

Connect

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ISSUE 146

INTRODUCING...

CHANGE IS IN *OUR POWER*

Our exciting new brand campaign that has hit TV screens.

It's World Alzheimer's Month

Paralympian Sammi Kinghorn is Queen of the track

The end of Kraken migration

Hinkley Point B successfully defuels first reactor



EDITORS' NOTE

Change is in our power! Welcome to our September issue, redesigned to reflect the latest branding. In this edition we find out all about the exciting **new brand campaign** that has hit our TV screens.

The Olympics were a huge success, with a fantastic 65 medals for Team GB. All eyes are now on the Paralympics and we chat to EDF-sponsored wheelchair racer **Sammi Kinghorn** and hear about our own **employees' experiences** at the Games.

To recognise World Alzheimer's Month, **Mark Gardner** shares how he cared for both of his parents who had dementia. And make sure you try out our **quiz** to test your knowledge of the condition.

Elsewhere, we **celebrate migrating** all customer accounts onto the Kraken platform and **defueling** the first reactor at Hinkley Point B. It's also been a summer of storage success as our **Sundon battery** is energised with four more batteries in the pipeline.

We'd love to hear your stories and share them with everyone around the business. Email us your news and pictures at connect@edfenergy.com

JULIA NUTLEY AND KATHY MANSON
The Connect team



PROJECT MILESTONE SUCCESS AT HINKLEY POINT C

Another of the 2024 milestones for the Hinkley Point C project has been achieved a month early, with 30 short, vertical tendons installed in Unit 1's reactor building in July.

Placing miles of steel strands into ducts filled with grout is called pre-stressing and will make the inner containment barrier around the reactor even stronger. In the unlikely event of an incident, radioactive particles will be prevented from escaping.

A further 101 longer, horizontal tendons will be installed later this year to fully complete phase 1 on Unit 1, which will be replicated later on Unit 2.

Desire Modo, Project Manager, said: "We're very pleased to achieve this milestone."

FIND OUT MORE ON eNZO

BUDGET BOOST TO HELP BUILD MORE RENEWABLES

The government has announced that the final budget for the Contract for Difference (CfD) Allocation Round 6 is just under £1.6 billion, an increase of £530 million.

With a CfD, companies building new renewable technologies will be paid a flat indexed rate by the Government for the electricity they produce over a 15-year period.

The budget available consists of:

- £120 million for established technologies, such as onshore wind and solar
- £105 million for emerging technologies, such as floating offshore wind and tidal stream
- £800 million for offshore wind





MATTHIEU HUE, CHIEF EXECUTIVE OF EDF RENEWABLES UK

"It is great to see that the Government has taken action by increasing the budget for this year's renewable energy auction. We must accelerate the deployment of renewables to meet our net zero targets and the Contract for Difference is a key mechanism to enable this.



WMS AGREES EXCLUSIVE TRADING DEAL WITH UTILITA

In July, Wholesale Market Services (WMS) signed an exclusive multi-year trading agreement with Utilita.

The UK's number one pay-as-you-go energy supplier, Utilita is a well-established energy and gas supplier with more than 800,000 customers and 1.5 million supply points. The agreement offers a route to market service from WMS, providing Utilita the energy to meet the needs of its retail business and offer competitive prices to its customers.

"With our market-leading wholesale market experience and expertise, we are excited to support Utilita in optimising its market position.



STUART FENNER, COMMERCIAL DIRECTOR, WHOLESALE MARKET SERVICES



SIZEWELL C RECEIVES KEYS TO NEW WAREHOUSE FACILITY

Together, the two warehouses at Orwell Logistics Park, Ipswich, provide over 500,000 square feet of storage space. The units are the first physical assets of the project's warehousing and storage strategy and future operation that will become a pivotal part of the construction programme.





JOINING FORCES TO 'ELECTRIFY BRITAIN'

We've partnered with Octopus Energy to form Electrify Britain, a new campaigning organisation dedicated to driving down bills and eliminating emissions from home heating, transport and local communities through widespread electrification.

The first goals are: to convince Government to remove policy levies from household electricity bills, cutting costs and enabling greater uptake of low-carbon home technologies; and push for Government to ensure the 1.5 million new homes planned are well insulated and with electricity at their core.

We aim to lead the electric revolution in helping Britain to achieve net zero.

LISTEN TO SIMONE ROSSI'S INTERVIEW ON RADIO 4'S TODAY PROGRAMME AND FIND OUT MORE ON eNZO

INTRODUCING

CHANGE IS IN *OUR POWER*





Nicola Collins, Senior Manager for Brand, and **Claire Brunel**, Brand and Campaign Lead, share how they're hoping our latest brand campaign will make us feel, think and do.

What is your role in the company?
Nicola: I look after the EDF brand in the UK. This includes launching campaigns, developing our tone of voice principles and adapting brand guidance from EDF Group for the UK. I've been at the company for seven years.

Claire: I look after our energy and electric vehicle campaigns and the logistics for our design studio. I've been with EDF for three and a half years and started as an intern.

Tell us about 'Change is in our power'
Over the last two years there has been a lot of negativity in the media surrounding the energy industry. Following the energy crisis, customers are desperate to see change. We believe only EDF can lead this change and the campaign shows how. For example, we're the biggest generator of wind, nuclear and solar; we're generating, building and investing in nuclear power; and we're inventing and supplying low carbon products for homes and helping our customers cut cash and carbon.

We can't drive this change independently. Change is in our power represents our customers, partners and stakeholders working together to see true change in the industry.

"Change is in our power represents our customers, partners and stakeholders working together to see true change in the industry.



Where will we see the campaign?
Everywhere! It's live across television, video on demand, radio, online and in cinemas. We've invested in outdoor advertising, capitalising on more people being out and about enjoying the summer and the Olympic Games. In big cities you'll see us on taxis and at the Olympic and Paralympic fan zones.

Internally, we want our people to feel proud of who they work for. We've engaged energy experts and senior stakeholders from across the company along the way with workshops and focus groups and featured our own staff in the creatives.

> We want to inspire people to drive the change that the industry is looking for.





WATCH THE NEW AD



Feel, think, do
The campaign aims to make people feel something positive towards EDF, think about what we're doing and make a difference by encouraging action, for example buying low-carbon products or monitoring energy use.

What does success look like?
A shift in the public's perception of us as an organisation. We want to be seen positively as a retailer and nuclear generator, so more people will consider us as a place to work and join us as a customer. This will make the company more successful as a result.

How will it help us on Britain's journey to achieve net zero?
We want to inspire people to drive the change that the industry is looking for. The EDF brand belongs to everybody in the company, we want everyone to feel proud of it. Collective action is the only way to truly help Britain achieve net zero.

What are you most proud of?
The speed at which we've turned the campaign around. We appointed our agency in May, created storyboards and filmed across multiple sites in mid-June, and launched on television at the end of July – all on time and on budget. A phenomenal achievement.

We've worked closely as a team and are proud to have produced something that stands out and everyone can get behind.

How is the campaign different to previous campaigns?
Previous styles have often shown what we're already doing but change is in our power plays on emotions. Our 'feel, think, do' model helps to bring the customer to the heart of what we're doing.

Tell us a bit about yourself
Claire: I like to keep active with dance classes and daily workouts. I love anything cultural including going to shows, the cinema and exhibitions. I also like planning trips – I'm off to Marrakech in September.

Nicola: I enjoy time with my family who are growing up too fast! I love travel and going to music concerts - I even managed to go and see Taylor Swift recently.



QUEEN OF THE TRACK

Sammi Kinghorn shares her journey from a farm in Scotland to Paralympic wheelchair racer.

Sammi, tell us a bit about yourself.
Cooking is my favourite pastime. I'm learning guitar and love trying new things. I present Countryfile on the television which I love because I'm passionate about sustainability and farming. I'm also planning my wedding in January to my fiancé Callum.

Tell us about the moment your life changed forever.
It was 2 December 2010 and I was 14 years old. I was helping Dad clear snow and for some unknown reason I jumped on a forklift that he was using to clear the snow and fractured my back.

How did you overcome the challenges after the accident?
I had incredible people around me. My family, friends and physiotherapist all supported me and never made me feel like my disability was an issue.

How did you discover wheelchair racing?
I went to the Spinal Uni Games in 2011. I saw a girl wheelchair racing, tried it out and thought "that's what I want to do with my life!" They put us in contact with Red Star Athletics Club and we took it from there.

You've become the fastest-ever female British wheelchair racer over various distances. What drives you?
I'm still getting faster, and I haven't reached my peak. That hunger to get faster always drives me.

How did you feel when you first competed at the Paralympics in the 2012 London mini-marathon?
The first one felt absolutely incredible. Being with other children competing in racing wheelchairs was amazing. I felt like I was truly part of something and had a community around me.

What does representing Paralympics GB mean to you?
It's such an honour. It's been my dream since I took up wheelchair racing and it makes me very proud.

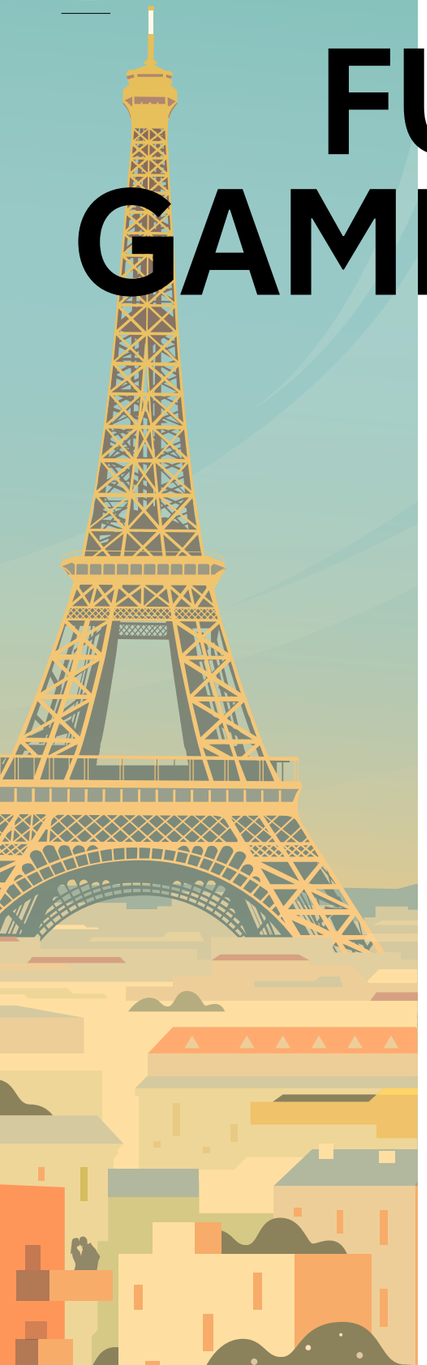
How will the sponsorship from EDF help you in the 2024 Paralympics?
Companies underestimate how important the confidence and belief in me feels. The financial support means so much it meant I could literally get new racing wheels in time for Paris. The confidence that comes from a company as big as EDF believing in me is amazing.

How are you feeling about the upcoming Games?
I always get nervous but I'm so excited to compete for a Paralympic medal in the stadium with my friends and family watching. The Tokyo Games in 2020 were so hard without them there.

Do you have any advice for anyone who is facing challenges like this in their life?
Move and get outside if you can, exercise is powerful. I always feel better afterwards – even if it doesn't fix my problems, moving always changes my mood.



"The confidence that comes from a company as big as EDF believing in me is amazing.



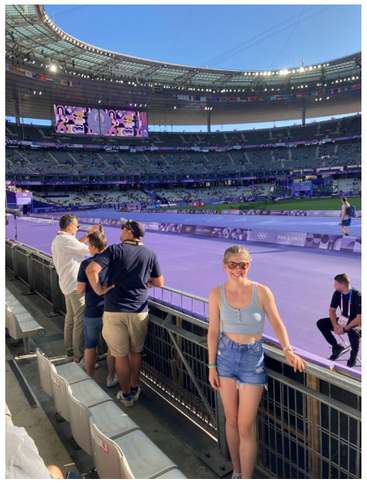
FUN AND GAMES IN PARIS

250 volunteers, marathon runners and competition winners enjoyed the Olympic Games in Paris this summer and we're excited to do it all over again for the Paralympics.



Sophie Huggon, Account Manager, EBS, was part of the project team organising the volunteers.

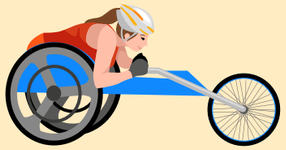
"I was there to greet the volunteers when they arrived, be their go-to person and translate when needed. The volunteers were always smiling and very grateful to be in Paris. Some even got to meet a few athletes. It was amazing for my French, and so fun and sociable, but it's fair to say I was exhausted by the end!



"The marathon was a real highlight for me. There was such an incredible atmosphere. I helped design the EDF fanzones for our volunteers, family members and EDF staff to get together and cheer on our runners.

"I also got the chance to see some of the athletics. We were very lucky and had the most amazing seats, right by the finish line!

"The Paralympics are in full swing and had a fantastic opening ceremony at Place de La Concorde and the Champs-Elysées. Many of our project team have already headed back to Paris to pass the baton to our 250 volunteers. We're all looking forward to another amazing two weeks of sport."



READY TO RACE

Sara Attree, Head of People Experience in Customers, tells us about her daughter, Fabienne, who's competing as a wheelchair racer in this year's Paralympic Games.

"Fabienne has cerebral palsy which affects her muscle control, in particular her walking and coordination. We've always encouraged her to be brave and have a go at things in her own way.

"She started wheelchair racing in 2019 and was selected as part of Team GB the following year when she went to the European Championships and then to the Paralympics in Tokyo.

"I'm super proud of her and all that she's achieved. Sport has been hugely positive for Fabienne – watching her grow has been an incredible privilege. She's had so many opportunities and experiences thanks to the sport, that she may never have had without her disability."

Watch Fabienne at the T34 Women's 800m on 7 September.

FOLLOW HER ON INSTAGRAM @FABIENNE_1996



Sara Attree and Fabienne André



> The ‘Marathon Pour Tous’ was one of the best experiences of my life.

MAGICAL MARATHON

Congratulations to Rebecca Pickering from Hinkley Point C and Wayne Jones from Heysham 2, for successfully completing the Mass Participation Marathon at the 2024 Paris Games. So far, they’ve raised more than £3,500 for Alzheimer’s Society.

Rebecca said: “The ‘Marathon Pour Tous’ was one of the best experiences of my life. Some of the moments around the course will stay with me forever. It was the most beautiful route that somehow managed to give me goosebumps despite the heat!”

Wayne said: “What an experience, it was incredible. The support from the public who lined the entire route, cheering us along, was unbelievable, as were the dancers, drummers and live music around the course. Then we had the beautiful landmarks and the Olympic torch all lit up for our nighttime run.”



SEE MORE PICTURES FROM THEIR AMAZING RUN AND DONATE TO THEIR JUST GIVING PAGES ON eNZO



SUMMER OF STORAGE SUCCESS



> Our strong pipeline of battery storage projects is helping to accelerate the energy transition.

EDF Renewables celebrated more storage success in July, with the energisation of a 52MW battery in Sundon, Bedfordshire.

With six projects in construction, we’re set to bring more than 300MW of battery storage online within the next 12 months, including a 57MW battery in Braintree, Essex and a 47.5MW battery in Saint Austell in Cornwall.

The combined 313MW of battery storage could provide sufficient power to meet the needs of over 400,000 houses for two hours*.

Dorset Council also recently approved planning for a 47.5MW battery near Mannington.



Simone Sullivan, Head of Solar, Storage and Private Wire at EDF Renewables UK, said: “Our upcoming project pipeline will strengthen the UK’s capacity to integrate more renewables, and will allow the grid to be more flexible and resilient by managing electricity supply and demand.

“Battery storage is critical to enhancing our energy security and to achieving the new government’s 2030 targets. We have a strong momentum behind our projects, helping the UK to reap the benefits of cost-effective, clean renewable energy and a modern, flexible grid.”

* Methodology assumes that all batteries are producing at 100% for a two hour period. Based on an annual household consumption of 3,400 kWh/year.



TRANSFORMATION BY COLLABORATION

Our sustainable business update sets out everything we're doing to help Britain achieve net zero.

We're rising to the challenge of decarbonising Britain and transforming Britain's energy system. Our sustainable business update, released this week, tells how.

WHAT'S BEEN UPDATED?

The report leads with our new brand slogan 'change is in our power' and shows how through four pillars we're leading that change:



1

Our mission to **Electrify Britain** is well on its way. We're the country's biggest zero carbon electricity generator with Hinkley Point C and Sizewell C expected to produce enough energy to power 12 million British homes, and our renewables capacity is set to grow fivefold.





2

We're always looking for ways to **help our customers save cash and carbon**. This includes providing £15 million for those most in need last year and increasing funding for our 2023 ECO and Great British Insulation Scheme by over £100 million. We're installing heat pumps, solar panels and electric vehicle charge points for our customers and are helping industries decarbonise.

3

It's vital that we continue **protecting our planet**. The power we produce is zero carbon at the point of generation and our nuclear generation has helped avoid more than 13m tonnes of CO2. We're leading the way in biodiversity across all our operational nuclear sites and exceeding targets to reduce waste going to landfill.

4

We need to make a social impact and **improve people's lives**. In 2023 we created nearly 2,000 jobs and we aim to recruit over 2,500 more in 2024. Small and medium-sized enterprises now cover 65% of our supplier base and our spend with them is more than £1.5 billion.



Jemma Thorne, Sustainability Analyst for Net Zero Strategy & Policy, said: "The sustainable business update showcases the company's progress and commitment to helping Britain achieve net zero.

It underpins our dedication to supporting vulnerable customers, circular economy principles and positively impacting the local communities where we work. It reinforces our role in leading the transition to a sustainable energy future but also builds trust with stakeholders, demonstrating our proactive approach to addressing global sustainability challenges."

READ THE REPORT



MIGRATION CELEBRATION



The Kraken project is the biggest technical migration the business has ever seen.



A huge 5.8 million product accounts have been successfully moved over to the new Kraken system, marking the official end of the migration journey. It's all down to an amazing team effort and much-deserved celebrations were held at our Customers' offices in Doxford, Exeter and Hove.

Kraken is an operating system specifically built for the energy industry and will help provide a better experience for our customers. The first accounts were successfully migrated in April last year.

Philippe Commaret, Managing Director of Customers, said: "Fantastic work from all the teams. Our customers are telling us that what we're delivering is so much better than we had a year ago. Be proud of what you've done and look forward. We're going to deliver great things."

> With the migration complete, we're now fully equipped to give our customers the best service we've ever offered.

Richard Hughes, Director of Retail, said: "Our teams have worked incredibly hard to make this significant transition as smooth as possible for our customers, keeping disruption to a minimum. With the migration complete, we're now fully equipped to give our customers the best service we've ever offered alongside the best deals for saving cash and carbon."

READ MORE ABOUT THE KRAKEN PROJECT ON eNZO









IT'S WORLD ALZHEIMER'S MONTH

Each September, people unite from all corners of the world to raise awareness of Alzheimer's disease and all types of dementia.



Mark Gardner, a Fuel Route Systems Group Head in Nuclear Operations, shares his experience of caring for both of his parents who had dementia.





MARK, CAN YOU TELL US ABOUT YOUR PARENTS?

My mum, Frances, was a Post Mistress in small village shop in Devon. My dad, John, was an electrician, farmer and member of St John Ambulance. Both were pillars of the community and always willing to help others in need.

In their late 60s, both had mini-strokes and early signs of memory loss. They joined a local dementia club for meals and activities with people in a similar situation.

Unfortunately, Dad's health declined and in May 2018 he was admitted to hospital. I'd see Mum each week to mow the lawn and do odd jobs, and we'd visit Dad who moved into a nursing home nearby. My sister was struggling to cope with Mum, so we arranged for a carer, then eventually Mum moved into a care home. She was very happy there and I'd visit weekly and take her to see Dad.

Dad's health eventually deteriorated, and he passed away in July 2019. Mum's health also took a downward turn and she passed away in December 2022.

HOW DID THEIR CONDITION IMPACT YOUR DAILY LIFE AND RESPONSIBILITIES?

The practicalities of looking after parents with dementia can be very demanding, especially when you live an hour away. There were a lot of finances to sort out with bank accounts, the council and local authorities, and we had to sell their second home to pay for Dad's ongoing care. I also arranged their medication. Thankfully Dad was extremely organised with all of the records and had arranged power of attorney for both health and wealth whilst preparing their wills and funeral plans, which proved hugely important.

> "Although it was sad to see them deteriorate, there are still so many fond memories to look back on.

CAN YOU TALK ABOUT THE EMOTIONAL JOURNEY YOU WENT THROUGH?

The most stressful time was not having funds for my parents' care as the money was tied up in their property. Eventually the



council agreed that we could use a deferred payment system.

The social care system initially tried to place Mum in a care home far away, which would have made it impossible for me to visit both in one day and Mum and Dad wouldn't see each other again. Luckily, we managed to get her a care home locally.

It's tough seeing the health of both parents worsen in their final years. Even with dementia, they always recognised me and Mum would want a hug. Although it was sad to see them deteriorate, there are still so many fond memories to look back on.

HOW WERE YOU SUPPORTED IN THIS CHALLENGING PERIOD?

My wife was supportive throughout. My manager checked in regularly; if I needed a day off work it was never a problem and my team always covered for me. It's great that our charity partner is Alzheimer's Society UK, it makes the help and support available more visible and is a great cause.

WE'RE DELIGHTED TO **HAVE EXCEEDED OUR FUNDRAISING TARGET FOR ALZHEIMER'S SOCIETY UK** THIS YEAR ALREADY.

FROM JANUARY TO JULY 2024 WE HAVE RAISED

£105K

A BIG THANK YOU TO YOU ALL!

ADVICE AND SUPPORT

Our **Carers and Accessibility Network** offers lots of advice on eNZO and includes the Care Concierge service, which provides information about financial and links for useful services.

Alzheimer's Society

Our charity partner, Alzheimer's Society UK, has a helpful website as has Alzheimer Scotland.





MARK'S ADVICE

- Become power of attorney and arrange a will and funeral plan.
- Remember that different counties have different arrangements for social care.
- Talk to your manager and find out what support is available to you through the company.
- When visiting loved ones, take an iPad to show photos of their family and memories.
- Don't feel guilty about saying goodbye when you visit, you'll go again when you can.
- Enjoy the precious moments you have with your parents. It doesn't matter what their condition is or how bad their communication gets.

THANK YOU FOR SIGNING UP OR FOR TAKING PART IN:

- Trek 26 events, marathons, Tough Mudders and bike rides.
- Snowdon by Night.
- Lunch and learn webinars with Dementia Friends.
- Charity fundraising workshops with our charity champions.
- Volunteering at Morrisons for the Forget me Not appeal.
- The football player child escort competition.
- Croatia Mountain trek and Sahara trek in 2025.
- And many more fantastic fundraisers!

GO TO eNZO TO TAKE ON A CHALLENGE EVENT IN AID OF ALZHEIMER'S SOCIETY UK.



WE'D LOVE TO HEAR HOW YOU GET ON, DON'T FORGET TO EMAIL US AT CONNECT@EDFENERGY.COM

PROJECT DIAMOND ENSURES BRIGHT IT FUTURE



Two years ago, Connect reported on the ambitious Diamond Project, which set out to modernise our IT platforms. **Oliver Lawrence**, Head of Enterprise Technology, gives a project update.

How is the IT upgrade going?
We've successfully developed new IT platforms on Amazon Web Services (AWS) and Vodafone's Private Cloud. All Customer and Corporate applications have now been migrated from the Plymouth and Andover data centres to these new 'cloud' platforms to deliver future-ready IT services. As a result, we've been able to close the Plymouth data centre and Andover disaster recovery site – all without disrupting customer service.



We've also developed a high security IT platform on Microsoft Azure; migrated 15 Nuclear Operations business applications and migrated seven EDF UK sites to the new Software Defined Wide Area Network (SD-WAN).

What benefits has Diamond Project achieved so far?
By simplifying and reducing outdated systems and upgrading our IT technology we've improved our disaster recovery capabilities for Customers and Corporate, so we can better handle issues without major disruptions.

Our key achievements have been:

- Supporting transformative business programmes like the migration to Kraken.
- Navigating key business dependencies and external pressures such as energy price caps.
- Helping to achieve Cyber Essentials and Cyber Essentials Plus accreditations to further protect the company from cyber-attacks.

Why is the Diamond Project important?
It's more than just updating our digital systems; it's also a key part of the company's plan to move away from older data centres and make sure our IT systems are secure, stable and ready for the future.



> Project Diamond is more than just updating our digital systems; it's also a key part of EDF's plan to move away from older data centres and make sure our IT systems are secure, stable and ready for the future.

What challenges have you faced?
Fewer applications were moved to the public cloud than initially forecast because application updates were needed that were outside the project's scope. There were also issues with the SD-WAN transformation due to challenges with the high security management tools needed for Nuclear Operations.

When will Diamond Project be complete?
We're focusing on supporting Nuclear IT Services (NITS) to move the remaining Nuclear Operations applications directly to Microsoft Azure, a cloud service that will offer better technical support and improve our overall security. We're rolling out SD-WAN to Nuclear Operations by the end of 2025. A new initiative called Exodus will oversee the final steps of this migration and the full exit of Barnwood.

The Diamond Project has been a challenging but rewarding journey, and we're proud of the progress we've made so far.

How will you recognise the closure of the Plymouth site?
The closure this September is a significant milestone. It will be tinged with sadness But there is a lot to be proud of. An event on 11 September will bring colleagues together and celebrate Project Diamond and the achievements of the Plymouth site.



A NEW CHAPTER FOR HINKLEY POINT B

Hinkley Point B has successfully defueled its first reactor. We speak to **Matt Exton**, Head of Fleet Fuel Route and Spent Fuel Operations, and Station Director, **Nicola Fauvel**, about the how the process is going.





DEFUELING AND DESPATCHING

Matt: Defueling involves removing spent nuclear fuel from the reactors and despatching it off site in fuel flasks for processing and long-term storage. We work closely with our partners at Sellafield who receive and process our spent fuel.

Preparation starts about six years before generation ends and is wide-ranging, including creating safety cases, plant modifications, process changes and pre-defueling outages.

It's our responsibility to close out this stage of the nuclear lifecycle. We have used these reactors to generate electricity and we need to make them safe for the next stages of decommissioning by removing the biggest hazard – the nuclear fuel.

It's also our legal responsibility to do so. We're committed to defueling our sites and handing them over to the Nuclear Decommissioning Authority (NDA) for longer term decommissioning. We're also servicing the taxpayer as our defueling costs are reimbursable from a taxpayer-backed fund called the Nuclear Liabilities Fund (NLF).

CHANGE AND INNOVATION

Nicola: All credit to the team, defueling is huge endeavour that stretches across the station, central functions, the fleet and beyond. All of the collective support has made us successful. We have such expertise in a diverse and in-depth set of areas and a big part of our success can be attributed to the trust we all have in each other.

Moving into defueling is a huge mindset change. It's an activity where people, the process, the plant and paperwork must constantly interact. It needs things happening all the time to keep defueling going.

We're still an operational power station, so we have all the rigour that comes with that as there's still fuel on site. But we're all getting used to things changing – the plant configuration changes, for example, as does the safety case. There's so much to learn but with our huge breadth of capability, knowledge and experience we can do it.

It's all about getting the balance between maintaining and sustaining reverence for handling fuel and innovating in a controlled way. It's a huge opportunity to do things differently. How can we optimise how we deliver defueling while remaining within the safety case?

Defueling is an important contributor to the next step in the future of our people. After 46 years we have successfully moved into the defueling chapter and we're working towards the next one – deconstruction. We're still the custodians of this plant as we take it through to the next chapter of its life.



WHAT IS A SAFETY CASE?

A safety case is the body of evidence presented that demonstrates that the hazards presented by a nuclear power plant are adequately controlled and mitigated. It makes sure the risk to workers and the public is as low as reasonably practicable.

NUCLEAR REACTORS OF THE FUTURE?



WHERE IN THE WORLD?

EDF Group has signed a cooperation agreement with Franco-Dutch start-up Thorizon to advance the design of a small modular molten-salt nuclear reactor, expected to be ready by the end of 2030.

Molten-salt nuclear reactors use liquid fuel in the form of salts which come from recycled fuel.

The R&D team in France will carry out calculations of the reactor core and test scenarios to determine how the molten salt reactor could help 'close the fuel cycle' and reuse the spent fuel.

The Thorizon One reactor hopes to produce between 50MW and 300MW of electricity based on demand. The reactor core is made up of molten salt cartridges that are replaced every five to 10 years, to help prevent corrosion of the materials and reduce the handling of spent fuel.

The research is supported by the French government as part of the France 2030 programme and Thorizon has invested 20 million euros in the project.

Kiki Lauwers, CEO of Thorizon, said: "It's a pleasure to work with the EDF team, which has more experience in nuclear than any company in the world. Thanks to EDF's R&D department, start-ups like us benefit from access to unique industrial experts who can very quickly identify the strengths and areas for improvement in our design."

FIND OUT MORE ON VIVRE EDF ONLINE (VEOL)

WORLD ALZHEIMER'S MONTH QUIZ



To mark World Alzheimer's Month and celebrate our charity partner Alzheimer's Society, we've put together a quiz about dementia, and its most common cause, Alzheimer's disease. See how many questions you can get right.

1. How many people in the UK are living with some form of dementia?
A. One million
B. Two million
C. Three million

2. How many people around the world are living with dementia?
A. 50 million
B. 55 million
C. 60 million

3. Dementia is most common in people of which age group?
A. 55 and older
B. 60 and older
C. 65 and older

4. Alzheimer's disease breaks down connections between cells and can shrink the brain. By how much can the brain shrink?
A. Up to 140g
B. Up to 150g
C. Up to 160g

5. Around how many nerve cells does the brain have?
A. 20 billion
B. 70 billion
C. 100 billion

6. What is the estimated total number of carers in the UK (not just those caring for someone with dementia)?
A. 9.3 million
B. 10.6 million
C. 11.4 million

7. In the UK, around how much of the financial burden of dementia is placed on people living with dementia and their families?
A. 43%
B. 63%
C. 77%

8. How much money do unpaid carers supporting someone with dementia save the UK each year?
A. £15 billion
B. £18 billion
C. £21 billion

9. How much has Alzheimer's Society invested into dementia research so far?
A. £69 million
B. £81 million
C. £94 million

10. Alzheimer's Society research discovered the importance of Amyloid protein in Alzheimer's disease. Who led this research?
A. Sir John Hardy
B. Ronald Fisher
C. John Maynard Smith

Answers: 1a; 2b; 3c; 4a; 5c; 6b; 7b; 8c; 9c; 10a.



OUR 2024 PHOTOGRAPHY COMPETITION WINNER

Congratulations to **Vanessa Lenormand**, a Software Engineer in Customers, who has won our 2024 photo competition and a £200 voucher. This year's theme is about managing your mental health and wellbeing.

Vanessa wowed the judges with this stunning photo of her in a field of sunflowers. She says: "A peaceful walk through the countryside, watching the sunset over a field of sunflowers, symbolises the happiness and joy that nature offers for mental health and wellbeing."

Thank you to everyone who entered, we had lots of fantastic entries which we will continue to share online and in future issues.

Connect welcomes news and comments from all employees. Connect is published by EDF. Please email Julia Nutley and Kathy Manson at connect@edfenergy.com
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