



CASE STUDY

Fully integrated logistics services – offshore wind

Peterson Energy Logistics, through its client GE Vernova, is providing a full suite of logistics services – covering areas including marine, aviation, and road transportation; warehousing and storage; personnel; and customs formalities for the Sofia Offshore Converter Platform at the Doggerbank.



TRUST WELL PLACED



PROJECT DETAILS

Start	September 2024
End	Ongoing
Location	Southern North Sea

This is a complex, multi-tiered logistics contract. Peterson, operating from multiple strategically located bases, provides trusted, innovative, efficient services, acting as a one-stop-shop for GE Vernova along with its consortium partner Seatrium and subcontractors, for their range of logistics requirements.



APPROACH

The project is the first offshore wind farm in UK waters to utilise shared cargo runs in the Southern North Sea (SNS) Pool which will enhance operational efficiency, reduce costs, and drive sustainability improvements. This model has already been applied successfully to the Hollandse Kust North, South and West projects offshore of the Netherlands.

Peterson is the operational manager of the SNS Pool which has been active for more than 25 years and has recently welcomed renewables clients. Use of the pool maximises efficiency by combining volumes, distance, and capacity; maximises safety by setting minimum quality standards and standardisation of safety rules and regulations; and minimises exposure to the environment by reducing sailing and flying distances. The SNS Pool of marine, air and supply base operations services around 130 locations in the Southern North Sea offshore of the Netherlands, UK, and Germany and Denmark.

Peterson is chartering helicopters, augmenting its aviation offering which is operating several helicopter flights per week from Den Helder and Humberside which gives the client the flexibility of a continental Europe or UK option for its employees and contractors. Peterson is also managing crew changes for Van Oord for the wind turbine installation vessels at the site, as well as providing facilities management services at the onshore



converter station for the Dogger Bank C and Sofia wind farms, based at Lazenby.

Peterson is managing vital elements including warehousing, stevedoring, transport, local procurement, customs, tank and offshore containers, waste management, emergency response & rescue vessels, as well as the provision of personnel including onshore and offshore material coordinators and offshore riggers, crane drivers, and HSEQ employees.

CASE STUDY: FULLY INTEGRATED LOGISTICS - OFFSHORE WIND

PROJECTED EFFICIENCIES

By utilising shared cargo runs, in this case through the SNS Pool, the client is projected to make significant savings in terms of cost and CO₂.

Using a shared cargo run from Den Helder results in savings of up to €50,000 per voyage. Being part of a pool also increases flexibility and decreases reliance on the spot market. In terms of CO₂ savings, allocated fuel use is more than halved by utilising shared cargo runs.

Acting as a focal point for the full scope of logistics needs, the client benefits from managing a single relationship and trusting that their requirements – from warehousing to aviation to marine – are being managed in an interconnected, efficient, and effective way.

WHY PETERSON

The RWE Sofia Offshore Wind Farm is located 195km off the UK east coast and will have the capacity to produce 1400MW. It is part of the Dogger Bank offshore wind project which will be the world's largest wind farm.

The multi-location approach of Den Helder and Lowestoft, along with the airport in Humberside, allows for maximum flexibility and access to the site. A new facility has recently opened at the Port of Lowestoft which allows Peterson to service larger platform supply vessels and walk-to-work vessels.

The project utilises Peterson's Lighthouse suite of technology which offers real-time insight and analysis for operational teams to ensure efficiency, accountability, and best-in-class service. The data informs business critical decision making, as well as industry benchmarking.

Peterson can draw upon decades of experience in delivering complex logistics scopes in the energy industry, with a market-leading range of services offered by expert internal teams in order to secure industry-critical renewables projects like this.

