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www.sizewellcsupplychain.co.uk







AT LEAST 45% RAIL FREIGHT

LOGISTICS
 MANAGEMENT STRATEGY
 CONTROL | PERFORMANCE VISIBILITY
 MINIMISE IMPACT | INNOVATION
 TIME AND COST CERTAINTY | DRIVE PRODUCTIVITY

AT LEAST 15% MARINE FREIGHT

UP TO 40% ROAD FREIGHT

- 6.6km Existing Line Enhancements
- 33 Level Crossings Upgrades
- 9.7km New Temporary Rail Track

- 528,000 HGV Movements Avoided
- Up To 4 Trains Per Day 1250t per Train
- 2 Project Rail Heads

- Up To 7,000,000t Rail Imported Material

- 12.5km Tunnels

- 766km Project Utilities

- 82,000m² Building Accommodation

- 2,000,000 sq ft Warehousing/Consolidation

- Typical 250 HGVs/Day

- The World's Largest Crane

- 11km New Roads Over 4 Schemes

- Delivery Management System

- Freight Management Facility

- 4,000,000t Backfill

- 1,200,000t Steel/Reinforcement

- 4,500t Import Per Tide

- Beach Landing Facility

- Bulk Import Facility



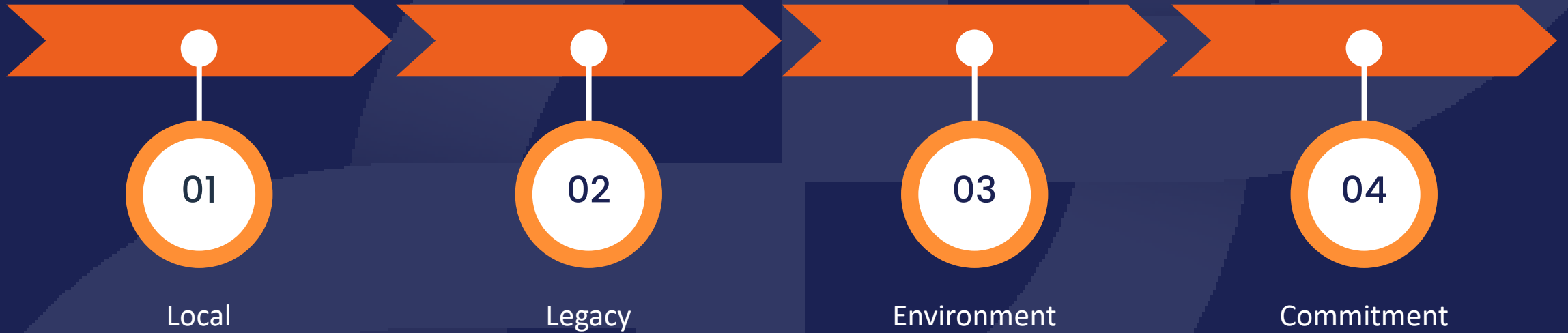
Methods of Support

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



Our Key Themes



Our Key Themes

Local

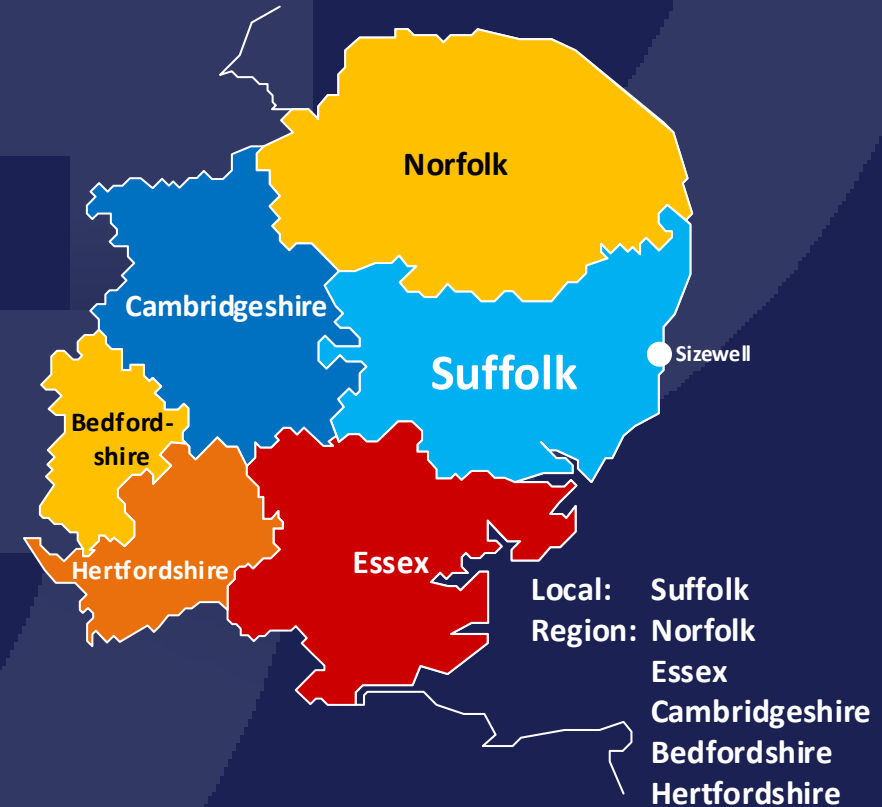
- Local jobs - Employing people from this region
- Local skills - Expanding & training of new and existing workforce
- Local opportunities – Projects on and off site across the region
- Joint ventures – fostering Collaboration rather than competition

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



The National Commitment

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



£2.5bn

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

£4.4bn

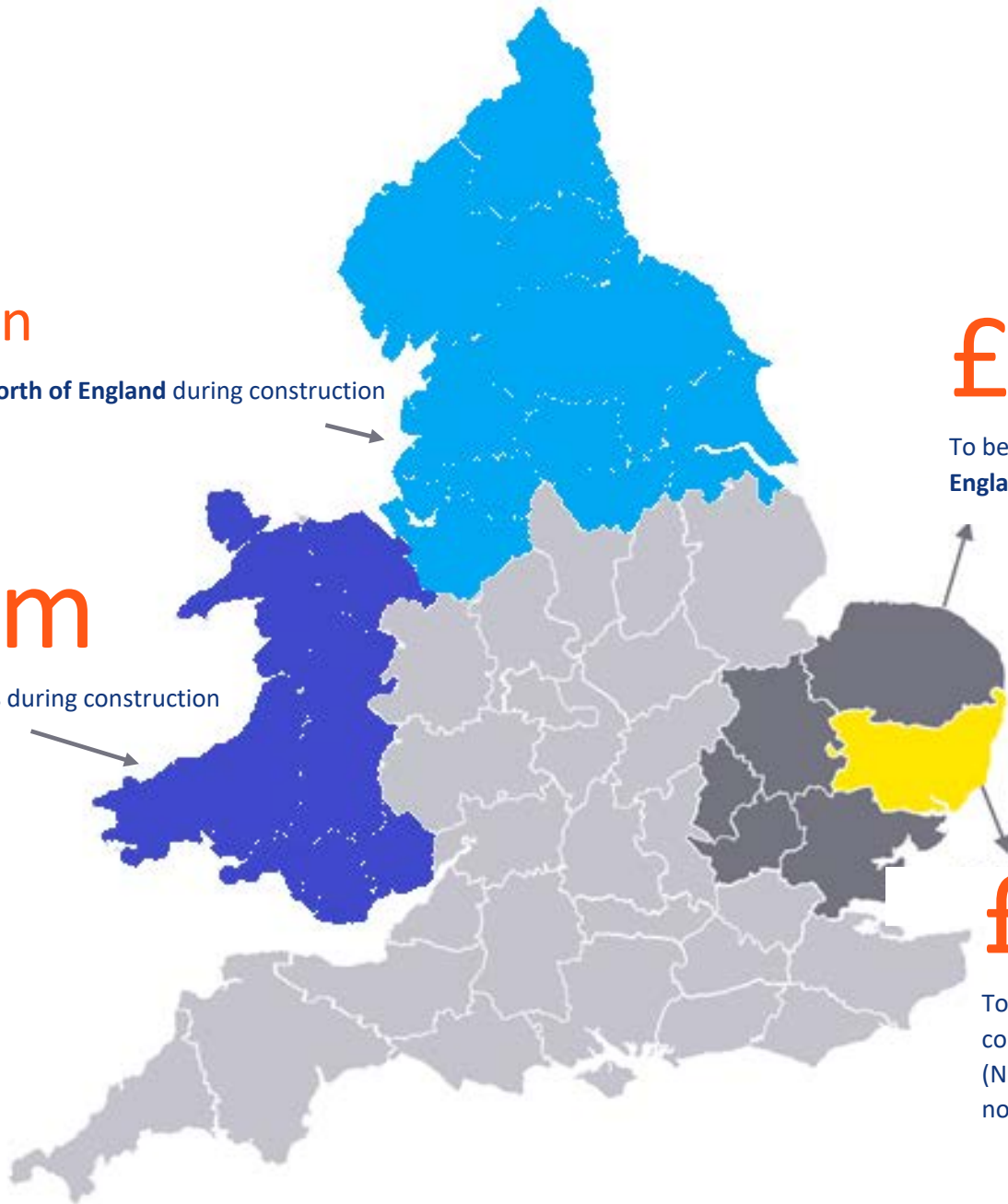
To be spent in the **East of England** during construction

£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)





Local spend

Work is currently underway at various sites around the sizewell estate.

- Sizewell B relocated facilities work includes numerous local & regional firms such as Barnes Construction, Ad Bly construction & Tru Plant.
- The Marsh Harrier Habitat mitigation project to the north of the site includes both Cotswolds Archeology and Oxford Archeology, Holmes plant, Ardent hire solutions, Blackwell Earth Moving and Macc international ltd
- Arcadis have placed orders with 35 companies recently, with 60% of those being awarded to local and regional companies
- Plus success at HPC

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Building the Sizewell C Supply Chain

Tom Beales

Director

Armultra Ltd

www.sizewellcsupplychain.co.uk



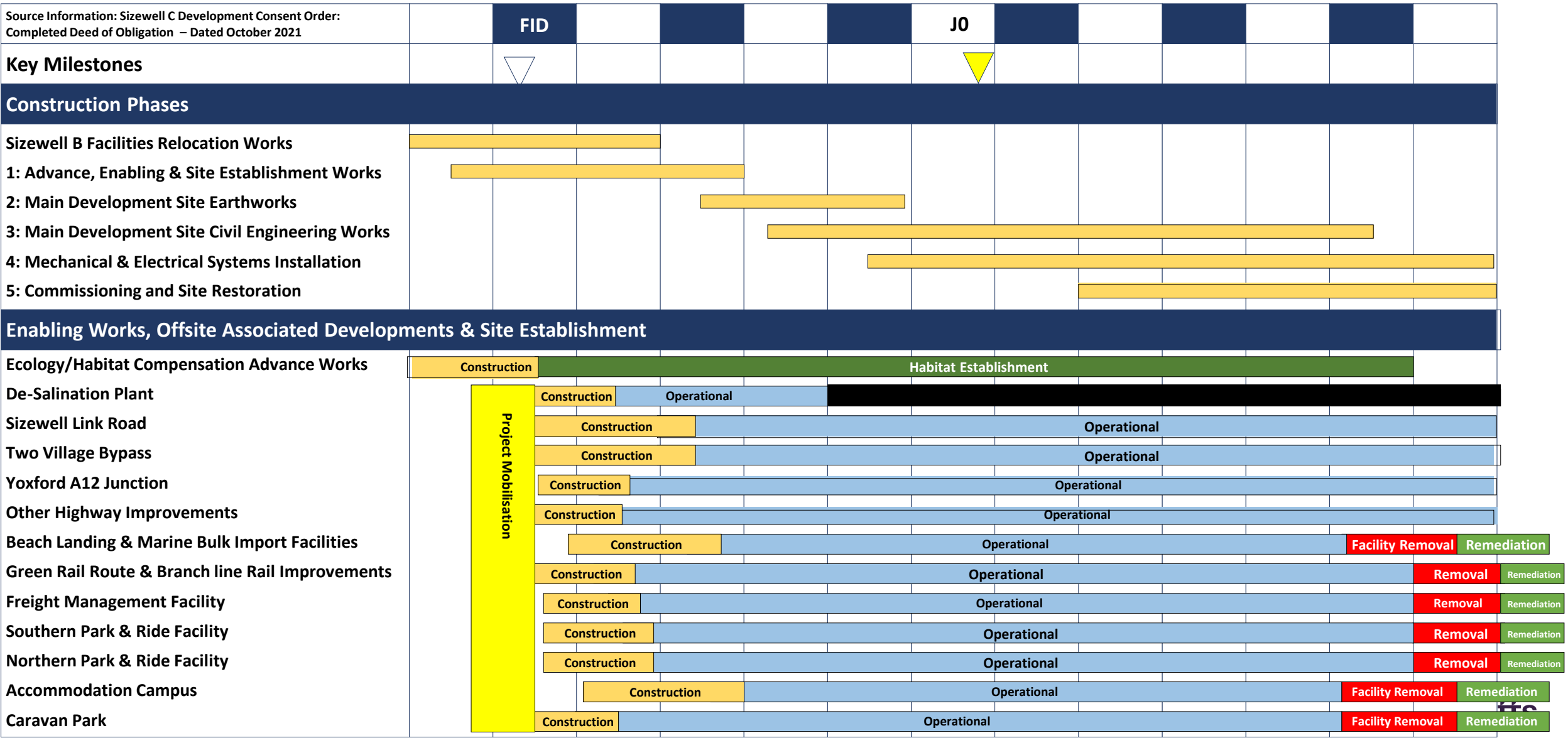
2023 – The year of transition



- 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 and supply chain
- Meet the Buyer events on horizon
- Increased input and sharing experience from HPC
- Chance to all 'Get Ready'

Indicative SZC Construction Timeline

Preparing to be 'shovel ready' in 2024



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



Social Value

The requirements sit under 5 distinct themes

- **Increasing UK content**

- Promote proximity of supply chain and the use of SME's
- Advertise all competitive tender opportunities to the market
- Support the UK steel industry

- **Investing in education, employment and skills**

- Improving people's skills and employability
- Employ local people
- Facilitate access to employment opportunities
- Provide opportunities for progression

- **Reducing the environmental impact of construction**

- Demonstrate progress towards achieving Net Zero
- Deliver additional environmental benefits
- Contribute towards SZC's CEEQUAL aspirations

- **Optimising opportunities for local communities**

- Reduce the carbon footprint of workforce journeys
- Reducing crime
- Creating a healthier community
- Vulnerable people are helped to live independently
- Work to improve the functioning and growth of local communities
- Support the creation of green spaces

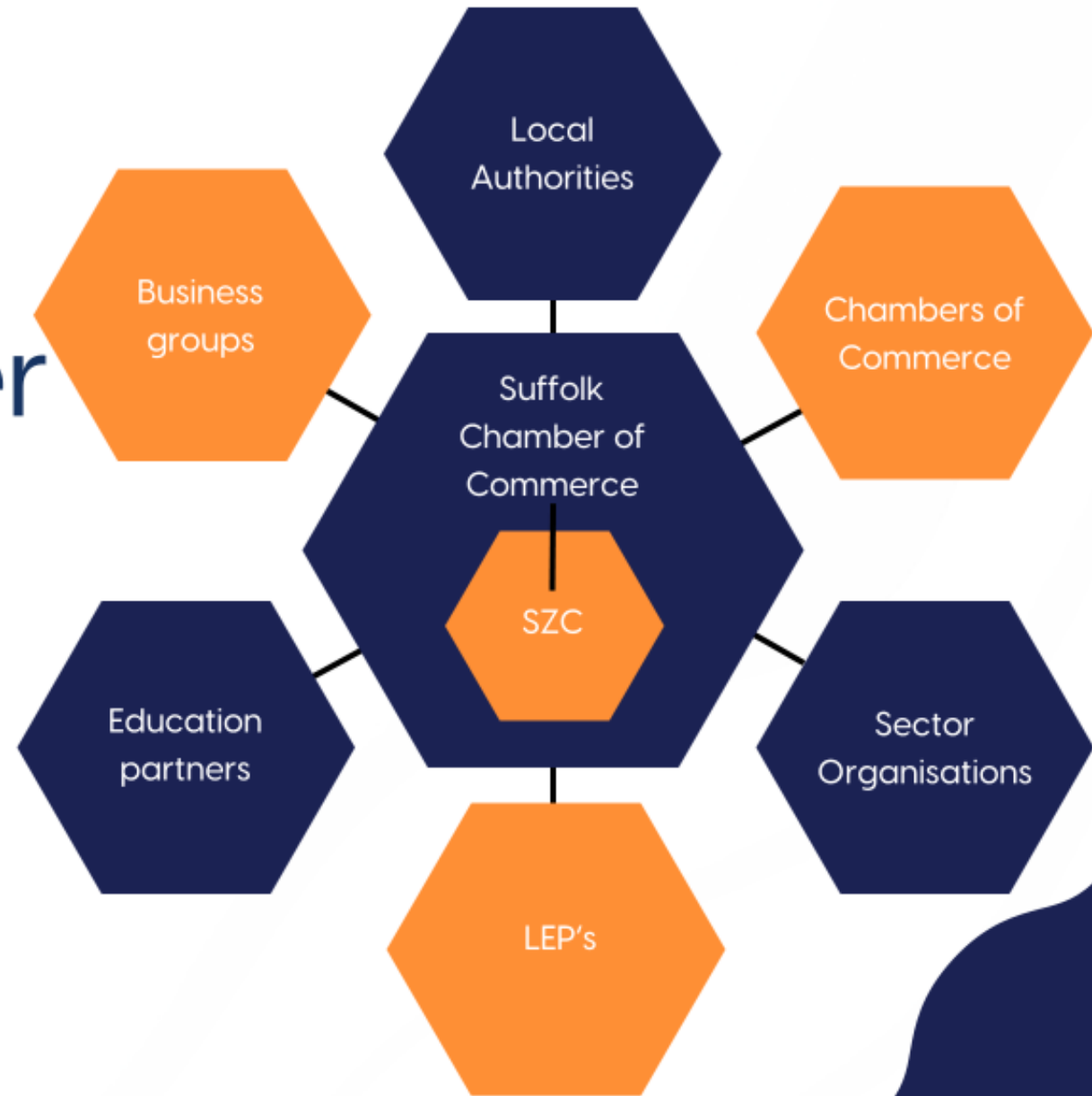
- **Tackling workforce inequality**

- Equal opportunity employment initiatives
- Promote gender balance
- Improve staff wellbeing
- Support economically inactive adults into work
- Creating employment opportunities for rehabilitating ex-offenders
- Creating employment opportunities for military ex-armed forces

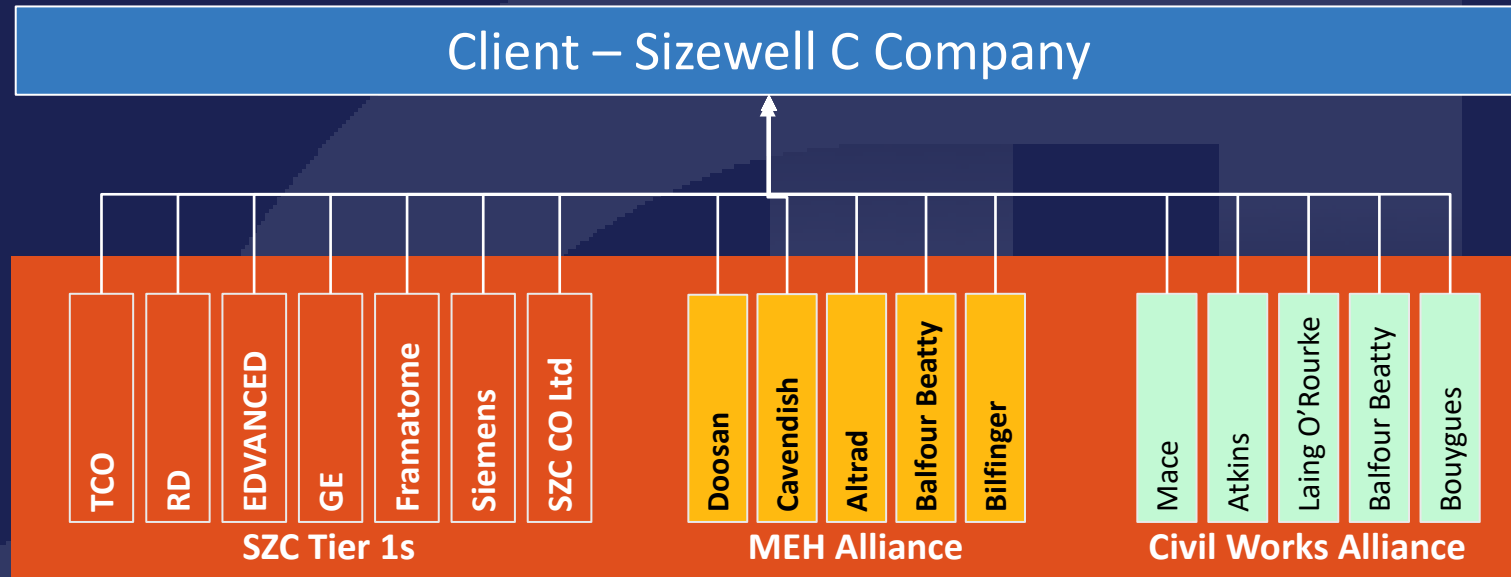
The Supply Chain

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



The Supply Chain



Supply Chain
(Tier 2+ suppliers)

Supply Chain
(Tier 3+ suppliers)

200+ potential suppliers



Sizewell C Consortium

The Civil Works Alliance

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)

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, which includes a stylized 'S' and 'C' icon and the text 'SIZEWELL C SUPPLY CHAIN' with the tagline 'CONNECTING BUSINESS TO OPPORTUNITY'. To the right of the logo is a search bar with the placeholder text 'search the directory...' and a magnifying glass icon. Further right is a dropdown menu labeled 'Select a category...' with a downward arrow. In the top right corner, there is a 'LOGOUT' button with a user icon. Below the header is a navigation menu with the following items: HOME, ABOUT, WORK PACKAGES, NEWS, SUPPORT, EVENTS, FAQs, CONTACT, and a prominent orange button labeled 'UPDATE ACCOUNT'. The main content area features a large heading: 'Connecting Business to Opportunity' followed by 'Sizewell C Supply Chain'. Below this 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.' This is followed by another paragraph: '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'. At the bottom of the main content area, there is a partial sentence: '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 to the right. Below this image is a smaller image showing a construction site with scaffolding and cranes.

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. Below the banner is a navigation menu with links for 'Opportunities', 'Awardee Information', 'Project News', 'Events', and 'About'. A sidebar on the right lists 'Latest 10 opportunities' with a 'View all >' link. The main content area contains a detailed advertisement for the Sizewell C project, including text and infographics.

Official partner of CompeteFor[®] The UK supply chain portal Login Register

Sizewell C

The power of **good for Britain**

Opportunities Awardee Information Project News Events About

Latest 10 opportunities [View all >](#)

Project Delivery Organisation Subs Bench
Deadline: 31/10/22 [More info](#)

[View all opportunities](#)

Sizewell C is a landmark project to plan, design and build two EPR™ nuclear reactors on the East Coast of Suffolk, England. It will deliver nuclear electricity at a cost that is competitive with other low-carbon sources and will generate 7% of the UK's energy, with a capacity of 3,260 MWh.

A dramatic reduction in carbon is required to meet the UK's 2050 Net Zero commitment. Nuclear power generation can play a key part in the UK's energy mix, providing affordable, reliable low-carbon energy. The development of Sizewell C offers a unique opportunity for the UK to take control of its future energy needs, help tackle climate change and power jobs and industry up and down the country.

Sizewell C has a clear advantage: it is a follow-on

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 900 PERMANENT JOBS



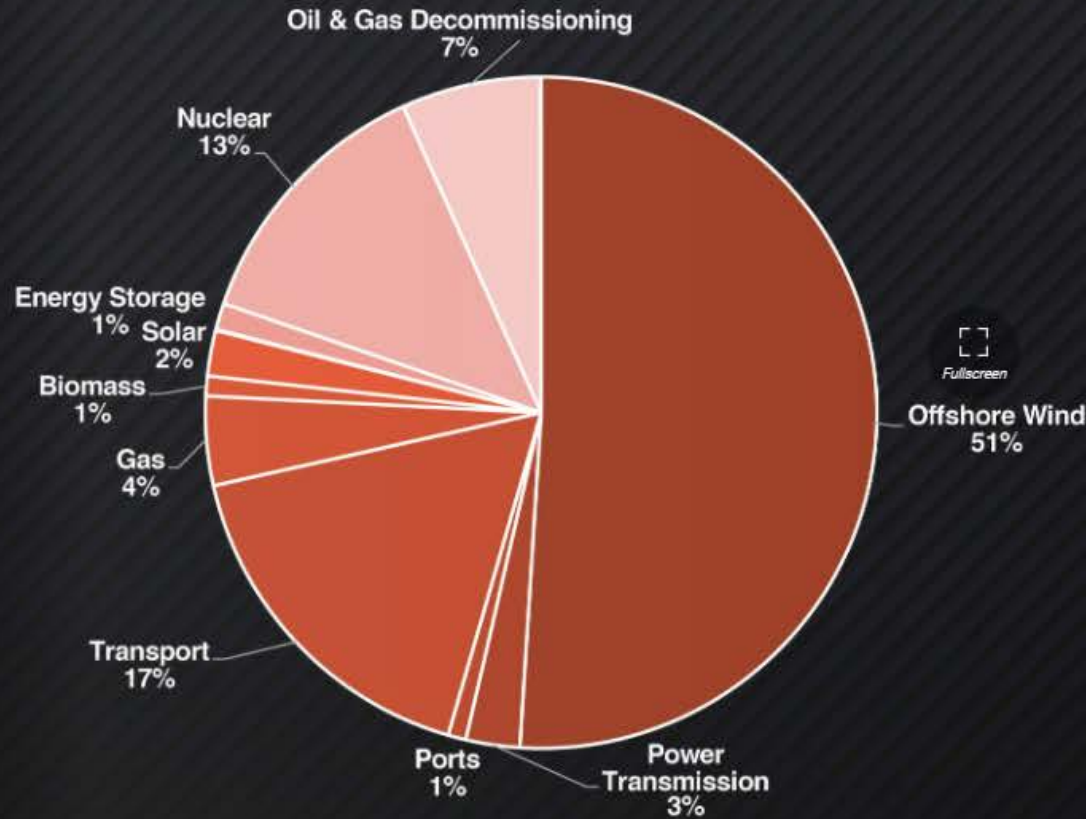
Sizewell C has vast potential:

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

East of England Energy

Investment Forecasts



Sector	2050 Investment Forecast (£ millions)
Offshore Wind	£62,525
Power Transmission	£3,171
Ports	£1,061
Transport	£20,876
Gas	£5,254
Biomass	£1,176
Solar	£2,684
Onshore Wind	£64
Hydrogen Production	£nil
Energy Storage	£1,559
Nuclear	£15,926
Carbon Capture Storage (incl. Direct Air Capture)	£nil
Oil & Gas Decommissioning	£8,226
Oil & Gas	£34
TOTAL	£122,556

Note: No forecast investment in new hydrogen and direct air-capture plants is recognised. This is largely due to a lack of data for emerging technology, and planned government investment to support research and development and demonstration projects.



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- Social Value metrics

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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?

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Q&A

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