

Introductions!

- > Sean Chenery, General Manager
- Galloper Offshore Wind Farm 6 years
- > Time Served Apprentice
- ➤ Held many different roles in the Power industry, Nuclear, Gas & Wind
- RWE, one of the world's leading energy companies
- Developed, built and operate the wind farm on behalf of project partners



RWE offshore wind assets In operation

2.4 GW² in operation



¹ Total installed capacity | ² Owned renewables capacity as of March 2021. Pro rata capacity.

In operation

- Galloper UK, 352.8 MW¹ (88 MW²)
- **Greater Gabbard** UK, 504 MW1 (252 MW2)
- **Gwynt y Môr** UK, 576 MW ¹ (288 MW²)
- Humber UK, 219 MW¹ (112 MW²)
- **London Array** UK, 629 MW¹ (189 MW²)
- Rampion UK, 400 MW¹ (120 MW²)
- **Rhyl Flats** UK, 90 MW¹ (45 MW²)
- **Robin Rigg** UK. 174 MW^{1,2}
- **Scroby Sands** UK. 60 MW^{1,2}

- **Thornton Bank** BE, 325 MW1 (87 MW2)
- **Alpha Ventus** DE, 60 MW¹ (16 MW²)
- **Amrumbank West** DE. 302 MW^{1,2}
- Arkona DE, 385 MW1 (193 MW2)
- **Nordsee One** DE, 332 MW1 (45 MW2)
- **Nordsee Ost** DE. 295 MW^{1,2}
- Rødsand 2 DK, 207 MW¹ (41 MW²)

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Kårehamn SE, 48 MW^{1,2}

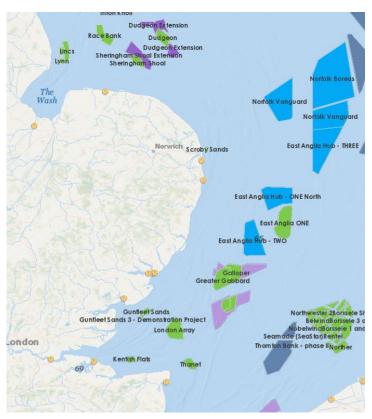
RWE

RWE offshore wind projects In development & under construction



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The South North Sea area



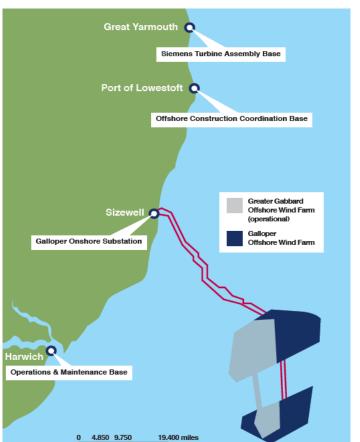
East Anglia is a hot spot for Offshore Wind with a large number of wind farms in operation, under construction or in development stages

Requirements for construction workers, vessel operations, port facilities, long term operations personnel,

Galloper location and bases

- ➤ Galloper field is 27km of the coast of Suffolk
- > Turbine assembly base was in Great Yarmouth
- Offshore Construction Coordination Base in Lowestoft
- ➤ Galloper Onshore Substation in Sizewell
- Operations & Maintenance Base in Harwich

Jobs and investment benefits shared all along the East coast



Local extension projects

North Falls

- 20 kilometres off the UK coast in the southern North Sea, covering150 km²
- Current capacity and grid offer is for 504MW
- North Falls is being developed by a joint venture company owned equally 50/50 by SSE Renewables and RWE.

Five Estuaries

- 37km closest distance to shore off the coast of Suffolk and located adjacent to the Galloper Wind Farm and with a seabed area of 149km2
- Project partners are: a Macquarie-led consortium, RWE, Siemens Financial Services, ESB and Sumitomo Corporation. RWE is leading the development of the project.

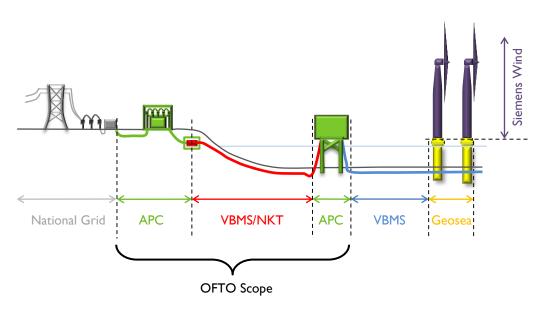
Both projects are preparing for preliminary survey work as well as assessing project constraints and engaging with stakeholders

The development consent order application and supporting environmental data is currently scheduled for submission in 2023



Galloper Wind Farm Technology Summary

The Galloper Wind Farm infrastructure and main contractors responsible for installing that infrastructure included the following:





Operations & Maintenance Base

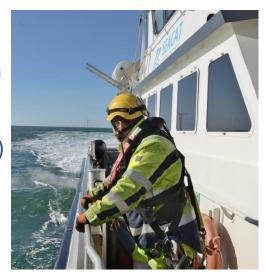
- 23 year life-span to support Galloper Wind Farm
- > Employ many local people
- Work closely to support local initiatives and work with young people, schools and organisations
- ➤ We now have 5 apprentices working with the team (year 1, 2 & 4)



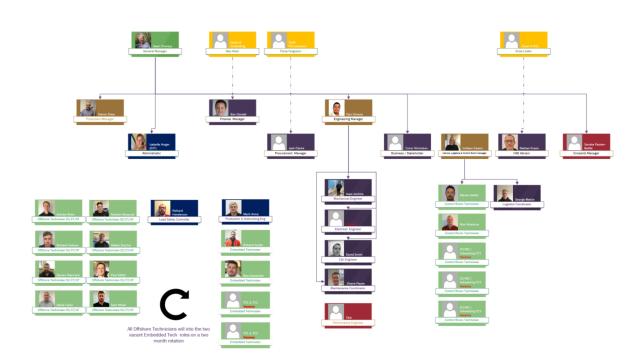


Technician careers in offshore wind

- Offshore Technicians and Apprentices will have studied to GCSE Math, English, Science, Physics, Chemistry and Electronics.
- ➤ Technicians will further study to BTEC, C&G NVQ Level 2 and C&G NVQ Level 3 Diploma in Wind Turbine Maintenance .
- Engineers will further study A level (Maths, Science) and degree level in Electrics, Mechanics, Environmental and Surveying.
- ➤ Other roles include Planners (IT Excel, MS Projects) Procurement, Administrators (Business studies) and Logistics and H&S (IOSH, NEBOSH) and there's PR, HR and administrative roles.
- Recruit from other industries and the military with internal career development paths to management.



The Galloper Operational team



30 Full time local roles for RWE (site operator) supported by 30 full time roles with SGRE (service and maintenance provider)

Local teams are supported by teams of specialists from both RWE and SGRE

The site team's previous experience

We have built the local team by enhancing their transferable skills from other industries with specific offshore wind knowledge. We have team members from the following sectors;

- Military Army, Air Force, Royal Navy
- Thermal power stations
- Domestic services Electrical Installations
- Port Facilities
- Manufacturing and Fabrication
- **Building Facilities and Construction**
- Steel works
- Industrial Maintenance / Engineering
- **Apprenticeships**







Roles required within Offshore Operations

Performance Management – Technical & Business

Heath, Safety and Environmental specialists

Procurement / Contract Management

Warehousing

Vessels and Logistics

Planning & Project Management

Stakeholder Management

Financial Accounting

Engineering – Reactive, Compliance, Innovation and Improvements

Offshore Technician

Consents experts







Roles required within UK Offshore Wind

TODAYS WORKFORCE 31,082

Total UK Offshore Wind Workforce



11,491 Indirect Jobs

(X3)

TOMORROWS WORKFORCE

By 2030, UK Offshore Wind is forecast to employ

97,465

jobs. 61,361 direct jobs and 36,104 indirect jobs.

In March 2019 the Sector Deal set a target of 30GW of Offshore Wind by 2030

The 30GW target was then stretched to 40GW

The UK Government further increased this target to 50GW in 2022 effectively quadrupling the planned capacity in the next 8 years

Community Benefits



Litter picking along Dovercourt Seafront followed by Fish & Chips at Ha'penny Pier



Supporters of the Parkeston Residents and Welfare Park Association Christm Party









Rolf CofE Primary school were able to restore their pond with the donations from the Galloper Community Fund

Galloper Wind Farm has supported many local good causes annually through its work with the Essex Community Foundation Fund

Supporting Education



STEM Ambassadors attending Career Fair, highlighting the opportunities and roles within renewable energy and offshore wind

Galloper supports Harwich & Dovercourt High School in their community art project. This ongoing art project is for the Galloper O&M base reception area will also be exhibited at the Harwich Arts & Heritage Centre in Dovercourt





Octavius is now in full view at the O&M base, painted by a local young artist for the Octopus Ahoy trail to celebrate the Mayflower 400



