

Spring 2019

Hinkley Point C magazine
for the local community

Plugged in

INSIDE: Tunnel Boring Machines prepare to start drilling under seabed

Driving force

Meet the team that's on the
lookout for fly-parkers p3

WIN

a £50 Amazon
voucher in our
exclusive photography
competition
p12



ROB'S WELCOME



Welcome to Pluggedin's first issue of 2019.

We are only a few months into the year but we continue to make good progress at Hinkley Point C, as the first Tunnel Boring Machine (TBM) is being prepared to launch.

The TBM will allow the digging of tunnels to take place, which in turn will bring cooling water to and from the power station.

This is just one example of the many innovations enabling construction of this complex project. Within this issue, you can find out about more innovative technologies and systems that are shaping Hinkley Point C. The jetty will become operational over the summer months and, as earthworks draw to a close, we now start to focus on the buildings themselves.

It is important to say that the safety and wellbeing of our workers and the community remains our number one priority. You can also discover how the HPC Community Fund is helping to support local projects and worthy causes across Somerset.

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

Rob Jordan
Hinkley Point C Site
Construction Director



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ON THE COVER: Come rain or shine, the fly-parking controllers are out and about, tackling parking violations

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
- EMAIL:** 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.

SPOTLIGHT ON...



Stuart Dennis, Nicolas Macey, Nick French, Daniel Ball, Martin Gridley and Liam Groves (l-r), are all part of the team clamping down on fly-parking

Positive steps to prevent fly-parking

If you suspect a vehicle has been fly-parked, contact the Hinkley Point C enquiries team on 0333 009 7070.

A team is out on patrol. Out by 5am in their electric cars, they have one mission – to make sure Hinkley Point C workers use the dedicated park and ride facilities.

Fly-parking is not tolerated by Hinkley Point C. Any worker flouting this vital part of the Code of Conduct could lose their site pass and, by default, their right to work on the construction project.

Working with the local community, the fly-parking patrol is both proactive and reactive, following-up reports from local residents who believe Hinkley Point C workers may be parking their cars in side streets or lay-

bys in the local area.

Employed by Somerset Passenger Solutions, the team of fly-parking controllers carries out daily patrols to identify possible cases of fly-parking and investigate reports from residents.

The team records the location of the vehicles of potential offenders and takes photographic evidence.

Where a vehicle is proven to be fly-parked, the site adopts a 'three strikes' disciplinary process, with escalation to higher levels of management at each stage. This process can lead to the removal of an individual from the project. So far, four workers have been removed, but the system is working, as the team is receiving fewer reports.

Nick French, Fly-parking Controller, said: "Community engagement is at the heart of what we do. I enjoy talking to local residents and engaging with a wide variety of people.

"Seeing us out and about gives residents confidence that we take the issue seriously. The positive comments we receive are a great motivation for me to keep our villages and towns free from fly-parking."

The team investigates 1,000 vehicles per month on average and 90% of those turn out to be non-Hinkley Point C related. The remaining 10% are usually instances when Hinkley Point C workers are legitimately staying in lodgings situated on the given street.

Community

SUPPORTING SOMERSET



GET INVOLVED: Find out more about grants and funding at www.hpcfunds.co.uk



SUPPORT FOR THOSE NEW TO SOMERSET

The Community Council for Somerset (CCS) is a charity which supports people, places and enterprises in Somerset. CCS runs Somerset Diverse Communities, which has worked closely with black and minority ethnic communities, building relationships between community groups and supporting community events like Bridgwater Together and Taunton Together.

Somerset Diverse Communities will be welcoming Hinkley Point C workers and their families to the South West, holding community events to connect

and empower people. It recently received a grant of more than £164,500 from the Hinkley Point C (HPC) Community Fund to support its work over the next three years.

Jinny Uppington, Community Enabler at CCS, said: "CCS helps to develop skills which facilitate the long-term sustainability of BME groups. The aim is to build a unified, resilient and safe community for all residents of Somerset."

If you want to find out more about BME community support, contact Jinny at jinny@somersetccc.org.uk.

Helping hand for apprentices

A Burnham-on-Sea-based charity will be looking after the mental health of young apprentices, following receipt of a grant from the HPC Community Fund.

In Charley's Memory (ICM) has received £10,000 to support apprentices working on the construction site. It will provide help and advice via on-site drop-in sessions, and through off-site, confidential counselling.

The charity was set up to raise awareness of mental health in people aged 11-25. Its volunteers are already helping thousands of young people in the local area through talks in schools and clinics.

Dawn Carey, Chief Operations Officer for ICM, said: "Relocating for a job can be challenging, and there are many people struggling with mental health issues. It's fantastic that Hinkley Point C has faith in us to support the young people taking up apprenticeships."



MORE ONLINE: You can find out more about the charity at www.incharleymemory.co.uk.



Keeping the streets safe



A company focused on providing support, Street Pastors is a nationwide organisation dedicated to making many towns and cities across the UK safer.

The team based in Bridgwater is now set to expand, thanks to a £30,000 grant from the HPC Community Fund.

Armed with a listening ear and bottled water, the Street Pastor team can be found in Bridgwater town centre in all weathers, working in the small hours of Saturday nights and Sunday mornings. The group, who tackle commonplace night time public issues that have been around for a long time, are closely linked to the local police.

They offer help and support to whoever needs it, particularly to young people, but

currently there are just eight volunteers in the town, compared to 50 in neighbouring Taunton. The Hinkley Point C grant will enable Taunton and Bridgwater Street Pastors to work together to train new volunteers and recruit a dedicated administrator.

Street Pastors are all members of their local churches. In Taunton, they patrol every Saturday night from 10pm to 4am, but the lack of volunteers means the Bridgwater team is out and about one in every four weekends.

Dave Knight, Chairman of Taunton Street Pastors, said: "This grant will help us increase the number of Street Pastors in Bridgwater and run patrols more regularly."

TRAINING AND TOOLS

Research has suggested that Street Pastors help to reduce night time crime and anti-social behaviour by up to 30%. The grant will help to pay for training and uniforms for an expanded Bridgwater team of Street Pastors, as well as the tools they need on the streets.



MORE ONLINE: You can find out more about the charity at www.streetpastors.org/locations/bridgwater.

ROUND-UP

MORE AT THE MUSEUM

There will be even more reasons to visit Minehead Museum, housed in The Beach Hotel, thanks to a grant of more than £4,400 from the HPC Community Fund. The money will help the charity improve attractions covering the town's history and hold more community events.



BERROW BEACH

Keeping their stretch of coastline beautiful has been made easier for the Friends of Berrow Beach.

Set up a year ago, the group is dedicated to cleaning up the shoreline and will be able to buy litter-picking equipment after receiving a £2,650 grant.



CRISIS SUPPORT

A grant of £10,000 will help the work of the Samaritans of Taunton and Somerset. The charity supports vulnerable people and their families across the county. The money will fund specific outreach projects in Taunton, Bridgwater and West Somerset over the next three years.



Photo: @timeforheroes

Roundup

PROJECT-RELATED PEOPLE AND NEWS

New campus officially opens

The new Sedgemoor Campus is now officially open, bringing fresh job opportunities for local people.

The 986-room, hotel-style lodgings offer leisure facilities and a dedicated bus service to the construction site for Hinkley Point C workers.

The campus is based close to Bridgwater's town centre, so guests will be able to enjoy the local amenities, and get involved with community clubs and events nearby.

The campus also features one full-size and two five-a-side 3G football pitches that are available for hire by local residents and organisations.

To book a pitch, call HOST on 01278 559 429 or fill in the online form at www.host-somerset.co.uk.



Log on for Hinkley Point C jobs



companies based off site in the project's supply chain. A new live search function makes it simple to register and apply for any of the available jobs.

As well as being the place to go for your job search, there's also information about how the HPC Jobs Service team (pictured) can support you through your application.

There's also details about their upcoming recruitment events and drop-in sessions, as well as training opportunities and apprenticeships.

It's now even easier to register for job alerts and apply for roles at Hinkley Point C. Anyone looking for jobs can now find all of the vacancies in one place online.

Log on to view the latest vacancies on the project, register for job alerts and view events organised by the HPC Jobs Service at www.edfenergy.com/hpcjobs.

The roles advertised include everything from construction, to catering and facilities management on site. There are also jobs available with local

MORE ONLINE:
Visit www.edfenergy.com/pluggedin to find out more about the site, the team and the people benefitting from it.



Top-deck transport

Transport partner Somerset Passenger Solutions has introduced 35 new double-decker buses to the Hinkley Point C fleet, replacing a number of vehicles currently in use.

The buses bring more capacity to routes that need it, while accommodating future increases in passenger numbers.

The spark to succeed

Bridgwater-based business owner Mike Morgan reveals how perseverance with Hinkley Supply Chain paid off.

Q What was involved in getting your business ready to work with Hinkley Point C?

A We were interested in the facilities management opportunities on site, but the contract needed a national provider. Then, a group of four local companies, including mine, got together to form the Construction Operations Management Alliance (COMA) and we successfully won the contract for construction utilities.

Q What has this meant for your business?

A We've grown 70% a year for the past three years and our turnover has increased six-fold. We've gone from 12 to 68 people and that's opened doors for us to compete for higher-value projects across the region.

Q What does the future hold for you?

A Seven years ago, work was hard to come by. Now, when I retire, I'll be able to leave a legacy of good local employment.

We're a great place for apprentices to learn their trade – we have 14 now – and we're upskilling four people who may have struggled to become electricians previously.

Q What's the most important thing you've learned by becoming part of Hinkley Supply Chain?

A There's still time for local businesses to get involved and grow. The opportunity is there and people shouldn't be afraid to take it.

MIKE MORGAN

Job title: Managing Director

Business name: MMES 2012

Services: Electrical contractors

Established: 1989

HQ: Bridgwater

No. of employees: 68

Find out about local business opportunities at www.hinkleysupplychain.co.uk, or search for jobs at www.edfenergy.com/hpcjobs. You can read more about Mike at www.edfenergy.com/pluggedin.

CANNINGTON BOOK LAUNCHED

Cotswold Archaeology has unveiled its first volume in a series covering its findings into Cannington bypass excavations.

Bob Croft, Head of Historic Environment and Estates at the South West Heritage Trust, said: "This is an important milestone. It gets the archaeological story of Hinkley documented and available to the wider public."

More information about the book, 'Cannington Bypass, Somerset: Excavations in 2014. Middle Bronze Age Enclosure at Rodway and Roman Villa at Sandy Lane', can be found at www.cotswoldarchaeology.co.uk. The book can be purchased from www.oxbowbooks.com.

Taunton apprentice wins top title



Congratulations to Liam Dale (pictured), who was named Trainee of the Year at this year's Somerset Apprenticeship Awards.

Liam, who is from Taunton, was one of six young people to take part in the 10-week Supported Traineeship programme last year. The Hinkley Point C-based placement gave them access to

supported work experience, enabled them to develop skills with help from job coaches and progress towards an interview with an employer.

Liam was successful and is now employed full time at HOST's Hinkley Campus, where he now works in the catering team.



To avoid weather delays like those at Flamanville 3, Hinkley Point C's steel containment liner will be prefabricated and covered with a protective roof

Fuelling the future with innovation

How ground-breaking thinking is supporting Hinkley Point C today and shaping tomorrow's projects.



Just as EDF Energy is bringing lessons from recent power station builds at Flamanville in France and Taishan in China to Somerset, the ground-breaking innovations and new ways of working developed to improve the construction of Hinkley Point C, are shaping the way ahead for future infrastructure

projects. These include the proposed Sizewell C station in Suffolk. Plugged in looks at a few of these innovative technologies and systems, and also finds out how Hinkley Point C is equipping a new generation of construction and engineering workers with industry-leading tools and skills.

TECHNOLOGICAL AND PLANT INNOVATIONS

MODEL WAY TO AVOID CLASHES

With 2,500 rooms each, the two Nuclear Island units are a complex build. So the designers are using cutting-edge, 3D modelling to prevent the clashing of the 7.6 million components needed to build the new power station. Although 3D modelling isn't a new innovation, it has never been used on the same massive scale as at Hinkley Point C.

NAILING IT

Hinkley Point C's Enabling team and joint-venture contractor Kier BAM saved time and reduced safety risks by developing a new Mechanical Ground Nail Installation Beam, to install 15,000 stabilising ground nails mechanically, instead of manually. Their clever idea also eliminated the risks involved in working at height.



High-end technology maintains the quality of Hinkley Point C's **1.2 million cubic metres** of concrete and monitors its pours



PEOPLE AND SKILLS INNOVATION

CO-ORDINATING CONTRACTORS

As construction at Hinkley Point C moves above ground, co-ordination between contractors installing complex cabling and pipework in the power station's rooms will be vital.

Hinkley Point C is using learnings from Taishan to create a new joint venture of contractors working on the Mechanical, Engineering and HVAC (heating, ventilation and air-conditioning) elements of the build, to ensure they work together efficiently and aren't competing for access to the same areas.

INVESTING IN PEOPLE

The build's main contractors are working closely with training providers across the South West to meet the demand for skilled local workers for Hinkley Point C and its supply chain. As part of our



commitment to helping to create a skills legacy locally and right across the UK, 1,000 new apprenticeships will be created during the build.

From trainee steel fixers and nuclear scientists, to chefs and project controllers, apprentices will be vital to both the Hinkley Point C build and for the future of the construction and engineering industries.

DID YOU KNOW:

Excavation of Unit 2 has been 15% quicker than Unit 1. Drilling techniques and during the first dig and were applied from the start of the second. Some Unit 1

work sequencing were perfected work was eliminated for Unit 2.



Wharf refurbishment

Combwich Wharf is soon to be refurbished, to allow Hinkley Point C to bring in large loads by sea more efficiently.

Once unloaded, the shipments are carefully transported via an existing private road around Combwich village, and on to the road to the construction site.

In early April, project representatives met with the local community to share the plans and answer questions about the work, which is due to start in early summer and finish by the end of 2020.

The next loads to be delivered by sea are the large components for the Tunnel Boring Machine, which will arrive later this year.

Debate on deterrent

Hinkley Point C is committed to protecting the fish in the Bristol Channel and would like to hear your feedback on its plans.

Its Development Consent Order (DCO) contains three measures to protect fish from the project's cooling water system – using an acoustic fish deterrent, whereby sound is used to discourage certain fish species from getting close to the water intake system.

Hinkley Point C wants to remove the need for the deterrent, following new, independent evidence from the Centre for Environment, Fisheries and Aquaculture Science, that it could have a negative impact on workforce safety.

Other measures to reduce water speed and a fish recovery-and-return system would remain in place.



MORE ONLINE:

Find out more about the public consultation at www.edfenergy.com/AFDconsultation. Have your say by sending feedback to hinkley-enquiries@edfenergy.com.

Marr crane towers over Hinkley Point C skyline

Glance towards the Hinkley Point C skyline and you will be able to see the world's largest capacity tower crane standing tall above the other cranes.

The 72-metre, diesel-powered Favelle Favco luffing crane is being used to lift components for the Tunnel Boring Machines (read more about them opposite). The mammoth crane can lift 330 tonnes – roughly the equivalent of 18 double decker buses at any time.

Specially designed by family-run business Marr Contracting, the crane made its way to Somerset from Australia on four ships, and took 10 weeks to reach Avonmouth. It is expected to be in use for at least 12 months at Hinkley Point C as the six tunnels are bored into the Bristol Channel.



The Marr crane stands 72m high and has a 73m main boom

Joining the jetty set

Rising from the Bristol Channel, Hinkley Point C's jetty is nearing completion following its two-year build.

Once it's fully operational, the jetty will receive deliveries of marine sand and other aggregates by water, reducing the number of vehicle movements for these materials on surrounding roads.

The materials will be offloaded via

a system of gantries and a 500-metre conveyor belt.

Jon Maxwell, Hinkley Point C's Area Construction Delivery Manager, said: "It's very satisfying to think that this challenging project is nearly ready to support Hinkley Point C. It will reduce the volume of traffic coming through the local towns and villages en route to site from the Mendip quarries."



Local schoolchildren came to see the Tunnel Boring Machines named



Machines named ahead of tunnelling

The first of Hinkley Point C's giant Tunnel Boring Machines (TBMs) is being prepared to start the colossal job of tunnelling under the seabed.

The TBMs will dig three tunnels, two intake and one outfall tunnel, for the new power station's cooling water system. The first machine will soon be ready to bore a tunnel that will carry seawater to cool the Unit 1 reactor. Over the coming year, it will bore 3.3km under the Bristol Channel.

Before any of the 1,200-tonne TBMs start work, they have to be named according to tradition. 215 primary schools from across the county competed for the honour to choose their names.

More than 70 students from the winning schools – St Peter's First School in Williton; Stogursey Church of England Primary

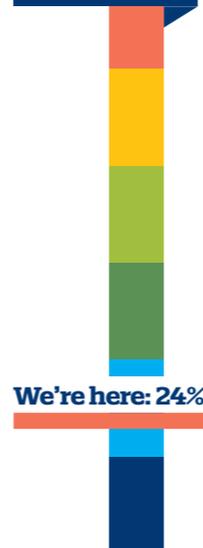
School; and Cannington Church of England Primary School – visited Hinkley Point C to see the winning names revealed and to have a full tour of the Hinkley Point C site.

Visit www.edfenergy.com/tunnelboring to read more about the competition's lasting legacy.

WHAT'S IN A NAME?

As the patron saint of miners is Saint Barbara, it is traditional to give drilling machinery female names. The winning names were inspired by the South West's fossil finder Mary Anning; suffragette Emmeline Pethick-Lawrence; and Spitfire engineer Beatrice Shilling.

THE PATH TO HINKLEY POINT C GO LIVE



New report launches

A new report has been published that uncovers some of the wider benefits of Hinkley Point C. It shows that the new nuclear project is providing a lasting legacy of benefit to the South West region and the UK. Plugged in will have more information on the report in the next issue. Until then, it reveals:

- Almost £1 billion spent directly with

businesses in the South West so far

- More than 1,700 of the workforce live in Somerset
- Around 300 young people from Somerset work on the project.



MORE ONLINE:

To read the full report, visit www.edfenergy.com/hpcbenefits.

Project dashboard

BUSINESS BITES

£521m

spent in the local area to date, including contracts, land purchases and \$106 payments



3,829

people are currently employed on Site

340

local companies have secured contracts at Hinkley Point C to date

SKILLSET SNIPPETS

6,500

new job opportunities have been created to date

378

apprentices have worked at Hinkley Point C

8,500+

people trained or assessed at the Construction Skills and Innovation Centre in Cannington

TICKER TAPE

PROGRESS ON PERMANENT BUILDINGS: Work on the site's first permanent buildings is underway, giving a glimpse of will store components during construction of the Nuclear Island, and will house workshops and storage facilities. Work

the shape of things to come. Roughly the size of three football pitches, the Framatome Warehouse has also begun on the Simulator Building, which will act as a training centre for nuclear scientists.

PHOTO COMPETITION



Win... a £50 Amazon voucher

Entries
must be
submitted by
Friday 14 June
2019.

Congratulations to last issue's winner, Malcolm Lewis from Bridgwater, who has won a £50 Amazon voucher for this great image taken at Kilve Beach, using a Nikon D5200 DSLR.

CALLING ALL PHOTOGRAPHY ENTHUSIASTS...

Are you a budding photographer? If so, this is a perfect opportunity for you

to showcase your skills and win a £50 Amazon voucher. To be in with a chance of winning this brilliant prize, share a photograph taken in or around the South West with us.

We will publish the winning photograph in the next issue. Simply send your high-resolution image [saved at 250dpi] to pluggedin@44communications.com, along with your full name, details of where the picture was taken and what camera you used.



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forty four
Engaging people*

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

WHAT'S ON



APRIL - JULY
2019

06 APRIL – 28 APRIL
Hunt out sweet treats at the Easter-Egg-Stravaganza at Wookey Hole.
wookey.co.uk/easter-egg-stravaganza

04 MAY – 05 MAY
 Join the Taunton Garrison as it defends Dunster Castle from the Spanish Armada.
nationaltrust.org.uk/dunster-castle

09 MAY
Hinkley Point C Transport Forum, Bridgwater and Taunton College, Cannington. From 6pm.

11 MAY – 12 MAY
Enjoy a weekend of wellbeing, delicious food and live entertainment at Taunton Feel Good Festival 2019.
tauntonfeelgoodfest.co.uk

16 MAY
Hinkley Point C Community Forum, Bridgwater and Taunton College, Cannington. From 7pm.

02 JUNE
Take to the hills for a 10, 20 or 30-mile sponsored walk or run for the Mendip Challenge.
westonhospicecare.org.uk/mendip

16 JUNE
Wedmore 12, 30, 40 or 70-mile Charity Cycle Event.

11 JULY – 14 JULY
Live music performances and action sports at the NASS Festival at Bath and West Showground.
bathandwestshowground.com