

Hinkley Point C Supply Chain Update



Delivery Partners for the Hinkley Supply Chain Team

August 2022

Dear



Welcome to the August e-newsletter from the Hinkley Supply Chain and my first e-newsletter introduction!

It's certainly been a busy start, meeting suppliers and contractors and attending events. I was joined by colleagues Ollie Morgan, our Data Analyst and Loretta Browne, our Tier 1/Tier 2 Engagement Officer, for a trip to Telford for DECOM2022, a specialist nuclear decommissioning conference.

I have hosted Somerset Chamber of Commerce's monthly Construction Connections networking events at the ibis Bridgwater – it's a great way to meet existing contacts and make new connections within the construction industry. More details can be found on the Chamber's [website here](#).

I am particularly pleased to confirm we are working on a number of exciting events – more details soon – but we would also welcome ideas and suggestions from contractors and those registered on the portal. Please email me at scott.jenkins@hinkleysupplychain.com if there are any specific events or workshops you would like us to organise to support you. You can also email me about any other supply chain issues or queries you might have.

At site, work has been continuing apace, with the concrete team reaching an incredible milestone of 1,000,000m³ of concrete being poured for the project! Two floating heavy lift cranes have arrived in the Bristol Channel to assist with the positioning of the all-important intake and outfall heads and the first delivery of an anticipated 10 million cubic metres of cable has been made.

And finally, could I please ask you to update your registration if you have not logged-in for a while. Do you still have the correct contacts? Has your company gained capabilities or accreditations this year? All of this could be the difference between being considered or dismissed as a supplier.

Scott Jenkins, Hinkley Supply Chain Project Lead
Somerset Chamber of Commerce

Project Update

Hinkley Point C has released images of its latest spectacular engineering achievement – the precision placement of a 5,000-tonne intake head on the seabed of the Bristol Channel.



The structure is the second of four “intake” heads being connected to five miles of tunnels, which will supply Hinkley Point C’s two nuclear reactors with cooling water. The two outfall heads have already been lowered into position.

The work to install the system is regarded as one of the world’s most complex marine engineering projects – as the Bristol Channel has the second highest tidal range on the planet.

Each intake head, at 44 metres long and 8 metres high, is being lifted into position by two floating cranes named “Gulliver” and “Rambiz”, working in tandem. Their platforms are the size of football pitches and have a combined lifting capacity of 7,300-tonnes. More details can be found below.



The site has also received the first delivery cable – some 217,000 metres of it! In all, there will be more than 10 million metres of cable installed at the project, with the first batch being predominantly used by the MEH (Mechanical, Electrical and HVAC works) for everything from computer networks and instrumentation gauges to lights and power sockets. If all the cables for Hinkley Point C were laid end-to-end, that would be enough to run the length of the UK around 11 times!

Team Concrete, comprising Bylor and its partners, has reached a significant landmark, successfully pouring a staggering 1,000,000m³ of concrete. The landmark batch was poured by the same team who poured the first concrete produced to nuclear quality standard in March 2017. The first official nuclear quality concrete was poured during work on the W1 Galleries Base in Unit 1.

Since then, all the required mixes – whether for inner containment, self-compacting or heavyweight applications – have been validated and supplied across the project on a regular basis. Maintaining that quality, consistency and volume has been a real team effort, with Hanson supplying the material itself, D&C Engineering providing control through its batching plants and Bylor team members delivering and pouring the concrete into position all over the Site using mobile and static machinery.

The sixth layer of inner containment on Unit 1, the 1.3m-thick circular concrete structure that forms part of the reactor’s safety barrier, is now in place following a 30-hour pour in the reactor building. In total, layer six required 720m³ of concrete and about 135 tonnes of rebar.

Reminder: Nigel’s video update still available to watch!



Hinkley Point C's Delivery Director, [Nigel Cann has released his latest update on the project.](#)

The footage shows how work has progressed over the last six months, with the site moving into new phases of construction. Work has accelerated following the subsiding of the pandemic, with around 8,000 people now working on site.

The skyline of the site has changed drastically, with the first reactor building now standing at 34 metres tall. Miles of pipes and cables are being installed across the project, as part of the power station's electrical fit out.

The nuclear power station will be vital in helping the UK fight climate change, and in ensuring energy security. It will generate reliable, low-carbon electricity for six million homes and will work alongside wind and solar in place of fossil fuels.

Hinkley Supply Chain events

The Hinkley Supply Chain is currently planning its Q4 events calendar and would welcome any suggestions or requests for events firms think would be of benefit to them.

One of our upcoming events will be a meet the buyer with Atkins at Aztec West, in Bristol, on October 6, time to be confirmed. The event will specifically be for recruitment and agency staff providers who have candidates who can supply civil engineer resources. To find out more and to register to attend, please contact scott.jenkins@hinkleysupplychain.co.uk.

If you have already registered, we will be in touch nearer the time.



Hinkley Point C gears up for a summer of heavy lifting



The first 5,000 tonne cooling-water intake heads were carefully loaded onto barges at Bristol Port's Avonmouth docks, ready to be towed out to meet two floating heavy lift cranes off HPC – Rambiz and Gulliver. The four “intake” and two “outfall” heads have been built by Balfour Beatty in Avonmouth. Each “loading out” operation, carried out by lifting specialists Mammoet, takes several hours, with the water levels being adjusted at the dock, to ensure the

barge can receive the load safely and securely.

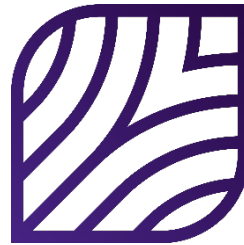
Ian Beaumont, Project Director Marine Civils at Hinkley Point C, said: “This starts a summer of complex offshore operations, with teams working in collaboration to deliver an incredible feat of engineering. It demonstrates the continued progress being made at Hinkley Point C.”

The lifting at sea, carried out by the marine construction specialists, NewWaves Solutions, takes several days, due to each step taking place within six-hour tidal windows. The structures cap the tunnels which will supply Hinkley Point C's two nuclear reactors with cooling water. The heads are big for a reason. Their size means water will enter the intakes slowly, reducing the number of fish entering the cooling pipes. They are also placed sideways to the tidal flow. In addition, screens and a fish return system will transfer fish back to sea.

Hinkley Point C will be the first power station around the Bristol Channel to have fish protection measures in place.

Somerset Business Awards 2023

Hinkley Point C is once again sponsoring the Investing in Somerset Award in this year's Somerset Business Awards, which are open to all businesses which have their headquarters based in the county (full criteria can be found here on the [Somerset Business Awards website](#)).



**SOMERSET
BUSINESS
AWARDS**

The Investing in Somerset Award recognises firms which are passionate about supporting Somerset's economy through local activity and can demonstrate this through their use of local employment, training, trading or regional supply chain etc.

Other categories include Environmental Achievement, Manufacturer and Producer of the Year, Service Excellence and Apprentice of the Year.

Entries open on September 12, with a grand final on March 24 next year. For more details and how to enter, please visit the [Somerset Business Awards website](#).

Hinkley Point C Recruitment Day

HINKLEY POINT C RECRUITMENT DAY

Saturday 3rd September 2022

10:00 – 14:00

**Somerset Energy Innovation Centre
Woodlands Business Park, Bristol Road,
Bridgwater, Somerset, TA6 4FJ**

Come along to our first recruitment day to meet with HPC Project contractors, engage in activities and find out about all the exciting opportunities on the project.

We have roles available in construction, catering and hospitality, security, facilities management, logistics, warehousing, driving and many more!

Scan the QR code to secure your place now



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