

# Hinkley Supply Chain Team

Constructing Excellence South West  
Somerset Club Launch  
12<sup>th</sup> November 2015

[www.hinkleysupplychain.co.uk](http://www.hinkleysupplychain.co.uk)



# Hinkley Supply Chain Team Support

- \* Source of demand
  - \* EDF work packages
  - \* Tier 1 work packages
- \* Facilitate Supplier Match and Collaboration
  - \* Work package briefings
  - \* Supplier response
  - \* Client communication channel
- \* Brokerage support
  - \* Specialist advice
  - \* Funding?

# Somerset Supply Chain

Sedgemoor	548
Taunton Deane	361
North Somerset & BANES (SW)	348
West Somerset	342
South Somerset	236
Mendip	176

# Supply Chain Engagement

## Somerset , South West and beyond:

- \* 350 construction suppliers in Somerset
- \* 2010 Somerset suppliers
- \* 3010 Som and SW suppliers capability mapped
- \* Over 175 search requests for local supplier lists
- \* 95 T1 and T2 contractor relationships
- \* 26 work packages pro-actively assessed and matched

# Site Operations Contract Values

District	Registered suppliers	Contracted Suppliers to date	Supplier Group preferred bidders
Mendip	176	<b>195</b>	0
North Somerset	348		5
Sedgemoor	548		15
South Somerset	236		5
Taunton Deane	361		6
West Somerset	342		4
<b>Total</b>	<b>2011</b>		
<b>Contract / Potential £</b>		<b>£50 Million</b>	<b>£250 Million</b>

# What Do You See?



# Construction Requirements

## Civil Works - On site

Civil Works - Major  
Concrete Formwork/Steel  
fixers  
Diamond Core Drilling  
Fencing Contractors  
Filtration Equipment  
Geotechnical & Drilling  
Ground Stabilisation  
Ground Works  
Machine & Driver Hire  
Piling and related activities  
Remediation  
Roadway Surfacing  
Roofing & Cladding  
Scaffolding and Access  
Systems  
Spray Concrete Services  
Steelwork - Structural  
Temporary Tanks & Vessels  
Tipper / Muck Away  
Tunnelling Contractors and  
Services  
Water Management Systems

## Building Works - On site

Brick & Block  
Building Services - Miscellaneous  
Carpentry  
Electricians  
Flooring & Carpet Fitting  
Fire Stopping  
HVAC  
Industrial glazing installation  
Painting & Decorating  
Plastering, Rendering and Dry  
Lining  
Plumbing  
Suspended Ceilings  
Tiling

## Civil & Building Supplies

Aggregates and Fill Materials  
Builders Merchants  
Cement and Cement  
Replacements  
Doors  
Joinery Workshops  
Drainage Products  
Flooring material Suppliers  
(manufacturers not distributors)  
Formwork and Accessories  
Glazing Systems  
Passenger & Goods Lifts  
Precast Concrete  
Readymixed Concrete  
Reinforcement and Couplers  
Street Lighting  
Timber and Plywood



# Hinkley Supply Chain

Engaging South West businesses

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## Hinkley Supply Chain Team

EDF Energy and its partner investors are close to starting the multi-billion construction of Hinkley Point C which is a proposed 3.2 GW nuclear power plant with two EPR reactors (each of 1.6GW). It should produce almost four times more electricity than the Hinkley Point B station's two reactors.

As part of its procurement strategy for Hinkley Point C, EDF Energy has partnered with the Somerset Chamber of Commerce to manage the Hinkley Supply Chain Team which is delivering a supply chain solution for EDF.

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## Recent Stories of Interest

[Agreements in place for construction of Hinkley Point C](#)



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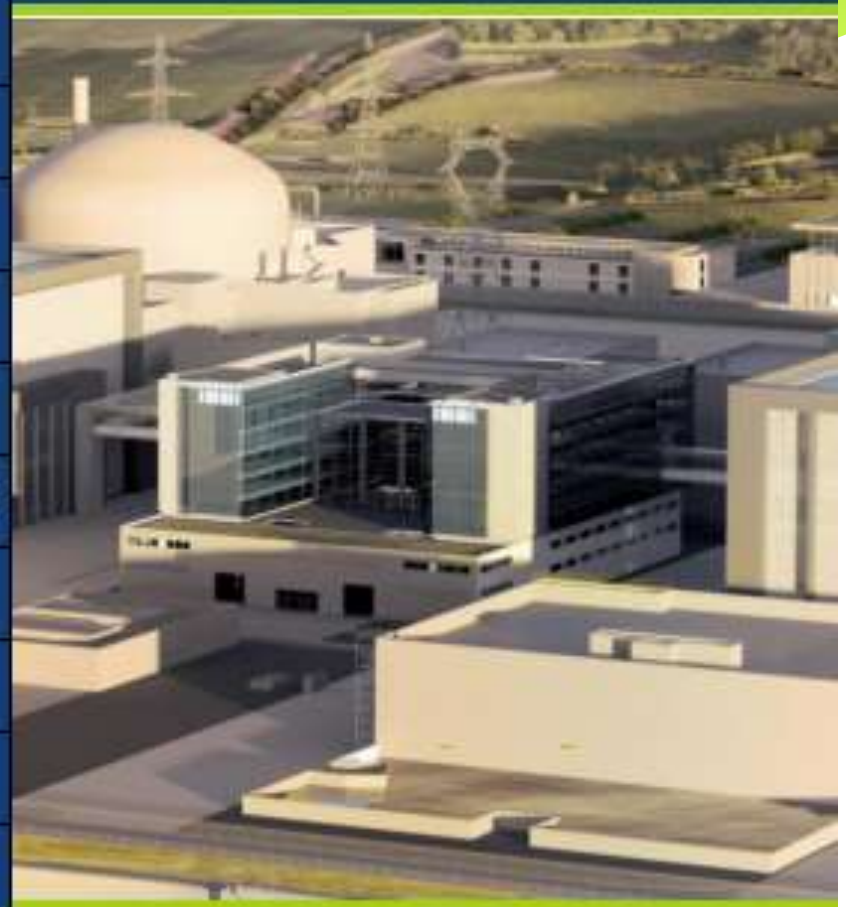
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# Civil Works

This group of contracts covers the majority of the civil construction on the Hinkley Point C (HPC) site. Additional civil contracts are also included in the associated developments grouping or are included in some of the other installation contracts. This group includes:

**Earthworks** – Encompassing the preparation of the whole site ready for the main civil works. It includes the installation of utilities to support both main construction and that of the sea wall.

**Main Civils** – Covers the construction of all the main power station buildings. Also included is the supply of all concrete on site via 4 batching plants. The preferred bidder for this contract is a joint venture between Laing O'Rourke and Bouygues TP known as BYLOR. Bouygues TP are the main civils contractor at the Flamanville 3 nuclear power station development in France.

**Access Roads & Networks** – The construction of the permanent roads and networks.

**Ancillary Buildings Phases 1 & 2** – The construction and fit out of 20 buildings that support the main power station that include medical facilities, a public information centre and the site training facility.

**Containment Airlocks** – Each containment building has a number of personnel airlocks. The contract is for the supply and installation of these assemblies.

**Containment Large Equipment Hatches** – Each containment building has a large equipment hatch which is 9m in diameter, the contract is for the supply and installation of the hatch and its operating equipment.

**Marine Works** – Covering the construction of systems used to bring in cooling water into the power station. The contract includes the construction of three large tunnels, between 6m and 7m in diameter, which will stretch out up to three 3km under the Severn Estuary. The contract also includes the construction of a temporary aggregate delivery jetty on the site and the formation of a number of smaller tunnels and galleries within the site itself. Costain has been announced as the preferred bidder for this contract.

**Variety of Special Doors and Shielded Doors** – Several contracts will be placed to supply and install a number of high integrity doors and hatches that will be used within the plant. The doors are typically fire proof, airtight, waterproof and are reinforced against shock waves or explosions. Radiation shielding doors are resistant to the Gamma radiation and/or neutrons.

# Associated Developments

This group of contracts are required to enable the construction of the power station and to mitigate the impact of the main plant construction activities on the local community and infrastructure. The group includes:

## **Cannington Bypass**

Cannington Bypass will divert traffic away from the centre of Cannington village and will remain in place following construction of the power station. This contract was placed with Aggregate Industries and will be completed in early 2016.

## **Highway Improvement Works**

A variety of highway improvement works have been taking place since 2013. These have been carried out by Aggregate Industries and are planned to be completed in 2017.

## **Campus Accommodation**

The contract is for the detailed design and construction of the campus facilities planned to support the construction of HPC. They will include separate accommodation blocks and amenity centres which will contain restaurants, bars, shops and sport facilities.

## **Construction Electrical Supplies**

The scope of this contract covers the design, construction and commissioning of the construction electrical supplies network. This contract has been awarded to UK Power Networks.

## **Jetty Main Civil Works**

The contract covers the design, manufacture and construction of the 500m temporary jetty located on the North West corner of the main construction site. The scope includes all off shore works and the construction of onsite civils works into the site road system. The contract is part of the marine works package.

## **Combwich Wharf Construction**

The contract involves the upgrade of the goods wharf at Combwich, which has been used to bring Abnormal Indivisible Loads (AILs) to the Hinkley Site since the early 1960's. The scope includes the detailed design & construction of access roads and enhancements at the Combwich wharf facility to provide an enlarged AIL quay, goods wharf and berthing bed and an adjacent laydown area.

## **Park & Ride Facilities**

4 park & ride facilities will be provided for use by the construction workforce. The 2 sites selected for development in Bridgwater include freight management Centres. The contracts to provide these vary from modification of existing facilities to complete green field site construction. The work will be covered by 3 contracts.

## **Provision of Spare Transformers**

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# Challenge for Supply Chain

- \* Only 10% step up (ambitious suppliers needed !)
- \* One HPC but other large infrastructure
- \* Core delivery capability needs to be wrapped up with strong management, modern systems, high standards, innovation
- \* Collaboration key (Capacity, specialisation)
- \* Aspire to be the best (Law of association)

# Challenge for Supply Chain (Raising the Bar)

- \* Leadership and Strategy
- \* Decision to engage and invest
- \* Clear action plan
- \* Research (project)
- \* Routes to Market
- \* Nuclear Safety Culture
- \* Open to joint ventures

# Hinkley Supply Chain Team

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