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# Suffolk Chamber of Commerce

## Sizewell C Supply Chain

### Building the Sizewell C Supply chain





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# Sizewell C Supply Chain

**Steve Carroll**

**Sizewell C – Senior Supply Chain Lead**

# What is Sizewell C (SZC)?



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## SZC is ready to build, supporting the UK to build back better

- Detailed buildable design.
- Submitted our **Development Consent Order**, after eight years of consultation and are currently approaching the end of the process with the planning inspectorate to detail its findings by the **end of February 2022**
- Applied for a **Nuclear Site Licence** and have applied for environmental consents as well.
- **Early works** on SZC (e.g. road schemes) are ready to go.
- The announcement on the SZC DCO expected in **May 2022**.

**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 CO<sub>2</sub> EMISSIONS EVERY YEAR OF OPERATION**

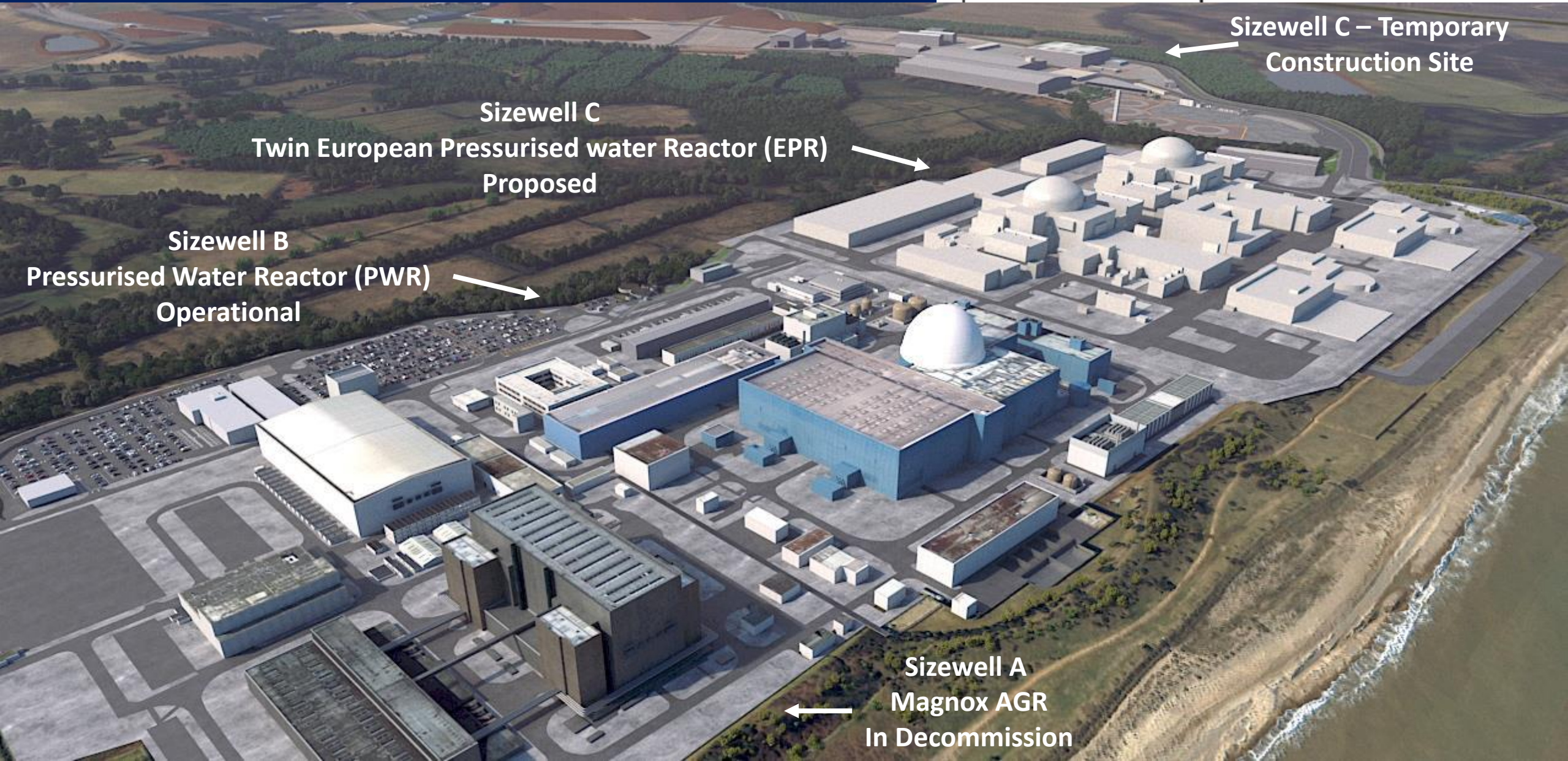
**SIZEWELL C WILL TAKE 9-12 YEARS TO BUILD**

**SUPPORT 900 PERMANENT JOBS**

\*References to jobs are to a full time equivalent job years (source: [EY report on SZC](#))



# What is Sizewell C (SZC)?



Sizewell C – Temporary Construction Site

Sizewell C  
Twin European Pressurised water Reactor (EPR)  
Proposed

Sizewell B  
Pressurised Water Reactor (PWR)  
Operational

Sizewell A  
Magnox AGR  
In Decommission



# SZC will reduce the cost of construction by replicating the design of Hinkley Point C (HPC)



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

# Planning Approval Process - What next?



## Overview of DCO Process





# Transport Strategy & Associated Developments



- Sustainable transport strategy
- 60% deliveries by sea and rail
- Demand management on roads:
  - Park and Ride sites
  - Freight Management Facility
- Accommodation Campus on site
- Approved routes to and from site

## Primary Modes of Transport

Material	Rail	Sea	Road
Concrete Aggregates	✓	✓	
Backfill Aggregates	✓	✓	
Cement & Lime Powders (For Ground Improvement)	✓		✓
Concrete Powders			✓
Tunnel Segments	✓		✓
Reinforcement (Re-bar)	✓		✓
Other Materials			✓
<b>Overall Ambition</b>	<b>30-50%</b>	<b>10-30%</b>	<b>40%</b>

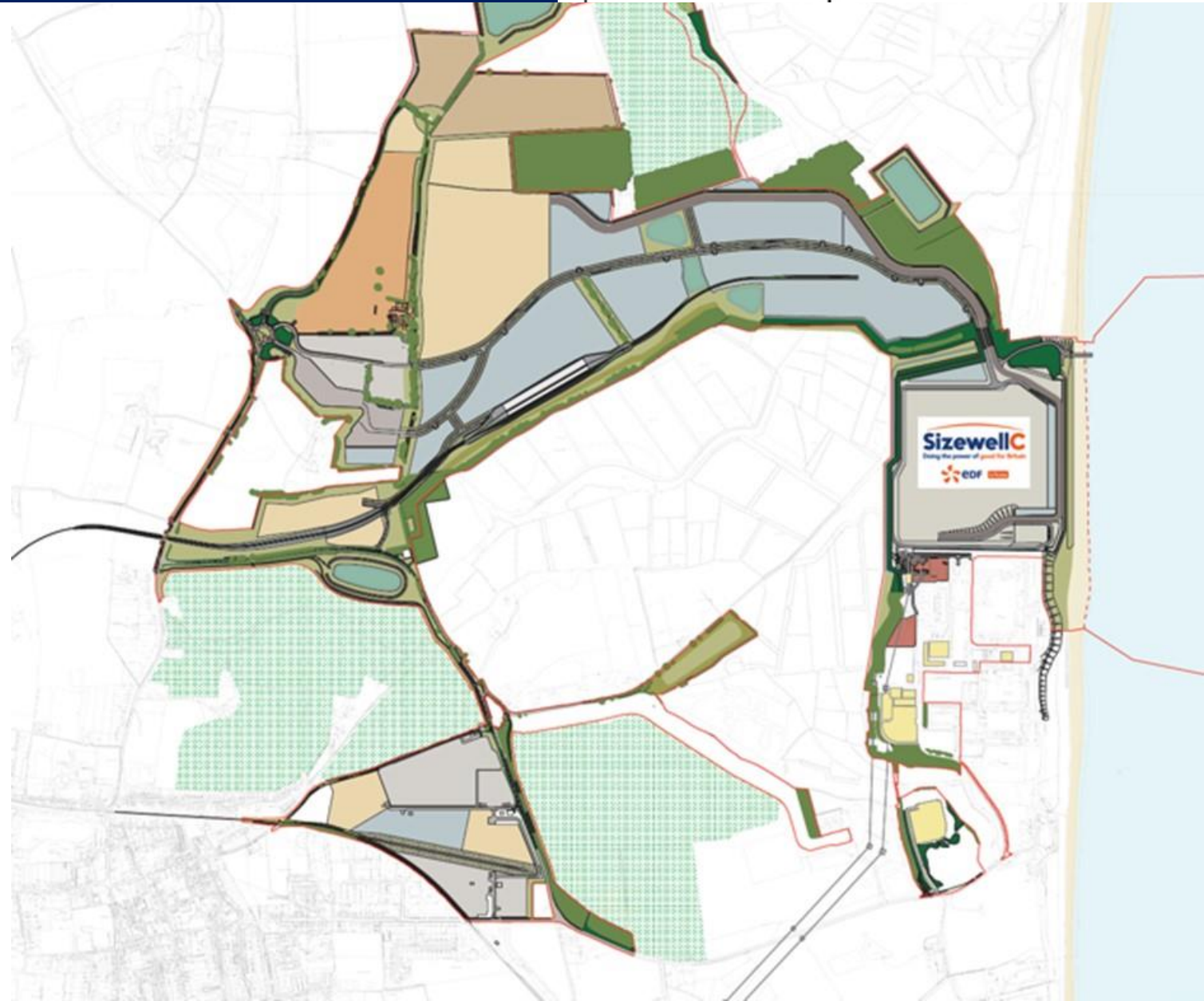


Source: Sizewell C Development Consent Order – Works Plans (May 2020)

# SZC Site Establishment and Construction



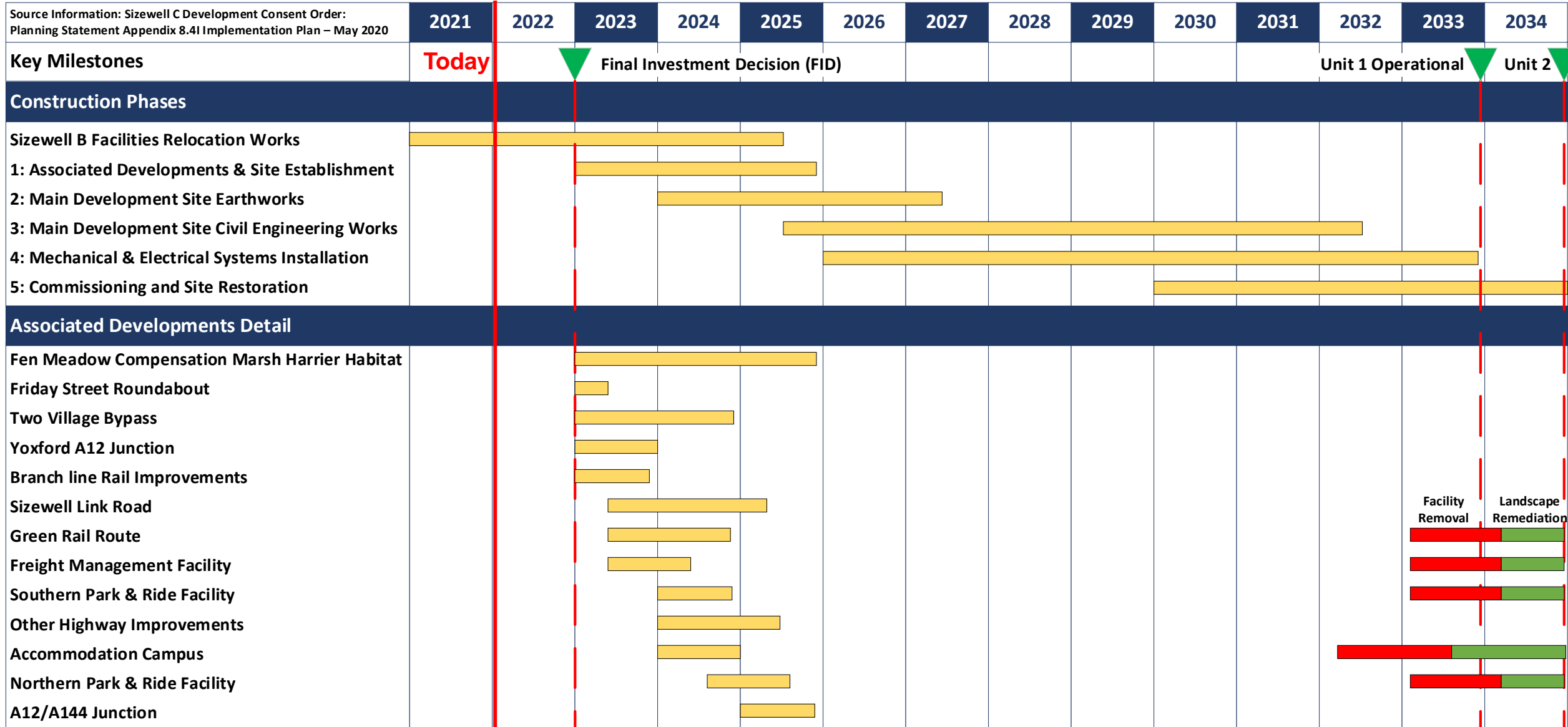
- Sizewell C will take 10-12 years to build
- Construction is aiming to start in late 2022 / early 2023, with peak likely 2027-2028
- Land to the north and west of the platform will be used temporarily during construction
- Other temporary associated developments
  - Freight management facility
  - Park and Ride facilities
  - Accommodation campus & caravan site
  - Rail Line Extension
  - Jetty and Beach landing facility
- 60% of all freight will arrive by Rail and Sea
- Major focus on ecological impact of the build





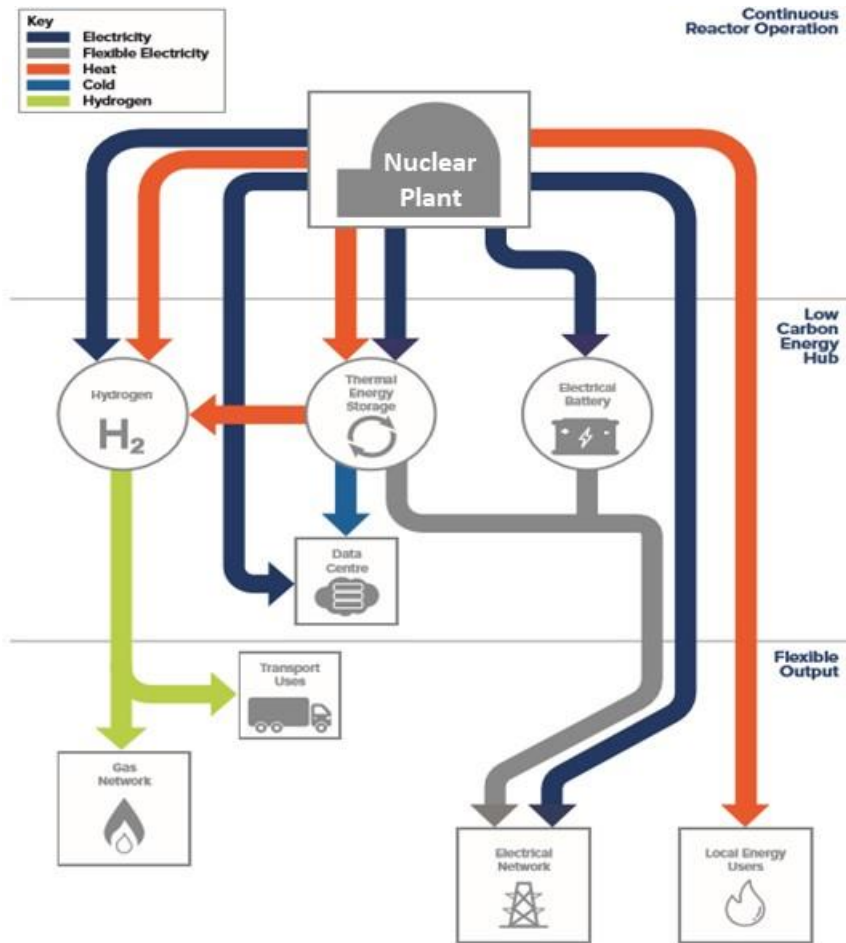
# Indicative SZC Construction Timeline

Preparing to be 'shovel ready' Q1 2023





# Post Construction Opp's - SZC Energy Hub



As part of an Energy Hub, SZC can make an even greater contribution to the UK's net zero ambition, helping to decarbonise industry, transport and heating

SZC has the potential to produce:

- **Green hydrogen** – Using heat to make electrolysis more efficient
- **Direct Air Capture**, making SZC **carbon negative**
- **Clean fuels** for shipping and aviation
- Clean heat to industrial process and for **district heating**
- **Cooling data centres**
- Working with **freeports** to provide clean heat and power



# Biodiversity and the Environment



- **Biodiversity:** SZC will deliver a net gain in local biodiversity of 19%.
- **Environmental Trust:** An independent Environmental Trust to support rewilding and promote further biodiversity.
- **Aldhurst Farm:** 67 hectares of new habitat, benefitting a variety of wildlife as well as rare plants.
- **Continuing a great track record:** Sizewell's nuclear plants have operated in harmony with the Suffolk countryside since 1960's.

Image: Aldhurst Farm heathland and wetland habitat





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# Sizewell C Supply Chain

**Ashley Shorey-Mills**

**Suffolk Chamber of Commerce - Head of Sizewell C  
Supply Chain Engagement**



# Economic and Community Benefits



- Sizewell C will deliver significant economic benefits to Suffolk and the local region
- 2,600 workers will likely come from the local area during peak and are aiming to enable 1,500 apprenticeships
- £125m a year during construction and £40m a year during operation will enter the local economy
- 900 highly skilled staff will operate Sizewell C once operational
- East of England companies have so far won contracts worth over £1bn at HPC and are well placed to work on Sizewell C
- 1,600+ East Anglian companies are registered on the Sizewell C supply chain portal





# Employment and Skills



- Sizewell C could help the regional economy bounce back after the COVID pandemic with more green jobs.
- Sizewell C would be a catalyst for positive long-term change - delivering new skills and opportunities and provide long term sustainable careers:
- We have launched a jobs service and a skills prospectus for 2021
- Fund to enhance facilities and resources for colleges and training providers.
- Bursary scheme to help young people
- Create more than 1,500 apprenticeships.
- Fund pre-employment training and outreach initiatives for economically disadvantaged and hard-to-reach groups



# Meet the Sizewell C Supply Chain Team



Ashley Shorey-Mills, Sizewell C Supply Chain Head of Engagement



Steve Carroll, Senior Supply Chain Lead at Sizewell C



Ian Currie, Sizewell C Supply Chain Business Manager



Miles Vartan, Strategic Adviser to Sizewell C Supply Chain



Julia Hale, Sizewell C Supply Chain Business Adviser



Samuel Kalibbala, Sizewell C Supply Chain Business Adviser



Elizabeth Dudman, Sizewell C Supply Chain Events Coordinator



Angela Silburn, Sizewell C Supply Chain Project Coordinator



# Key Themes



## Local

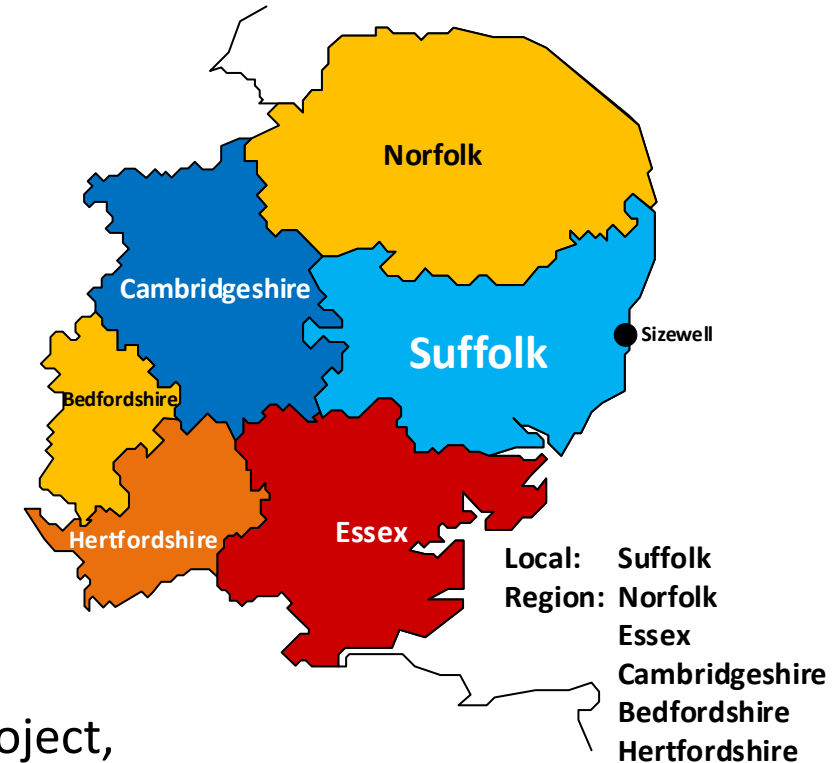
- Local jobs - Employing people from this region
- Local skills - Expanding & training of new and existing workforce
- Local opportunities – Projects on and off site across the region
- Joint ventures – Competition or Collaboration?

## Legacy

- Positive and enduring impact for the area and region
- Building a business community fit for future growth
- Preparing East Anglian Business for large infrastructure projects

## Environment

- How can you contribute to the Net Zero goal of the Sizewell C project, and be part of the national Net Zero Greenhouse Gas Emissions 2050 Agenda?
- What actions are you taking and what more can you do?

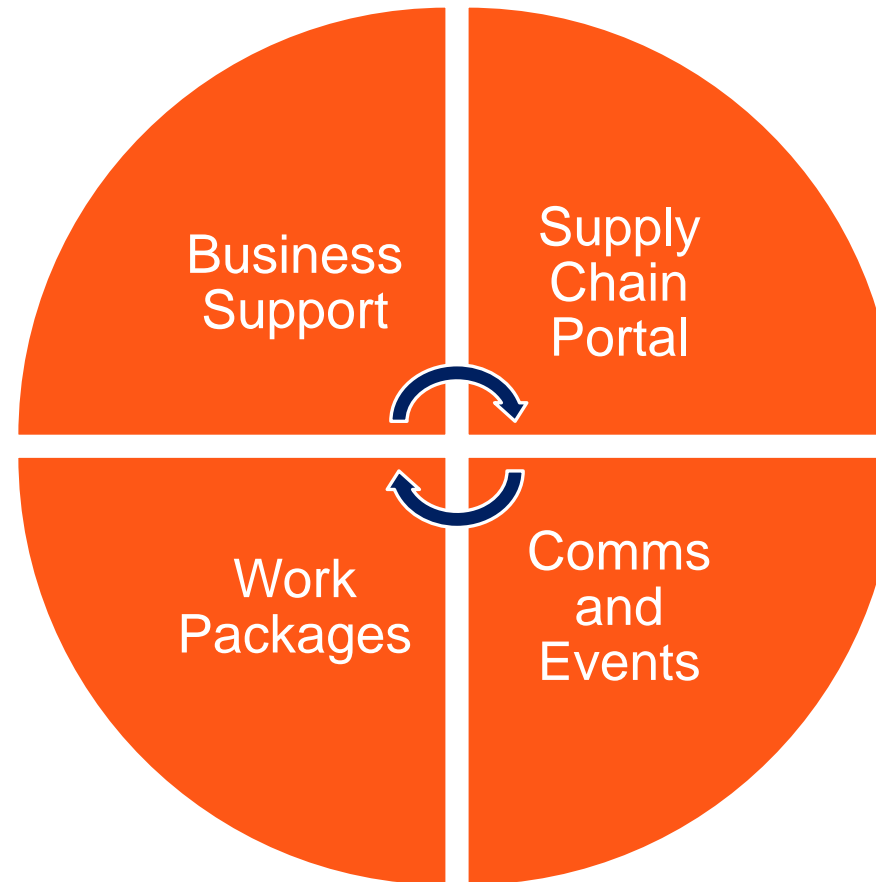


# Working with Suffolk Chamber & SZC



- ISO accreditations
- Joint Ventures
- Tender ready
- Skills/Training
- Social/Environmental
- Technology

- Early Enabling Works
- Associated Developments
- Welfare & Accommodation
- Site Establishment & Operations
- Heavy Civils



- Directory for Business Growth
- Correct Contact Information
- Direct/Indirect Business
- Stay up to date with the project

- Meet the Buyer Events
- Master Class Webinars
- Networking Opportunities
- Latest's SZC Supply Chain News
- Social Media



# Working with Suffolk Chamber & SZC

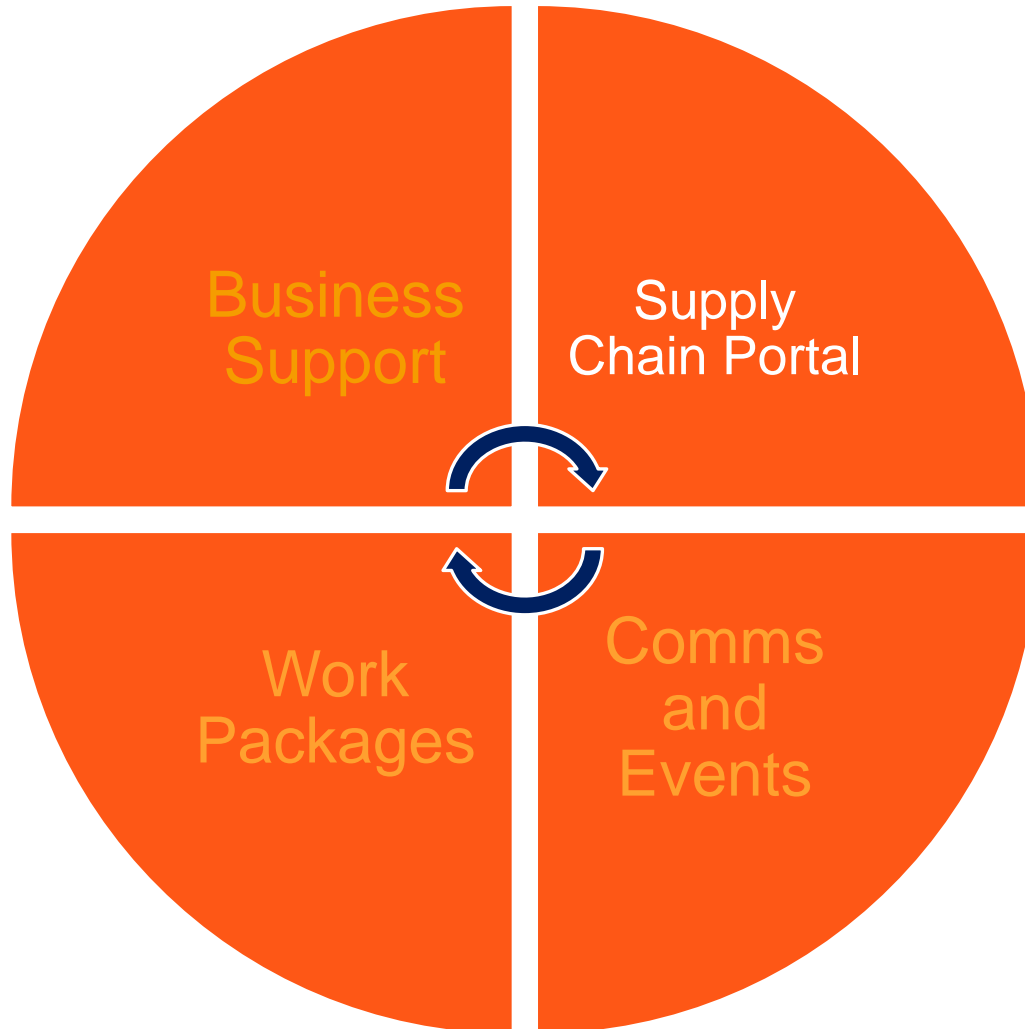


- Environmental impact
- Increase UK Content
- Optimise communities Op's
- Biodiversity contribution
- Workforce Inequality
- Education, skills & development

- Early Enabling Works
- Associated Developments
- Welfare & Accommodation
- Site Establishment & Operations
- Heavy Civils



# Working with Suffolk Chamber & SZC



- Registration is key
- Keep registration updated & complete
- Portal for support
- Tender releases
- Supply chain database of the region

- Meet the Buyer Events
- Master Class Webinars
- Networking Opportunities
- Latest's SZC Supply Chain News
- Social Media



# Keeping in touch



Please visit [www.sizewellcsupplychain.co.uk](http://www.sizewellcsupplychain.co.uk) to register your interest and to receive regular for updates on the project.

There you will also find useful background information about the nuclear sector, training, funding and business support.

For more information, please get in touch

[ashley@suffolkchamber.co.uk](mailto:ashley@suffolkchamber.co.uk)

[Julia@suffolkchamber.co.uk](mailto:Julia@suffolkchamber.co.uk)



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# Questions





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# Hinkley Point C Progress Updates

Videos showing progress at the Sister Project at Hinkley Point C (HPC) in Somerset:

Behind the scenes at Hinkley Point C – September 2021:  
<https://www.youtube.com/watch?v=Fia7Qo4ITxY>

Behind the scenes at Hinkley Point C – May 2021:  
<https://www.youtube.com/watch?v=2IZQWLv4HMc>

Five Years of Construction at Hinkley Point C – 2016-2021:  
<https://www.youtube.com/watch?v=Rc5tTnhvji0>

Four years of progress at Hinkley Point C | CGI model:  
<https://www.youtube.com/watch?v=PhQs4W2ljkQ>







# Upcoming Events

**Meet the Neighbours - Virtual Networking Opportunity**  
**Tuesday 15th March, 11:00 - 12:00, via Zoom**

**March Chamber Lunch**  
**Thursday 17th March, 12:00 - 14:00, at Ware Priory**

**Business Breakfast with Herts Chamber**  
**Tuesday 22nd March, 08:30 - 10:30, at Knebworth Barns**