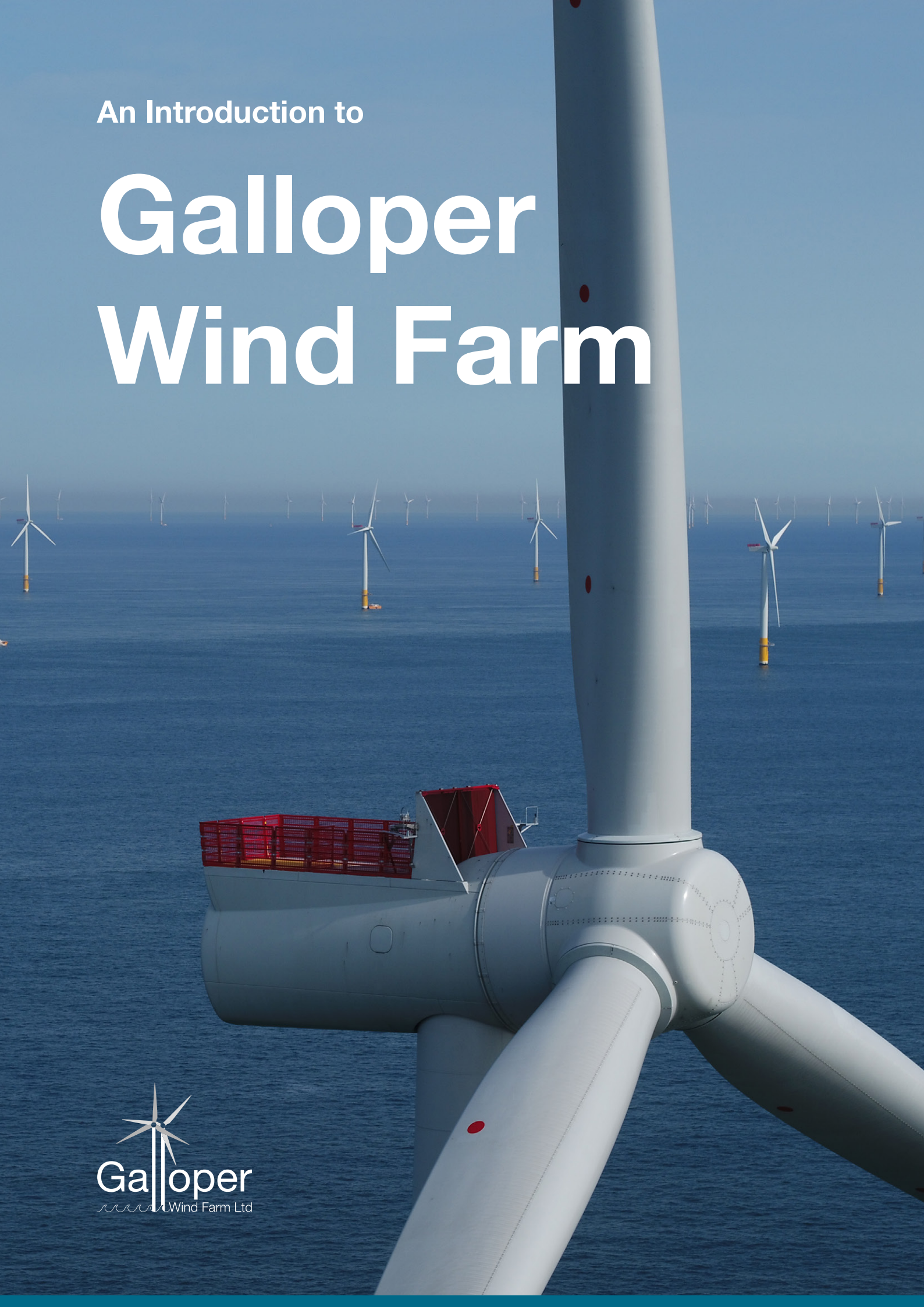
An Introduction to

Galloper Wind Farm



Galloper Wind Farm Ltd



Galloper Wind Farm is a 353MW project located 27km off the Suffolk coast at its closest point. Galloper's 56 turbines generate enough green energy to power more than 444,000 British homes and will continue to do so for its operational lifetime.

Construction for Galloper began in 2016 with power first generated by the turbines in November 2017. The site became fully operational in March 2018.

The electricity generated from our turbines is carried to a substation at Sizewell where it joins the UK's electrical grid. A team of 60 operate and maintain the wind farm from a state-of-the-art facility located in Harwich International Port in Essex.

Galloper Facts

180 METERS

The turbines are approximately the size of the Gherkin at 180 metres to the tip of the blade

75 METERS

Each blade measures 75 metres, greater than the wingspan of an Airbus A380

360 TONNES

The nacelle and blades combined weigh over 360 tonnes

£6 MILLION

The cost for one wind turbine is approximately £6 million

27-36 METERS

Turbines are installed within water depths of 27 to 36 metres

2.5 PITCHES

A blade sweep area is roughly 2.5 football pitches per rotation

90 MPS

Blade tip speed can reach 90 meters per second

3 MPS

Generation begins at wind speeds of 3 meters per second, up to 28 meters per second

1 DAY OF POWER

One rotation of the blades generates enough electricity to power a home for a day

45 KM

The length of cable to transport electricity from the wind farm to the onshore substation is 45km

140 KM

There is more than 140km of undersea cable linking the turbines and transferring the electricity to shore

3.5 TONNES

At maximum output our turbines displace 3.5 tonnes of CO_2 per day compared to a natural gas plant

150,000 HOURS

Aproximately 150,000 personnel hours are spent each year maintaining and operating the wind farm

50,000 MILES

Over 50,000 nautical miles are traveled each year by vessels to provide operations and maintenance support to turbines

90 MINUTES

Each vessel takes roughly 90 minutes to take technicians out to the wind farm

Meet the Team



I was always interested in engineering and the wind industry has a great future

George Webb

Wind Turbine technician Apprentice

I started my apprenticeship in September 2022. Before this I studied at the Harwich School and then on to Colchester Institute where I studied a mechanical and electrical engineering course as well as welding and fabrication.

I've always had an interest in these subjects and wanted to do something practical. Since college I've worked at both Clacton and Duxford airfields as a vintage aircraft engineer. So far in the apprenticeship we've been busy at college learning different types of engineering, both mechanical and electrical and even fabrication. It's a good mix between theory and practical learning and of course we've covered plenty of Health and Safety training. Some of the topics can be challenging but it's definitely rewarding.

I was always interested in engineering and the wind industry has a great future, it's a growing industry and it makes me proud to be part of. RWE is a great employer; they really look after their employees' safety and provide lots of support through my apprenticeship.

I'm going to continue working hard on my apprenticeship, I'm looking forward to the summer when I'll return to Galloper and get some more hands on experience on the turbines whilst college is out of session. In five years, I'll hope to have lots of experience as a Wind Turbine Technician and after ten years be a Senior Technician. I plan to stay at Galloper, it's home to me.



My technical training in aviation was incredibly valuable

Chris Farren

Production Manager

My early career involved a range of roles in the army, beginning as an apprentice aircraft technician to setting up a desert training facility in California. Over 6 years I felt that I had achieved a lot in the army and was ready for something new. I joined DONG (now Orsted) as a Wind Turbine Technician in 2013 at Gunfleet Sands and worked on the first installed 6MW turbines. I've since had a variety of roles within the offshore wind industry working on different projects before challenging myself with a new one. I took an opportunity in the Netherlands in March 2020 as Site Support Manager, preparing a new wind farm for operations and the initial warranty period between manufacturer and operator. This brought all my previous skills together and was a great experience to work and live abroad.

I came to Galloper as I wanted to be responsible for the operational team and performance of a wind farm that was local to me. RWE is one of the world's leading offshore wind companies, with a great reputation within the industry and I wanted to be a part of it. My technical training in aviation was incredibly valuable and I found I could transfer over a lot of these skills to offshore wind. Over the years I've really improved my analytical skills, understanding these complex machines and translating the information gathered into plans and campaigns. I currently lead the Balance of Plant technicians and High Voltage team, as well as analysis of performance data from the turbines and work alongside our service partner to reduce the amount of lost production at site.



What I enjoy most is getting offshore, joining the technicians in the wind farm

Nathan Evans

HSE (Health, Safety & Environment) Advisor

Before joining Galloper, I was in the construction industry managing a variety of projects from Tate Modern through to fast-track shop fit outs across the country. HSE has always been a keen interest of mine and was integral to my role, as I moved into site management I immersed myself into HSE, it was part and parcel of my day to day activities.

My first HSE advisor role was at Trinity House in 2017 where I really developed my skills in HSE. That position exposed me to many aspects and environments that you would not necessarily come across in one role, this included working upon vessels, manufacturing processes and unique environments such as lighthouses. With the vast range of environments I was exposed to, no two days were ever the same. It was a great environment to grow in and played a key role in my development.

Having joined Galloper in January 2022 my days and workloads can be really diverse. What I enjoy most is getting offshore, joining the technicians in the wind farm, building the relationship between us and understanding the challenges they face. This allows me to be proactive in understanding their challenges and maintain a positive channel of communication where we can work collaboratively to ensure we continuously improve.

My priority is to establish a safety conscious culture and make sure that everyone goes home safely at the end of the day. Our focus now will be on maintaining the ISO 45001 accreditation. This is a prestigious international standard for Health & Safety. This requires external audits to ensure we maintain and are achieving the high standard of the qualification, identifying any potential improvement opportunities.



My advice for anybody looking to come into the industry is to come with an open mind

Steve Whitfield

Control Room Operator

Moving to Galloper is the best career move I have ever made. I have gained so much knowledge of how the whole energy supply process works from the point that a turbine collects the wind in the North Sea, through to the systems involved to transfer the power to the national grid and in turn supply the homes and businesses with clean, sustainable electricity. My role is very varied, and no two days are ever the same. There are two roles in the Control Room; Marine Controller and Operational Controller. In my Marine Controller role, I am looking after the vessels and their crews whilst they transition to, from and around the wind farm. Ensuring everything is safe, with constant review of sea conditions and latest weather information. In my Operational Control role, a typical day involves the 'Transfer of Control' to the technicians offshore, so they can conduct their work in a safe manner, making sure all documentation is correct, supplying Site Management with latest information.

From beginning my career in production control / management across a range of industries my advice for anybody looking to come into the industry is to come in with an open mind. There are so many opportunities on offer from office roles through to technicians, and with so many new projects on the horizon, never a better time to get involved.

My next career goal is to gain further knowledge in all aspects of Control Room activity and develop and even wider insight into this wonderful industry I am involved with and how we are all helping to change the shape of energy production in the UK and the world in general.

Working in Offshore Wind

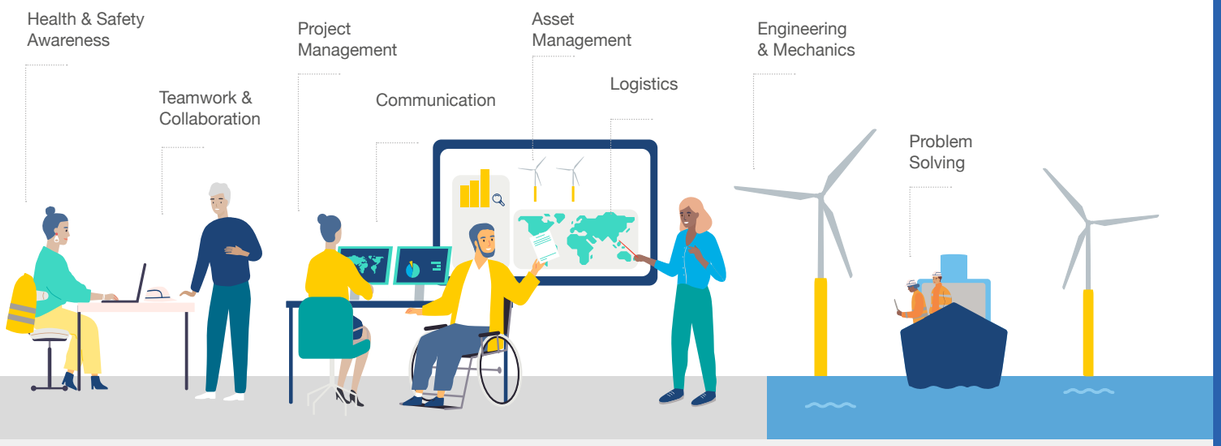
There are plenty of opportunities in offshore wind. Take a look at just some of the operational roles needed at Galloper and the skillsets required for those roles.

Jobs in offshore operations

- ☑ Wind Turbine Technician
- ☑ Control Room Operator
- ☑ Warehouse & Facilities
- ☑ HSE Advisor
- ☑ Mechanical / Electrical Engineer
- ☑ Office Administrator
- ☑ Maintenance Coordinator
- ☑ Finance Manager
- ☑ Consents & Licencing

And many more

The type of skills required:

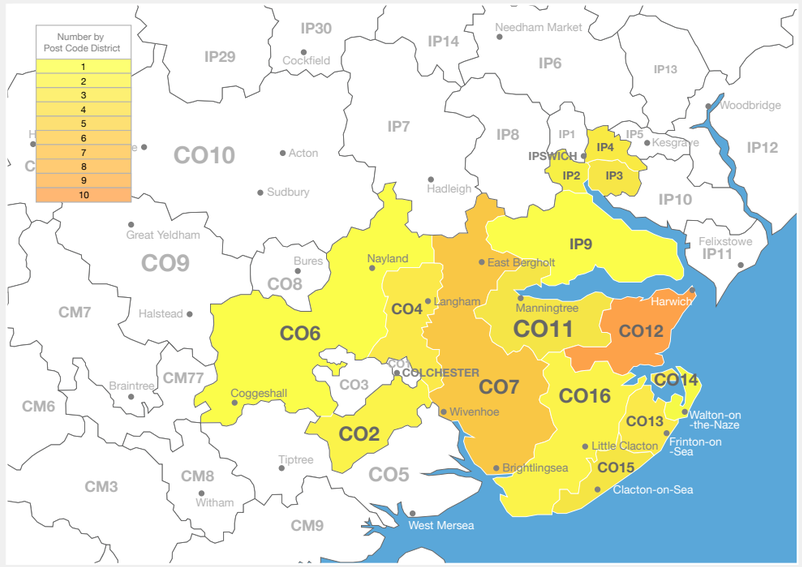


A Local Employer

There are 60 people working at the Galloper Operations and Maintenance Base in full time roles.

Our ambition is to employ local and retain skills within the local area. Out of the 60 roles, 42 personnel live locally.

Number of people by Post Code District



Supporting the Community

Galloper Wind Farm is an active participant in the local community and supports local causes and initiatives through a variety of funds and activity in the region to the benefit of over 20,000 people. Alongside a wide range of skills and employment initiatives, Galloper has established three funds for communities in Essex and Suffolk.

Galloper Community Fund

Administered on Galloper's behalf by the Essex Community Foundation (ECF), the fund awarded over £54,000 between 2017 and 2022. In 2023 Galloper agreed to extend this to donate £14,000 a year up to 2028 to provide more support to local causes. Andy Payne Warpole, Head of Programmes at ECF has said

"We have been pleased to work with Galloper, helping them support and connect with local charities and voluntary groups in Harwich and Tendring. As a local business Galloper is very proactive in helping their local community in different ways. Their fund is providing vital financial support which is needed more than ever as charities continue to support their beneficiaries."

Galloper Wind Farm Fund

Initiated in 2016 the fund provides £11,000 per year to support the appearance, setting, conservation, amenity, accessibility and enjoyment of the Suffolk Coast and Heaths Area of Outstanding Natural Beauty.

Galloper Sponsorship Fund

Galloper supports a number of local initiatives through mutually-beneficial sponsorships focussed in and around the Tendring area where our operations and maintenance facility is based. We consider this area as our community and we aim to be good neighbours to the people that live and work here.







Skills and Employment

Galloper is proud to support the next generation of renewable experts. We work closely with local authorities, non-profit organisations and educational facilities to share our skills and experiences.

The Galloper team has a number of STEM ambassadors ready to work with schools, attend careers fairs and give presentations as well as join workshops focusing on topics such as interview techniques or CV building. Galloper also supports schools on other projects which give students new skills or experiences. In 2024 Galloper launched the 'Introduction to Offshore Wind Careers Programme' with Harwich and Dovercourt High School. The programme gives students hands-on experience with industry experts and an in-depth understanding of the offshore wind sector, how to start their careers and build on the important skills they'll need in the workplace.

"This has been a really good example of how careers advice and guidance can be inspirational, I think students really have appreciated this opportunity."
Mr Garnham - Senior Assistant Head.

Looking After the Environment







As a renewable energy provider, Galloper committed to ensuring the local environment is cared for.

The Alde and Ore Estuary Trust are dedicated to protecting their unique environment and Galloper funds projects such as the commissioning of a specialist ranger to monitor the population of Red Bellied Gulls. Galloper also supports the Essex Wildlife Trust, and their wildlife protection schemes across the region. As well as other projects including The Big Green Internet, which aims to plant 150 miles of wildlife corridors, creating a network of interconnected woodlands running from the North Sea to Epping Forest.

The Galloper team make efforts in their everyday operations to protect the environment where possible. The Operations and Maintenance base uses electric vehicles and has solar panels installed on the roof to power the facility. All operations are made according to marine consents and licences so as not to disturb populations of animals such as Harbour Porpoise and Red Throated Divers.

During construction and operation of the wind farm and the O&M base we worked closely with an ecology consultancy and Natural England to minimise any impacts and reinstate any disturbed areas.

Galloper has been awarded the ISO 14001:2015 certificate in recognition of improved environmental performance. This is an internationally recognised Environment Management System that highlights continuous improvement and reduced environmental impact. The team has also been awarded the Renewables UK Global Offshore Wind Environment and Sustainability award. This comes in recognition of many initiatives we've taken at site to reduce our carbon emissions and care for our environment.

Find Out More

To find out more about Galloper Wind Farm get in touch, visit our website or follow us on social media:

www.galloperwindfarm.com

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Galloper Offshore Wind Farm is owned by RWE Renewables (25%), Siemens' financing arm, Siemens Financial Services (25%), Equitix (25%), ESB (12.5%) and Spring Infrastructure Capital – a fund established by Sumitomo Corporation, Sumitomo Mitsui Banking Corporation and Development Bank of Japan (12.5%). RWE Renewables has led the development and construction of Galloper Offshore Wind Farm and its ongoing operation on behalf of the project partners.

