



Transport & Installation

As part of design of offshore structures, LICEngineering A/S provides analysis, design, procedures and plans for the transport and installation phases, taking into account the specific fabrication yard logistic and the location of the offshore site. The transport and installation studies are based on fully dynamic analyses and gives the contractor detailed knowledge of allowable seastates for the operations, hazard and risks and possible mitigation measures.

Seafastening for Walney offshore windfarm

LIC designed seafastening cradles for sea transport of large Transition Pieces (TP's) – part of the monopile foundations.

The cradle were designed for transport below deck and on top of deck on the transport vessel. The cradle were designed for transport below deck and on top of deck on the transport vessel. The cradles were designed for transverse strapping of the TP's and large bolted steel clamps secured the TP's against against movement in the axial direction.

Transport & Installation References

- 2017: FE analysis on existing design for transport frames for Rootend Sections
- 2016: Conceptual design of Tower Seafastenings for Rampion Windfarm
- 2015: Design of interface steel structures & components
- 2014: Reference structural analysis of Goldhofer steel farm adapter for road transport of wind turbine towers
- 2013: Grillage and Seafastening design for Northwind Windfarm

For more information:

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Transition Pieces for Walney Windfarm



TP's loaded onto vessel using LIC designed cradles



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