

Summer 2019

Hinkley Point C magazine  
for the local community

# Plugged in

**INSIDE:** Meet the Taunton-based team keeping the project clean and green



**SIGN UP**

for your chance  
to experience a  
tour of Hinkley  
Point C p8

## Sparking connections

How investment in social enterprises is  
engaging the local community p6

# ROB'S WELCOME



## Welcome to the Summer issue of **Plugged in.**

We've been particularly busy at Hinkley Point C in recent months. We delivered our biggest achievement to date, which you can read more about throughout this issue, and we've also been working hard on our community and regional commitments.

One of those is making sure that a significant proportion of our workforce is drawn from local people, and I'm delighted to say that this figure now stands at 50%. Even if you're not directly involved with the project, you may have friends and family who are, or you may live in a community that's benefiting from one of our funded initiatives.

On one day in July, Hinkley Point C's Inspire team took part in six school events, inspiring nearly 1,000 local students. You can find out more about how the project brings wider benefits, through educational initiatives like this, community funding and local enterprise. See pages 6-7 for more information.

I hope you enjoy this issue and please do send us your feedback.

**Rob Jordan**  
Hinkley Point C Site  
Construction Director



# Inside

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**ON THE COVER:** *How new enterprise Rusty Road 2 Recovery is bringing people with mental health issues together through funding from Hinkley Point C.*

## GET IN TOUCH

**Got an interesting story you'd like to share, or know someone that has? Get in touch via the details opposite!**

-  **VISIT:** [www.edfenergy.com/hpc](http://www.edfenergy.com/hpc)
-  **EMAIL:** [hinkley-enquiries@edf-energy.com](mailto:hinkley-enquiries@edf-energy.com)
-  **CALL US:** 0333 009 7070
-  **VISIT US:** EDF Energy Visitor Centre, Angel Place Shopping Centre, Bridgwater, TA6 3TQ
-  **TWEET US:** @edfehinkleyc
-  **INSTAGRAM:** @hinkleypointc

**Our 24/7 hotline for enquiries has changed to**  
**0333 009 7070**

Call us any time to raise an enquiry and we will ensure that we respond to you within 10 working days.

Main image: Achieving the J0 concrete pours takes Hinkley Point C a step closer towards being operational. Inset: Chris Flaherty



# Concrete career for Bridgwater-based Chris

Bridgwater resident Chris Flaherty had a particular reason to feel proud when Hinkley Point C hit its latest milestone.

Three years ago he was facing the shock of redundancy from a local plastics packaging company. This summer he was centre stage at Hinkley Point C overseeing production of the 9,000m<sup>3</sup> of nuclear-grade concrete that completed the foundations of the Unit 1 reactor building.

Chris, who is 53, said: "The record-breaking pour was a historic moment for the UK, but it was also one of the biggest achievements we've made on the project. I'm incredibly proud of the part I've played in maintaining quality."

## New career

Yet three years ago, Chris knew nothing about concrete, having worked for a Bridgwater plastics packaging company for 25 years. "When I took redundancy, I joined local firm G-Works which was involved in the construction of Cannington Bypass, then took a job producing concrete at Hinkley Point C. I now supervise production at the three concrete batching plants on site."

## Local life

But it's not just being part of a unique project that Chris loves. "I was born in Bristol and moved here in 1989. This project has given me a new career and

## LOW-CARBON MIX

National Grid has revealed that 2019 is the first year since the Industrial Revolution that more UK energy has been generated by zero-carbon sources, including nuclear energy, than fossil fuels.

newfound expertise. I've also been able to move house and secure a great future for us locally.

"Before this, I was away from home three nights a week. Now I get to spend every weekend with my family. I get to see much more of Will, my 12-year-old son, as well as my 27-year-old daughter, Laura, who's getting married soon.

"I love my job and I think that Hinkley Point C is very important to the local community.

"When my wife, Claire, and I go out, we see loads of team members spending money in the town and that's got to be a good thing for the local economy."

# Community

SUPPORTING SOMERSET



**GET INVOLVED:** Find out more about grants and funding at [www.hpcfunds.co.uk](http://www.hpcfunds.co.uk)



## Book your team slot on campus pitches

From youth groups to football clubs, local residents and organisations are making the most of the sports facilities available for hire at Sedgemoor Campus, and you can get involved too.

The Bridgwater-based campus' one full-size and two five-a-side football pitches are becoming popular with teams wanting a location for football league games and six-a-side leisure league competitions.

Paul Warburton, HOST General Manager, said: "It's great to see local people enjoying the facilities. We've already hosted the South West Football Association (FA) referees conference, and are now looking to hold an FA-led summer school for local children with qualified FA coaches too."



**WANT TO BOOK A PITCH?** To book, or to find out more, get in touch with the HOST team on 01278 559429, or complete the online form at [www.host-somerset.co.uk](http://www.host-somerset.co.uk).



## NEW MAP TAKES DIGITAL DIRECTION

Cycling and walking safely in the local area is now easier, thanks to a new digital map app launched by The Bridgwater Way project and funded by Hinkley Point C.

If you travel by bike or on foot, you can now plan your journeys in advance or on the go by using your smartphone or tablet to visit [maps.thebridgwaterway.co.uk](http://maps.thebridgwaterway.co.uk).

You can tailor your view of the cycling and walking network and share locations with other users. Coloured lines show the main cycling routes in and around Bridgwater; and the map features quiet, off-road routes and footpaths.

Run by Somerset County Council, The Bridgwater Way is a multi-million-pound project to keep the town moving as it goes through significant growth.

The initiative includes investment in new roads and improvements to existing roads and junctions. It also offers tools and advice to make commuting easier and safer.

Lisa Rogers, Somerset County Council's Project Communications Manager, said: "The network is impressive, with off-road routes people may not know exist. I'd encourage people of all ages to use it to plan routes."

## ROUND-UP

### AT YOUR SERVICE

EDF Energy has extended the route followed by the community bus service. The free bus runs from Monday to Friday, operating three daily return trips between Bridgwater and Minehead. "The extra loop was added following a written request," said Andy Wagstaff, Passenger Transport Service Manager, EDF Energy. "Limited local public transport opportunities mean that this bus is a lifeline for the community."





## Caring for Cannington's wildlife

Any potential impact on local wildlife is closely monitored by Hinkley Point C, with various measures in place to protect nearby natural habitats.

One area benefiting from this investment is Cannington Bypass, as the Ecology Team continues to work to protect a number of species using carefully designed features including:

- New pond – together with the existing pond, this provides a great habitat for Great Crested Newts.
- Artificial shelter – these are places of shelter for a variety of rare species. Adjacent to the ponds, they can be used by newts when they're out of the water during the winter months.
- Bat underpass – this allows bats to cross the road through an underground tunnel.
- Otter underpass – located at the point that the bypass crosses a small brook, an underpass was built to allow otters to pass under the road safely.
- Badger underpass – fencing guides badgers to the underpass. This helps reduce the number of animals crossing the road.

Luke Stevens, Land and Ecology Lead at EDF

Energy, said: "We have films and pictures that show all the mitigation measures are being used, which is the best mark of success."

See if you can spot the wildlife protection measures as you travel along the bypass.



### TRUSTED PARTNERSHIP

A 45-strong team from the Somerset Wildlife Trust recently visited Hinkley Point C to find out more about its environmental protection measures. The tour was part of the Trust's Brilliant Coast campaign, a project supported by the HPC Community Fund to promote coastal wildlife.

## LESS PLASTIC FEELS FANTASTIC

Plastic rubbish saved from reaching the oceans was transformed into a Glastonbury Festival arena, with support from Hinkley Point C contractor, Kier BAM.

Kier BAM was one of 100 companies who made tidy work of collecting the plastic

waste from the beach bordering Hinkley Point C.

The plastic was recycled into materials to build Shangri-La's 360-degree Audio-Visual Arena. Kier BAM Office Manager Amy Bradbury said: "It was great to be part of this event, helping clear up our beautiful coastline."



Photo: KōLAB Studios

# Building for the future

Hinkley Point C is not just about creating a low-carbon future for sustainable electricity; it embodies a lasting legacy of benefits for the South West. Find out more about EDF Energy's ambitious targets for equipping a new generation of skilled workers, creating a wealth of jobs, growing local businesses and improving lives in local communities.

## PEOPLE, EDUCATION, SKILLS AND EMPLOYMENT



### INSPIRING THE NEXT GENERATION

Launched as part of a £15 million investment into education, skills and employment, EDF Energy's Inspire education programme is growing the engineers and scientists of tomorrow by encouraging young people into science, technology, engineering and mathematics (STEM) subjects, and preparing them for thousands of job opportunities at Hinkley Point C.

The project has already delivered more than 1,000 STEM and careers activities, involving 415 schools and 166,786 student interactions across

the region. Now Hinkley Point C has been recognised as a Cornerstone Employer in the Heart of the South West Careers Hub. This means that, in partnership with Babcock International, The Careers & Enterprise Company and the Local Enterprise Partnership (LEP), EDF Energy has pledged to do even more to prepare young people for work by giving them better access to careers advice, support and guidance.

**7,300**

job opportunities created so far, against the goal of 25,000 during the full lifespan of the project.

**DID YOU KNOW:**

Discover even more ways we're investing in local people, businesses and communities in our Hinkley Point C Socio-Economic Report 2019. You can find it online at [www.edfenergy.com/hpcbbenefits](http://www.edfenergy.com/hpcbbenefits)

## COMMUNITY FUND



**£11 million**

of community fund delivered to date, against a target of £20 million.

### BUILDING COMMUNITY

Along with the construction of new roads and cycle paths, investing in business mentoring schemes, and funding improvements to parks and recreation areas, Hinkley Point C is helping local charities and organisations to support those in need, bring people together and create diverse vibrant communities.

With its £4,783 funding from the HPC Community Fund, Rusty Road 2 Recovery (RR2R) is a new social enterprise that supports people with mental health issues, bringing them together to restore classic British vehicles, and take part in airbrush therapy.

“Thanks to RR2R, I no longer feel alone,” said Jess Enisto, RR2R visitor. “Because of its support, my future looks better.”

## Safe space for residents

The community centre at Westfield URC Church has become a real hub for local life. An initial grant from the HPC CIM Fund helped create a vibrant café area, and a second tranche of funding will allow further improvements.

New rooms are being created for

private and group counselling. The funding will also help the church provide community worker support for the next three years.

Rachel Leach, Project Officer, said: “For years, we’ve seen a need for this kind of support but just weren’t able

to upgrade the facilities. We’re not a wealthy organisation. We share what we have but, without the funding, we wouldn’t have been able to do any of this. It’s great that we can now support residents in our local community in facing a range of life’s challenges.”

## UK ECONOMIC BENEFITS AND SUPPLY CHAIN

### CONFIDENCE TO GROW

Being part of the Hinkley Point C supply chain has helped local companies win business, develop their expertise and given them a more secure future.

A family business with an 80-year heritage, Bridgwater-based RK Bell was a founding member of the Somerset



**50%**

of the workforce recruited from the local area against a target of 34%.

Infrastructure Alliance (SIA). The SIA is a partnership with Skanska Infrastructure Service and Forest Traffic Management Ltd to deliver Hinkley Point C-related infrastructure projects, such as Cannington Park and Ride and local road improvements.

Nick Bell, Managing Director, said: “Winning long-term contracts has given us the confidence to invest in our own apprenticeship scheme. The knowledge we’ve acquired has been priceless; and working alongside a heavyweight contractor like Skanska shows the level of expertise we have.”

**433**

apprentices trained on site so far



**£981m**

spent within the regional economy to date

**£1.5m**

invested to develop a Construction Skills & Innovation Centre at Bridgwater & Taunton College



# Roundup

PROJECT-RELATED PEOPLE AND NEWS

## CONTRACTOR FACTFILE



You may hear and see different company names associated with Hinkley Point C, but don't know much about them. In a new series, Plugged in sheds light on the project's larger contractors.

**Who:** Bylor.

**What:** A 'Tier 1' or main contractor at Hinkley Point C.

**Role:** To deliver the project's main civil engineering works, and construct the buildings that will house the power station's two reactors. Bylor is a joint venture between engineering and construction specialists Bouygues Travaux Publics and Laing O'Rourke.

**Number of people:** Bylor has already recruited more than 1,100 workers, including 140-plus apprentices, to work at Hinkley Point C.

**Want to get involved?** The contractor is looking for team members to fill a wide variety of roles including steel fixers, carpenters and concreters. Bylor apprenticeships combine college and practice-based learning. Chris Stupples Newton is an Apprentice Digital Engineer Technician. He said: "As construction is turning increasingly to technological solutions, it feels like my skills will be in demand. With such a large community of experts to learn from at Hinkley Point C, I've found this the perfect foundation for building a career."



**FIND OUT MORE ONLINE BY VISITING:**

**Apprenticeships:** [www.edfenergy.com/apprenticeships](http://www.edfenergy.com/apprenticeships)

**Jobs:** <https://hpcjobsservice.edfenergy.com/>



## Tour for Pluggedin readers

Want to see for yourself what is happening on the Hinkley Point C construction site?

A special guided tour will take place at 10am on Friday 4 October. It's your chance to experience history being made, as you see the site in action, get updates on the latest construction progress and find out what's

happening next on the project.

Places are limited and will be allocated on a first-come, first-served basis to Somerset residents. Book before 4 September to secure your spot by emailing [hinkley-enquiries@edf-energy.com](mailto:hinkley-enquiries@edf-energy.com) and reference the Plugged in visit in your email.

## Being Frank about mental health

'Big Frank' Bruno delivered a knockout event when he visited Hinkley Point C to promote awareness of mental health issues.

The World Boxing Council heavyweight champion (pictured

right) talked openly about his career highs and lows, and his personal mental health struggles. He said: "Early on in my life, I didn't seek help at all and I found it just got worse and worse."

Like boxing, construction



If you would like to get involved with Hinkley Point C, you can find out about local business opportunities at [www.hinkleysupplychain.co.uk](http://www.hinkleysupplychain.co.uk), or search for jobs at [www.edfenergy.com/hpcjobs](http://www.edfenergy.com/hpcjobs). To read more about Viridor's work on site, check out [www.edfenergy.com/pluggedin](http://www.edfenergy.com/pluggedin).

# Watching their waste



Taunton-based firm Viridor provides waste management services to Hinkley Point C and the two accommodation campuses. Louise Skinner, Project Manager (pictured), explains how her team is making the project greener.

**VIRIDOR**  
**Industry:** Waste management  
**Services:** Energy, recycling, waste collections  
**Established:** 1956  
**HQ:** Taunton  
**Team members:** Four (Louise Skinner, Project Manager; Robert Burtchaell, Operations Supervisor; Stephen Whiting, Administrator; and Robert Young, Driver)

**Q Tell us about your involvement with the project.**

**A** We started on site in November last year, and have been busy setting up a number of different waste management activities since then. Any waste

materials that can't be reused will be recycled and, if that isn't possible, they will be turned into energy.

**Q How does it feel to be a part of this project?**

**A** As local people, we're really excited to be helping Hinkley Point C achieve its commitment to the environment. Having such a large number of people on site means that it's key to educate individuals, particularly when it comes to waste segregation.

which will bring efficiencies and reduce traffic movements in the local area.

**Q What sort of issues are you tackling?**

**A** Contamination – food waste in the wrong bin can taint an entire load and make us have to choose less favourable routes to disposal. Hinkley Point C is already very good at trying to reduce single-use plastics, and people are primed to support this education drive. Because of this, we'll see better quality recycling going forward, and as an environmental business, this is really important to us.

**A WEIGHTY DIFFERENCE**

Since Viridor's contract began in November, it has collected a total of **397.39** tonnes of waste, including (but not restricted to):

- 10.34** tonnes plastic
- 18.69** tonnes mixed metals
- 22.74** tonnes wood
- 69.62** tonnes food waste
- 71.22** tonnes mixed packaging
- 120.72** tonnes general waste.

**Q Are you working towards any specific goals?**

**A** It won't be long until we have an on-site waste consolidation centre, so that Hinkley Point C can be self-sufficient in consolidating and segregating waste,

has a 'macho' culture, where being considered tough has been historically valued over talking about feelings. The Frank Bruno talk formed part of a host of events and initiatives at Hinkley Point C to encourage people to speak out about any issues they face and access support early.



**TIME TO TALK**

Hinkley Point C has an in-house team of more than 100 Mental Health Buddies. These trained individuals are available to assist people on site suffering from mental health issues as well as colleagues seeking confidential help in supporting a family member or friend.

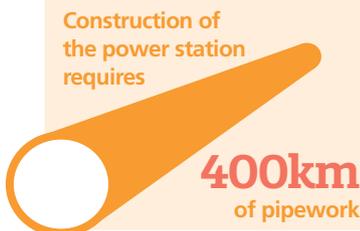
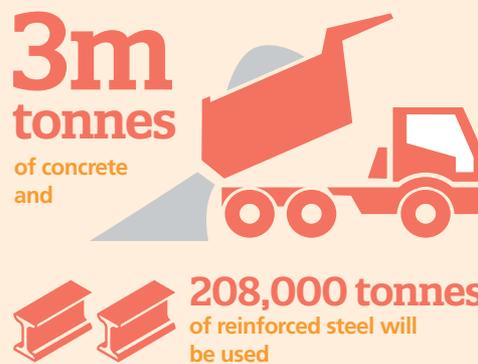
We're here

# Insite

GET THE INSIDE EYE ON CONSTRUCTION

## Construction in numbers

The size and scale of Hinkley Point C creates some staggering statistics. Did you know:



## World's largest land-based crane on site

Heavy-duty equipment is often needed to complete aspects of large-scale construction projects. Hinkley Point C is no different and, in fact, some of the machines in use are so big that they have to be transported in pieces and assembled on arrival.

Trucks recently delivered components for the world's largest land-based crane to the site. At 250m tall, with a radius of 275m, and capable of lifting up to 5,000 tonnes, the Sarens SGC-250 is a crane of huge proportions. It's the strongest of its kind, with all the features and flexibility

of a fully mobile ring crane, and the ability to slew (rotate) 360°.

Once operational, the SGC-250 (pictured right) will lift into place 640 prefabricated pieces of the steel containment liner enclosing each nuclear reactor.

You may also have caught a glimpse of the three Tunnel Boring Machines making their way to the site. In June, the final 1,200-tonne machine arrived in three sections, carried by barge from Avonmouth to Combwich Wharf, and then by road to Hinkley Point C.



### TICKER TAPE

**TAKING PRIDE IN SAFE WORKING:** *If you live near to Hinkley Point C, you may have seen the 'Pride of Platforms' flag 'Pride of Platforms'. The initiative launched to recognise and reward the teams who go above and beyond to deliver*



# A record-breaking achievement

Team members working at Hinkley Point C have been celebrating 'J0'; the project's biggest achievement yet.

Jalon Zero (J0) is a French term meaning 'moment in time'. It marks the moment when the foundation, or 'Common Raft', for the first reactor is complete. From this point on, work will begin above ground on the permanent reactor buildings.

The last of the five concrete pours that took place in June completed J0 and was the UK's biggest-ever pour, beating the record held by The Shard in London. It took 72 continuous hours to pour more than 9,000m<sup>3</sup> of concrete.

Peter Abel, Chief Materials Engineer with Bylor, leads the teams responsible for producing and placing concrete at Hinkley Point C. He said: "J0 has been very motivating for everyone. Three years ago, pouring 200m<sup>3</sup>

## THE JOURNEY TO J0

It took five concrete pours to reach J0. But before any concrete could be poured, a huge amount of pre-work was required – involving thousands of people. More than 300 engineers worked on the design, which included 244 reinforcement drawings. Preparations for the pours included de-watering, deep excavation of 5.6 million m<sup>3</sup> of rock, construction of a pre-stressing gallery, and placing more than 4,000 tonnes of rebar.

was a big thing. We've worked hard since then, and now, we've achieved the biggest structural pour in the UK."

Whatever their role, everyone working at Hinkley Point C and throughout the supply chain has made a contribution to J0.

## Paving the way to safety

As part of its commitment to public safety, EDF Energy has diverted the coastal path during the construction of Hinkley Point C.

In order to continue keeping our local community safe, the footpath will not be re-opened until the area it sits within offers a safe and secure environment. This will be towards the back end of construction. In the

meantime, the diverted path is well sign-posted and connects back to the coastal path network at either side of the construction site.

Once re-opened, the footpath will be accessible via ramps at both ends of the sea wall and stairs at two midway points, which will allow people to move freely between the walkway and the foreshore.

## ROUND-UP

### What's in a name?

Learn the Hinkley Point C lingo as Plugged in breaks down those technical terms...

#### Unit 1 and Unit 2

Unit 1 and Unit 2 are the terms we at Hinkley Point C use to define the two areas on site which are currently being constructed and will house the two EPR reactors, which are a crucial part of the Nuclear Island build. The purpose of these units is to safely produce and control the release of energy resulting from nuclear reactions. These reactions boil water, creating steam that, in turn, drives the turbines that produce electricity.

### Action on summer air quality

The Hinkley Point C Environment Team is doing its utmost to control dust created by aspects of the construction work.

The team is keeping watch via four real-time dust monitors on the southern boundary, which is the closest point on site to local villages.

A number of on-site Water Management Zones are supplying rainwater for dust suppression, while tractor bowser units with spray bars make daily patrols along the internal roads.

All crushing and screening activities have dust suppression, plus areas of bare soil are being hydro seeded to limit windblown dust causing a nuisance.

*waving proudly. It has been erected to celebrate a new on-site initiative named their work to the highest safety standards and welfare practices.*



PHOTO  
COMPETITION

# Win... a £50 Amazon voucher

Entries  
must be  
submitted  
by Friday 30  
August 2019

Congratulations to last issue's winner, Martin Barber, who has won a £50 Amazon voucher for this image (right), taken at WWT Steart Marshes.



### GRAB YOUR CAM FOR WINNING INSTAGRAM...

Whether you're an avid Insta fan or simply enjoy taking pictures, this is the competition for you. All you have to do is take a wow-worthy image – in or around the South West – and you could win a £50 Amazon voucher. Submit your entry via your Instagram account, using

#PluggedInPhotoComp. Include the place in which the picture was taken and you may find your shot printed in the next issue of Plugged in, with a gift voucher on its way to you.



**TERMS AND CONDITIONS:** Visit [www.edfenergy.com/pluggedin](http://www.edfenergy.com/pluggedin) for full terms and conditions.

### PICTURE PERFECT

Follow Hinkley Point C on Instagram to see the latest updates from the project.



Celebrations on site as project achieves JO milestone.



Thank you to the pupils who took part in our Tunnel Boring Machine naming competition and the winners who joined us on site.



A huge effort by all involved to complete the base of the first reactor.

## Sign up to Pluggedin

If you would like to receive exclusive Plugged in content straight to your email inbox, you can sign up to the email distribution list. Simply head to the website via

[www.edfenergy.com/pluggedin](http://www.edfenergy.com/pluggedin)

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Pluggedin is designed and produced in the UK by 44 Communications.

WHAT'S ON



JUL-SEPT  
2019

### 23 JULY - 1 SEPTEMBER

Adventure deep underground for a fun-packed summer at Wookey Hole Caves. Travel back to the Ice Age with animatronic dinosaurs bringing history to life, enjoy the daily circus shows and catch a glimpse of the Witch of Wookey. [www.wookey.co.uk](http://www.wookey.co.uk)

### THROUGHOUT AUGUST

During the school summer holidays, the STEM Club will be inspiring our next generation of engineers every Thursday in August. From 9.30am-3pm, at the EDF Energy Visitor Centre, Angel Place Shopping Centre, Bridgwater, TA6 3TQ. Contact the visitor centre on 01278 429225 for more information.

### 16 AUGUST

Enjoy a great family day out with entertainment for all at the 173rd Dunster Show. Bands, demonstrations, crafts and trade stands on the lawns of Dunster Castle. [www.thedunstershow.co.uk](http://www.thedunstershow.co.uk)

### 26 SEPTEMBER

HPC Education and Skills Roadshow, Weston College, Weston-super-Mare. Business breakfast from 7.30am. Recruitment event from 6pm to 8pm. <https://hpcjobsservice.edfenergy.com/go/Recruiting-Events/3772901/>

For information about the Hinkley Point C Transport, Community or Main Site forums, please visit [www.edfenergy.com/hpc](http://www.edfenergy.com/hpc)