

# The East Angle

East Anglia Offshore Windfarm Projects

Summer 2024

Creating a cleaner,  
**greener future**  
for everyone

> Local company starts  
work on  
East Anglia THREE  
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## Welcome to the latest edition of The East Angle

**This year is a landmark one for ScottishPower Renewables because offshore construction starts on the £2bn East Anglia THREE project, our second windfarm off the Suffolk coast and the second largest in the world.**

Many of the giant steel foundations that will hold its 95 turbines in the seabed have emerged from the factory and are ready for installation this year.

To ensure the seabed is safe for construction, a campaign to identify and clear any unexploded ordnance is under way.

Our cables team is preparing to install the onshore export cable that will carry the green power from offshore to join the National Grid at Bramford.

Behind this impressive project, and all of our operations in the east of England, are dedicated talented offshore wind professionals.

You can find out about some of our people in this edition.

We welcome Pedro Fernandez, now leading East Anglia THREE as Project Director, and Michael Hotze, in the same role for East Anglia TWO and ONE North.

Rachel Beedie, the engineer and project manager responsible for the massive steel offshore foundations explains her role.

Ecology manager Marija Nilova talks about the responsibility of protecting the marine environment and minimising any potential impacts of our windfarms.

Finally, Terry Want tells how he transferred his skills from oil and gas to become an offshore windfarm controller on East Anglia ONE.

**Ross Ovens** Managing Director - Offshore, East Anglia Hub



## Testing of transition pieces

**A team from East Anglian business Stowen has been carrying out trial activities on East Anglia THREE's newly fabricated components preparing for offshore work to start.**

Managing director Kieron Ford and his team travelled to Spain to work on a mock-up on one of the first transition pieces manufactured at Windar Renovables in Spain.

The exercise, with other contractors on the project, was to practice offshore construction activities in a controlled onshore environment.

As part of Stowen's construction services contract with ScottishPower Renewables, it was tasked with preparing rescue plans for lowering personnel to the crew transfer vessels from the transition piece level.

Kieron said: "Following the completion of the plan, Stowen, alongside Scottish Power Renewables and Siemens, were able to take an opportunity of utilising the Windar facility in northern Spain to run through the plan on a mock up to prepare for the project.

"The outcome was the reassurance that the rescue plan was suitable for use having been completed in a safe and controlled environment prior to the TPs being installed offshore, bringing safety to the forefront of the project."

## Welcome to Pedro and Michael

**Experienced project leader Pedro Fernandez has joined the East Anglia Hub team as Project Director for East Anglia THREE.**

Pedro has worked for ScottishPower for many years holding senior positions, including Head of Supply Chain for UK Projects and Head of Contracts in our Offshore Business.

Pedro's experience in project management and commercial negotiations is well suited to leading our biggest offshore wind project to effective delivery.



**Pedro Fernandez** - Project Director for East Anglia THREE

**Michael Hotze is the new Project Director of East Anglia ONE North and East Anglia TWO.**

Michael was part of the team that delivered East Anglia ONE for four years as Package Manager for its transmission assets - its offshore substation, export cable and the onshore substation.

"The most important thing I learned was to stay close to what is happening on the ground, during construction. It's very important that we build these projects in a considerate way, respecting the people, the nature and history of the local area. It's impossible to construct a major project unless you make strenuous efforts to take everyone on the journey with you."



**Michael Hotze** - Project Director for East Anglia ONE North and East Anglia TWO



# East Anglia THREE offshore build to start

## Offshore work to build our second offshore windfarm off Suffolk will begin this year.

When East Anglia THREE's turbines are fully operational in 2026, they will generate enough green electricity to power 1.3 million UK homes.

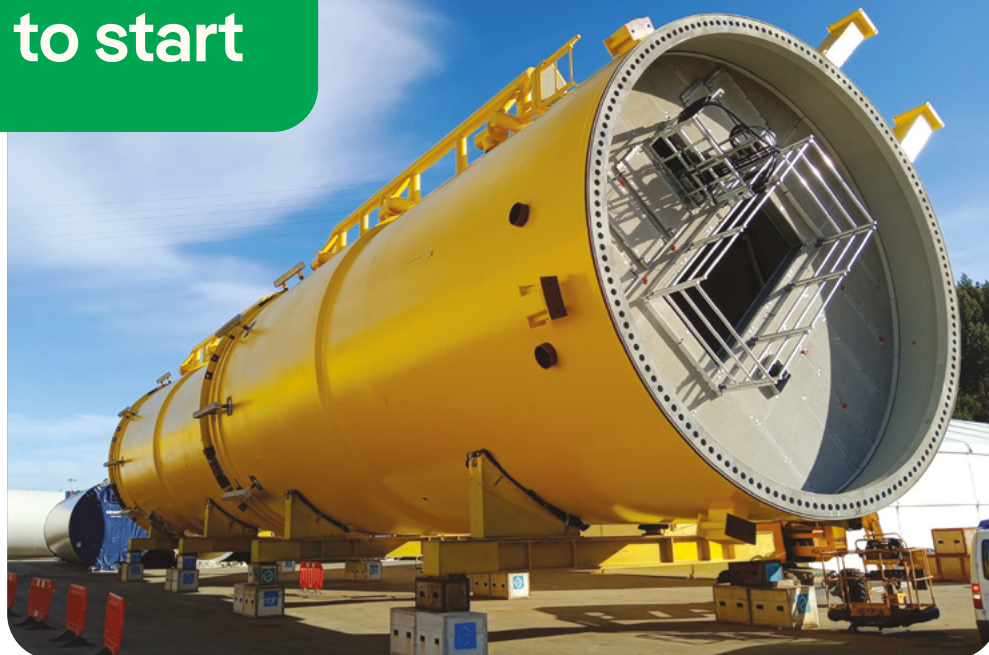
Offshore work to bring the £2bn windfarm to life will take two years. It will be the world's second biggest offshore windfarm.

The pace of technology development, growth and efficiency in offshore wind means East Anglia THREE's 95 turbines will have double the capacity of the 102 turbines on East Anglia ONE, which became fully operational in 2020.

The tip height of the 14.7MW Siemens Gamesa turbines will reach up to 262 metres – that's nearly 20 metres higher than the observation deck at The Shard in London.

The turbine towers will stand in massive foundations driven deep into the seabed 69 kilometres offshore.

The gigantic steel foundations – designed by a UK-led team – are starting to be transferred to portside where they will be loaded on to heavy lift vessels to be installed at sea.



Each monopile that is sunk into the seabed is:

- Between 67 and 85 metres long
- Up to 10.6 metres in diameter
- Weighs between 1,200 and 1,800 tonnes.

Turbine towers stand in transition pieces that stand on top of the monopile. These are:

- 20 metres high
- Eight metres in diameter
- More than 400 tonnes in weight.

The monopiles are being manufactured by Joint Venture Navantia Seanergies Windar Renovables (JVNW) and Haizea and the 95 transition pieces by Windar Renovables.

All 95 steel foundations will be transported and installed by Seaway7, part of the Subsea7 Group, using its new generation fleet of heavy lift vessels managed from Seaway7's UK offices in Surrey and Aberdeen.

> East Anglia THREE will create more than 2,300 jobs during construction and have more than 100 long-term skilled jobs at its operations and maintenance base.

> Contracts worth nearly £70 million have already been placed with UK companies for the onshore and offshore phases of East Anglia THREE construction.

## East Anglia THREE



Generating green electricity for the equivalent of  
**1.3 million**  
UK homes



Creating more than  
**2,300 jobs**  
during  
construction



**>100**  
long term jobs  
operating and  
maintaining the  
windfarm



**>£2billion**  
investment in the UK  
during construction  
and operation



Contracts worth  
nearly  
**£70 million**  
already placed  
with UK companies  
for EA3



**95**  
**14.7MW**  
wind turbines



Sam Balmford - Cable Installation Package Manager

## Team prepares for onshore cable work

Cable Installation Package Manager Sam Balmford said: "We have started manufacturing and testing the onshore and offshore cable. This is a very rigorous process of 'pre-stressing' the cable and then carrying out electrical tests to ensure we have mimicked its real-life exposure as close as possible."

About 20 people are working on the cable system in the East Anglia THREE project team of more than 200.

In preparation for onshore work, a site office has been built at Bramford and the team is busy ensuring all planning commitments and consents are in place, reviewing risk assessments, liaising with more than 50 landowners along the onshore route and keeping the planning authorities informed.

The cables are being made by NKT at its factory in Sweden, which is powered by 100% green energy in its mission to offset the carbon footprint of power cables produced for the global energy transformation.

### Preparations are under way for installation to start on East Anglia THREE's 40km onshore export cable.

In the next six months, the cable will be laid into ducts installed in trenches seven years ago between Bramford and Bawdsey when East Anglia ONE's cable corridor was created.

The 340kV high-voltage direct current onshore export cable and the 150km offshore cable will connect the offshore substation with the onshore converter station to transmit power from the windfarm to shore.

## Subsea jet plough to cut CO2 construction footprint

**A new underwater plough with a high-pressure jetting system that will create the offshore trenches where East Anglia THREE's cables will be buried will cut the carbon footprint of our offshore construction.**

The faster and more efficient plough works on the seabed like a farming plough using nozzles capable of cutting through the high-strength clay along the offshore cable route.

It was designed by our contractor NKT, which is also designing, manufacturing and installing onshore and offshore cables for East Anglia THREE. Its vessel, NKT Victoria, pulled the plough on trials, which were a "resounding success," said Offshore Construction Manager Andy Newman.

"The more efficient design means faster, deeper burial using less power, which helps reduce the CO2 footprint of the construction."

"At all times we had a fisheries liaison officer on board to make sure that we were working considerately and not impacting others in the area."

## Sam leads "an amazing project"

**Mechanical engineer Sam Balmford chose a green job transferring years of skills and experience in the oil and gas industry to East Anglia THREE.**

He leads the project to install East Anglia THREE's offshore and onshore export cable system.

Sam joined in 2022 after working worldwide in offshore engineering in the oil and gas industry in different roles, including as an installation manager.

"I wanted to use my experience to be part of something that gives to the people, and in parallel reduces our carbon footprint to electrify our day-to-day lives."

On East Anglia THREE he is responsible for the development, engineering, tendering and award of major contracts for its transmission cable supply and installation.

"It's an amazing project, not only because of its size and the level of investment, but the distance the windfarm is from the coast line and the use of DC (direct current) technology to transmit the power from offshore converter station to onshore converter station."

The offshore wind industry is a good career choice because: "It is a young industry that is constantly evolving, I am a born engineer so this stuff is really exciting."

**"We look forward to using the system for EA3 construction in summer 2025."**





Scott Mabon -  
Onshore Converter Station Works Manager

**With the steel structures of the converter hall and control building in place, work is under way to make the buildings wind and watertight.**

## What's next on the Onshore Converter Station site?

The first of four 400kV transformers is due for delivery in June.

And construction works will also begin at National Grid's existing substation in preparation to receive East Anglia THREE's cable installation.

The coming months will see:

- Earthing and cable trench installation
- Completion of all building and structures, roads, pathways and drainage
- Installation of HVAC (heating, ventilation and air conditioning), lighting, fire protection in the converter hall and control buildings
- Members of the commissioning team joining us on site preparing for their upcoming works

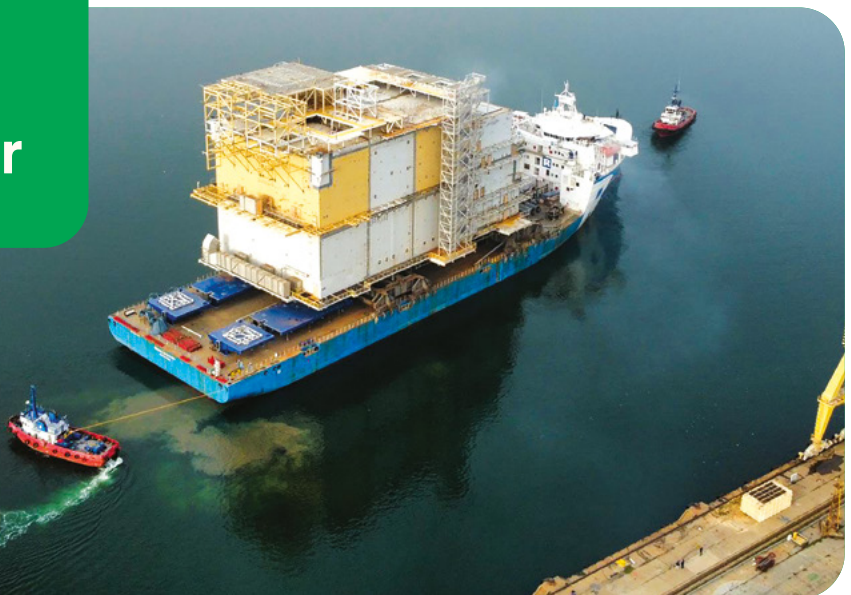
About 90-100 people are working on site as work continues on building the transformer bays and the AC (alternating current) switch yard, draining and duct installation across the site and creating new permanent accesses and roads, which involves placement of the ducts for the 400kV cable supplying the National Grid.

Scott Mabon, Onshore Converter Station (ONCS) Works Manager, said: "It is exciting times being involved in such a key renewable energy project and playing a small part as the UK and the world transition towards cleaner energy supplies."

Scott has worked on the project since September, overseeing all site-based works of Principal Contractor, Siemens Energy and its sub-contractors. Scott also worked on East Anglia ONE. He transferred his skills to offshore wind from 20 years in the oil and gas services sector in project management roles around the world for international and national clients.

## East Anglia THREE offshore converter station takes to the water

East Anglia THREE's offshore converter station has taken to the water for the first time, sailing to Norway to complete its construction before being installed off the Suffolk coast next year.



The seven-storey structure sailed away from where it was built in Romania for a journey of more than 3,800 nautical miles onboard the heavy transport vessel, Bigroll Beaufort to be fitted out with its specialist equipment at Stord in Norway.

Currently weighing in at several thousand tonnes, more than 68 metres long, 34 metres wide and 44 metres high, it will have its HVDC equipment installed at Aker Solutions' fabrication yard, which is another first for ScottishPower Renewables.

Next year, it will be installed off Suffolk ahead of East Anglia THREE's completion in 2026.

Pedro Fernandez, East Anglia THREE Project Director said: "This is a major milestone and memorable moment in our journey towards a cleaner and greener future. It was such an impressive sight to see the converter station – the biggest ever constructed across the whole of the Iberdrola Group – set sail.

"Getting to this point is testament to a massive team effort from ScottishPower Renewables, Aker Solutions, Damen, Mammoet, Roll Group, Bring, DNV, ABL and Bureau Veritas and that great teamwork will continue as we move to the next phase of construction."



## Shadow Chancellor welcomed to the 'beating heart' of our offshore operations

Rachel Reeves - Shadow Chancellor

**We welcomed Shadow Chancellor Rachel Reeves MP to our Lowestoft operations and maintenance base to hear first-hand about our multi-billion pound green investment in the East of England.**

Mrs Reeves toured East Anglia ONE's base with ABP Ports, spoke to our apprentices beginning their careers in renewables and met the construction team working on East Anglia THREE.

Together East Anglia ONE and East Anglia THREE represent green investment of around £5 billion, supporting thousands of jobs across the supply chain and helping to deliver the clean transition away from oil and gas.

Steve Hodger, Principal Operations Manager at East Anglia ONE said: "East Anglia is the beating heart of our offshore wind operations in the UK. Our multi-billion investment in the region is not only powering people's lives with low-cost green electricity – it's supported thousands of jobs, created supply chain growth and boosted the local economy."

Rachel Reeves, Shadow Chancellor said: "It was really inspiring to meet some of the young people working here – apprentices, graduate trainees – who are earning good wages and contributing to those important projects of lowering bills and boosting our energy security.

"I want to see more of that in Lowestoft and East Anglia and I'm excited about ScottishPower's plans for the future."

## Local company grows with East Anglia ONE partnership

**Lowestoft-based RMI Renewables has grown its team as its contract on East Anglia ONE has progressed.**

The business based on Whapload Road is less than 650m away from East Anglia ONE's, Operations and Maintenance base at Hamilton Road.

RMI's services to East Anglia ONE have included inspection and maintenance services for its wind turbines, high voltage support and management and servicing and working of the cranes.

Up to 15 people have been working on the contract, which has helped to grow its workforce and train new people.

Its latest recruit is Jack Howes, 22, who joined the team as an offshore inspection technician in February with a background of inspection and mechanical engineering experience from working on crew transfer vessels, inspecting transfer equipment, servicing engines and generators.

Jack attended Pakefield High School in Lowestoft and East Norfolk Sixth Form College and is shaping a career in renewable energy close to home, undergoing specialist training with RMI.

Director Scott McMillan said: "It is a great relationship from a mutual respect.

"It is easy for us to respond and mobilise as we are within walking distance of the O&M base and we can support quickly if something needs to be turned around swiftly and, in the same way, the SPR team can walk up for meetings."



Jack Howes - RMI Renewables



# Ecology and Environment

**ScottishPower Renewables gives the same careful consideration to ecology in its offshore environment during development, construction and operation as it does onshore.**



Marija Nilova - Offshore Ecology Manager

Meet our Offshore Ecology Manager Marija Nilova. Marija heads up our seabed and sea life surveys and species monitoring, both before and after construction, so we can study the marine environment and understand how to avoid or minimise the potential impacts of our windfarms.

**Q How long have you worked for ScottishPower Renewables and what is your role?**

**A** I joined SPR's Offshore Environment Team (OET) two and a half years ago and I work as an Ecology Manager.

**Q What are your qualifications and where did you study?**

**A** I studied marine biology at the University of Southampton.

**Q Have you always wanted to work on environmental issues?**

**A** Since I was about 10 years old I have been fascinated by nature – always being the one to explore the wildlife in a local forest, trying to propagate plants in a garden and “studying” pond water through a microscope. I knew I would like to learn more about the natural environment and after trying scuba diving I grew even more fascinated by the underwater world.

**Q What was your first job?**

**A** I started my career working for Natural England, specifically with one of their regional coastal and marine teams. From advising on planning applications, to helping plan surveys for Marine Protected Areas, soon enough I was involved with providing input into Nationally Significant Infrastructure Projects (NSIPs), which included windfarms on the south coast of England and in the Southern North Sea.

**Q What does your current job involve?**

**A** My job currently involves overseeing the OET's input and support for all East Anglia projects. I have reviewed post-construction monitoring reports for East Anglia ONE, contributed to several marine licence applications, advised the consents managers on environmental permitting requirements and obligations, and engaged with environmental regulators on technical topics, such as ornithology, benthic ecology and marine mammals. More widely, I chair a Southern North Sea Offshore Wind Forum (SNSOWF) group, which includes several developers in the region.

**Q What are the challenges?**

**A** We want to do our best to protect the environment, so my team and I advise the East Anglia project teams on the best solutions to challenges faced by our environmental obligations.

**Q What is the most rewarding part?**

**A** I find it really rewarding when the OET and the other project teams come together to finalise a specific methodology, or an approach, that then gets accepted by the regulators. Additionally, it is always great to attend offshore wind conferences and see innovative research being presented, particularly where it has been done using findings and data from SPR's projects.

**Q How long have you been working on the Hub and what do you like about the area?**

**A** I've been working on East Anglia ONE since joining SPR, and on the Hub projects for the past two years. Back in my Natural England days, I was actually part of the Norfolk and Suffolk regional team for some time, so I used to visit the area a lot.

It is peculiar how I now get to work on the offshore wind projects that would supply this region with green power, while ensuring due regard is given to both the offshore and onshore environments.

## Seabed monitoring

**Recent analysis of dedicated seabed monitoring at East Anglia ONE identified that not only has there been no negative impact on ross worm reefs on the seabed near windfarm cables and turbine foundations, but additional areas have also been identified where ross worm wasn't recorded before.**

SPR is also monitoring marine mammal populations at East Anglia THREE, which falls within the Southern North Sea Special Area of Conservation (SAC). Underwater recording devices have been placed in 12 locations for four years to help detect the presence and behaviour of harbour porpoises, which are a protected species in the Southern North Sea SAC.

Marija said: “What these surveys discover doesn't just help us – they also provide valuable insight for the wider industry and UK regulators and help ensure that wildlife and windfarms can happily co-exist side by side while we work to deliver more green electricity to the grid. It's great to be part of that.”

# The big interview

Rachel Beedie - Foundations Package Manager, East Anglia THREE

**When people think of offshore wind turbines, the blades tend to be the interesting part. But for engineer Rachel Beedie, the gigantic steel structures sunk into the seabed that hold up turbines as tall as The Shard in London are the most fascinating.**

**Her role is designing and overseeing manufacture of these increasingly mammoth foundations that will have to last in the harshest of environments – the North Sea - for more than three decades.**

“When people ask me what I do, and I say I work in offshore wind they always ask how the turbines work. When I explain what I do their faces go blank. Big bits of steel don’t interest everyone. Few people think about the bits subsea and in the seabed.”

Rachel is the Foundations Package Manager for East Anglia THREE. Its 95 14.7MW turbines need new generation XXL foundations - monopiles and transition pieces – to stand upright.

“I am responsible for the design and fabrication of the monopiles and transition pieces. Currently, fabrication is taking place at three different fabrication sites for the project to accommodate the capacity,” said the 42-year-old University of Aberdeen mechanical engineering graduate.

East Anglia THREE’s transition pieces will be up to 20 metres high, eight metres in diameter, and weigh 300 tonnes. The monopiles where the transition pieces sit are up to 10.6 metres in diameter.

“It becomes a bigger challenge as you get to bigger projects. But really we are doing the same thing but 95 times over. It is a marathon on big projects not a sprint and keeping everyone focused and motivated is key.

**Offshore wind attracted Rachel in 2004 as an undergraduate when, her final year group project was to design an offshore windfarm.**

“In those days, offshore wind was new. There were only a couple of offshore wind projects in the UK. It was exciting and I was intrigued but it wasn’t feasible then to go into offshore wind from university.”

She went into the oil and gas industry for five years but in 2009, Rachel had the chance to work on the development of the Greater Gabbard Offshore windfarm off Lowestoft, starting in the operations and maintenance team, before she used her experience in structural integrity to work on welding issues.

A spell working on offshore innovation at Offshore Renewable Energy Catapult followed before Rachel took six months off in 2015 to volunteer for WindAid in South America, a charity working with communities in Peru with no access to electricity, where she installed small scale wind turbines.

When Rachel returned, she joined ScottishPower Renewables’ team on East Anglia ONE as innovation manager, using a mix of the skills from ORE Catapult and Greater Gabbard.

She was working as East Anglia ONE’s deputy engineering manager in 2019 when she had to take time off sick. Diagnosed with colon cancer, she needed several surgeries and 12 rounds of chemotherapy.

“SPR were so good during this time. They gave me part-time work and were flexible so I could work around my treatments.”

Returning to full time work in the middle of 2020, Rachel worked on Iberdrola’s first large-scale offshore windfarm in France, Saint Brieuc, as supply manager on the jacket foundations for 628MW turbines, until March 2023, when she joined the East Anglia THREE team.



## Q&A

**Q Is this the career you planned when you were a student?**

**A** “I’m not someone who has big visions, I always enjoyed what I was doing, and I try to take each day as it comes and take opportunities that come along.

“I did very detailed engineering analysis as a graduate but knew quite quickly I wanted to move into project management. I enjoy knowing how things work and I really like bringing together different people who work in different ways into a team.”

**Q What gets you out of bed in the morning?**

**A** “My team. They are what drives me - working with them, supporting them, and seeing them develop and benefit from my support and leadership. Then getting to site and seeing the things being built.”

**Q How can more females be attracted to engineering careers?**

**A** “Women are underrepresented. We need to normalise engineering careers. My boyfriend’s daughter is five and said she wanted to be a builder. We need to encourage these choices from childhood.”

**Q Why do you enjoy being a mentor?**

**A** “I like working with graduates and influencing their career choices and giving that encouragement. I love the enthusiasm of youth – it’s contagious.”



# Working with the Community

Norfolk and Suffolk charities receive donations

## East Anglia THREE public information days

The construction and operation of East Anglia THREE were discussed at a series of public information days in early spring at village halls near the onshore construction corridor.

The cables will run through pre-installed ducts along the same cable route as East Anglia ONE, which runs from Bawdsey to Bramford.

Edward Rees, Community Liaison Officer for East Anglia THREE, said the drop-in sessions gave people the opportunity to ask questions about the expected activity during the construction of the converter station west of Bramford and the installation of the onshore high voltage (HV) cables.

“The events gave the local communities near our works an opportunity to meet the delivery teams and learn more about our upcoming construction activities.

“It was also a great opportunity for our team to understand more about local issues and concerns ahead of the next phase of works.”

The team visited Bramford, Loraine Victory Hall, Burstall Village Hall, Bawdsey Village Hall, Westerfield Village Hall, Waldringfield Village Hall, Playford Village and Martlesham Community Hall.



Children have benefited from art and craft materials. Credit: Nelson's Journey.

## Three charities have each received a donation of £5,000 to help with the vital work they carry out within Norfolk and Suffolk.

Clinks Care Farm in Toft Monks, Waveney Domestic Violence and Abuse Forum in Lowestoft and Nelson's Journey, based in Norwich, have each received the money after being chosen in consultation with our employee networks and colleagues across the UK, including the East Anglia ONE team.

The gifts are part of a £150,000 donation to 30 charities across five groups in the UK that ScottishPower's social projects team has identified as needing the most support.

Nelson's Journey supports children and young people in Norfolk who have experienced the death of a significant person and is using its gift to continue its one-to-one support work, which includes memory activities, art and craft materials, therapeutic workbooks and weekends away.

The donation to Waveney Domestic Violence and Abuse Forum in Suffolk and south Norfolk is supporting its efforts to help keep survivors safe and build a pathway to recovery, while Clinks Care Farm will offer people who are not entitled to social care funding a chance to take up a placement on the farm.

ScottishPower Renewables is supporting two more local organisations – TOPCATS, a charity, based in Pakefield, helping young people and adults with additional needs develop their social independency and life skills, and The Excelsior Trust in Lowestoft, which works to restore and maintain Excelsior, one of the UK's most historic vessels.

## East Anglia THREE to help power Amazon

**Green electricity generated by East Anglia THREE will help to power Amazon in the UK.**

The agreement is Amazon's first offshore wind partnership with ScottishPower Renewables.

The company will purchase 159MW of the 1.4 GW of clean energy generated by East Anglia THREE when it becomes operational in 2026.

Charlie Jordan, CEO of ScottishPower Renewables said: "Net zero can only – and will only – become a reality if we all do our bit and companies like Amazon are leading that corporate drive towards a cleaner and greener future.

"Partnerships like this support the growth of more renewables, guarantee energy security, and help deliver price stability – all the while driving down emissions and delivering green jobs and investment."



**Sergio Hernández de Deza** - Director of Large Customers and Industrial Solutions at Iberdrola  
**Lindsay McQuade** - Director of Energy for EMEA at Amazon

Lindsay McQuade, Director of Energy at Amazon in EMEA, said: "Amazon is enabling renewable projects worldwide because transitioning to carbon-free energy sources is one of the most impactful ways to lower carbon emissions and help us reach our Climate Pledge commitment of net-zero carbon by 2040.

*"This is good for the planet and our customers. This agreement will mean more energy independence, more local jobs and lower emissions."*

## New contract means vessel to remain in Lowestoft

Crew transfer vessel Farra Orla that carries technicians from our Lowestoft operations and maintenance base to keep East Anglia ONE's 102 turbines working will continue to use Lowestoft harbour as 'home' after securing a new contract.

It means the two-year-old 27m vessel, that carries up to 24 passengers and has six crew, would have provided nearly five years' constant service to East Anglia ONE.

Martin Rice, CEO of Farra Marine, said: "This will be a fantastic collaboration. The team at SPR has been working hard to ensure the vessels it charts deliver the best value for the project and Farra Marine has consistently expanded its fleet over the past 18 months providing support on projects spanning the west coast of France to the Baltic Sea and North Sea."

## Ensuring a safe sea build

**A campaign to identify and clear any unexploded wartime bombs and mines lying undetected on the seabed off the Suffolk coast is under way.**

To prepare for a safe offshore build, we applied for two marine licences for essential ordnance (UXO) work to minimise risk to vessels or equipment.

Subsea experts Hughes Subsea will use sophisticated survey data to deploy remotely operated vehicles and specialist divers using the latest industry techniques to make any confirmed UXOs safe.

To protect marine mammals, our Marine Mammal Mitigation Protocol will outline techniques we will use and Marine Mammal Observers (MMOs) will support local wildlife monitoring.

Matt Wooltorton, Project Construction Manager for East Anglia THREE, said: "Safety is our number one concern as a responsible developer. Our priority is to minimise the potential impact of any unexploded ordnance on both the seabed and sealife around our windfarm while we deliver more clean energy to the grid."



# Building careers

## Supporting individuals to grow to their full potential



James Thomas - Balance of Plant Technician

Twelve years ago, James Thomas was working in a company's stores dreaming of a job on an offshore windfarm.

Today, he is one of the most experienced technicians on the East Anglia ONE team looking forward to developing his skills and progressing his career with ScottishPower Renewables (SPR).

"The company is very supportive of the personal and professional development of its people," he said.

"It has supported me in my training requests so I could develop from my mechanical background into electrical skills to build my competence and career. SPR works with individuals to help them grow to their full potential."

James, 31, joined SPR as an employee two years ago after working on East Anglia ONE for a contractor.

"My ambition was always to work directly for ScottishPower Renewables because of the huge opportunities it offers. It is building East Anglia THREE, its second windfarm off Suffolk, and two more windfarms in the East Anglia Hub, as well as its floating wind projects in Scotland and windfarms all over the world."

***"Offshore wind offers a career for life. I love the variety of work."***

James trained as an offshore turbine inspection technician with his first employer, working his way up from the stores after joining the business with a "totally unrelated" diploma in Information Technology (IT) and business.

Joining SPR has opened many new doors.

"With SPR's support, I trained as a balance of plant technician, which means I can be working on a turbine one day, the substation the next, with new challenges every day. Ultimately, I would like to do further training in high voltage skills to build my career further."

East Anglia ONE's Deputy Site Manager, Tommy Rudd said: "It is impressive how James made the transition from the stores to inspection, and to one of the most experienced balance of plant technicians on the team."

## A new green job at 52

**Terry Want has transferred more than 20 years of offshore experience to the wind sector from a career in oil and gas.**

His new green role as Windfarm Controller on East Anglia ONE is "probably the most safety critical position" within its operations and maintenance team based at Lowestoft.

It involves keeping surveillance over the entire £2.5bn windfarm - the size of 40,000 football pitches - ensuring everything runs safely and smoothly.

Terry, 52, had no hesitation in making the move. "The wind industry is the way forward. My skills are transferrable and the training I have had from SPR and the support of the team has been excellent."

There is no such thing as a "typical day" in the control room, Terry said.

"On a daily basis, we have overall responsibility for the health, safety and wellbeing of all the maintenance technicians working on the windfarm - and are the first point of contact in the event of an emergency situation.

"We also have overall daily responsibility for the safe control, monitoring and operation of East Anglia ONE."

Terry joins other former oil and gas professionals at East Anglia ONE, including Site Manager Steve Hodger, Deputy Site Manager Jonathan Howes and Windfarm Controller Troy Allen.

Steve welcomes applications from people of all backgrounds.



Terry Want - Windfarm Controller

***"Some people believe that having no experience in offshore wind will hold them back - but a lot of skills are transferrable, so take a look at the opportunities we have available."***

Check our Careers page at [www.scottishpower.com](http://www.scottishpower.com)

## Did you know? News from across ScottishPower Renewables

- ▶ ScottishPower Renewables' first ever offshore wind apprentice is now a full-time balance of plant technician. Jovita Beeston, 21, joined us for a three-year apprenticeship at EA ONE and studied at East Coast College in Lowestoft while gaining practical on-the-job experience while working on the 102-turbine windfarm. Jovita is one of the team responsible for keeping the turbines turning, ensuring the windfarm produces as much clean, green energy as it can.
- ▶ We have planted 1.3m trees across the UK, which has enabled us to improve biodiversity in certain areas, creating new habitats for birds, insects and many other animals.
- ▶ Certification company DNV has won a three-year contract to deliver inspection services on East Anglia THREE including site inspection, vendor inspection and quality management services across project and vendor locations globally. Ross Ovens, Managing Director - Offshore, for the East Anglia Hub, said: "We look forward to drawing on DNV's deep sector expertise and global footprint to assure the safety and sustainability of our project sites and supply chain as we continue at pace to bring this exciting project to life."

**Congratulations to our graduate engineer Joe Whitley for being named the Rising Star of 2023 by the East of England Energy Group (EEEGR) during its annual awards.**



Picture courtesy of EEEGR

## Joe scoops coveted award

Joe, who is Ipswich born and bred, has recently started a new position in Berlin where he will join the engineering management team on our German projects to conclude his graduate programme.

He achieved his degree at Norwich's University of East Anglia, joined us in September 2022 and is in his second year of study.

He said: "Winning at the EEEGR awards was a total surprise and I genuinely didn't see it coming. It meant a lot to receive recognition from my colleagues for the work I have been involved in.

"The win was extremely motivating for me and has provided a platform to keep building on throughout 2024. The night was great fun and I was able to celebrate with SPR's brilliant East Anglia team without whom it wouldn't have been possible."

During his graduate programme Joe has spent time working on Saint-Brieuc, our first French offshore windfarm off the coast of Brittany, as well as a stint at the East Anglia ONE Operations and Maintenance base in Lowestoft, where he's been gaining hands-on experience with the frontline daily tasks to keep the blades turning.

## Your stakeholder team



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If you would like to find out more about our work in East Anglia, please visit: [spreastanglia.co.uk](https://spreastanglia.co.uk)

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