



Press Information

A milestone for the French offshore wind industry: Jumbo-SAL-Alliance finalised Saint-Nazaire Offshore Wind Farm Project

- » 80 monopiles
- » 80 transition pieces
- » 20 journeys
- » one vessel

With several thousand kilometres of coastline along the North Sea, the English Channel, the Atlantic Ocean and the Mediterranean Sea, the French market is one of the world's most important growth markets for energy production from offshore wind. SAL has provided logistics support to specialised offshore contractor DEME Offshore for years now. Therefore, the Jumbo-SAL-Alliance assigned SAL's MV Svenja to handle the complex transport of the heavy foundations for the construction of one of France's first four offshore wind farms: the Saint-Nazaire Offshore Wind Farm.

Following a previously concluded SAL project, Hornsea 2, which also included the transportation of monopiles, MV Svenja was immediately mobilised for her assignment at the port of Eemshaven, the Netherlands: the Saint-Nazaire Offshore Wind Farm foundation transport. The Saint-Nazaire Wind Farm is an important milestone for the French energy transition - a key step on the country's path to a carbon-neutral future.

"We have quite an impressive track record of projects carried out together with DEME Offshore," explained Morten Hinrichs, Project Manager at SAL Heavy Lift. "This is one of the reasons that DEME hired us to participate in this project. In addition, one main criterion was the ability to transport four monopiles (MPs) and four transition pieces (TPs) per shipment. After a detailed feasibility study, we found that our Type 183 vessel Svenja could handle the job. An additional benefit: The vessel's speed also provided DEME the greatest possible flexibility," he continued.

In total, the project scope involved transporting 80 monopiles (weighing up to 979 tons and measuring up to 62 metres) and 80 transition pieces (weighing up to 496 Mt). MV Svenja made 20 journeys from Rotterdam, the Netherlands to La Rochelle, France.

Matthieu Moerman, Head of Marine Projects at SAL Heavy Lift, emphasised: *"Finding the ideal transportation solution was very exciting. The set limits in terms of weight and dimensions of the foundations were complex and proved challenging in the planning phase. In the end,*

we provided a detailed and comprehensive transportation solution and documentation which fully covered our client's high demands."

The team designed a detailed lifting process with a step-by-step analysis of the complete lifting path and a tailor-made bumper and guide system for the relatively tall transition pieces measuring over 30 metres in height. All transition pieces were to be loaded without using MV Svenja's stability pontoon.

"The combined transport of monopiles and transition pieces, especially the transport of transition pieces on the engine deck, made it necessary to re-evaluate the sea fastening requirements for the cargo. We carried out sea fastening calculations based on the set weather limits and the transport in open-hatch condition. In the end, we used our well-known and already established sea fastening grillages for this type of transport to secure the monopiles and transition pieces. We modified them in line with the new dimensions of the foundation," explained Matthias Meyer, Senior Project Engineer at SAL Engineering.

MV Svenja started the first of her 20 journeys in February 2021 and completed the project in October 2021. At SAL, we are very proud to have set foot in the offshore wind business over the past few years - and are committed to working towards a cleaner, greener future.

"What do we like about SAL? They have a solid team set-up at SAL, a proven transport solution, and are extremely agile when working with us to develop solutions for our needs."
- Pieter de Jonghe, T & I Manager, DEME Offshore FR

Facts and figures:

Vessel: SAL's MV Svenja (Type 183)
Cargo: Monopiles (MPs) & Transition Pieces (TPs)
Weight: TPs: max. weight abt. 496 mt
MPs: max. weight abt. 979 mt
Dimensions: TPs: more than 30 m height
MPs: up to 62 m height
POL: Rotterdam, The Netherlands
POD: La Rochelle, France

Specifics:

- » Transport of 80 monopiles and 80 transition pieces in total
- » 20 journeys
- » Design of a detailed lifting process with a step-by-step analysis of the complete lifting path and a tailor-made bumper and guide system for the tall transition pieces
- » Combined transport of four monopiles and four transition pieces per shipment

About Saint-Nazaire Marine Wind Farm:

The Saint-Nazaire Marine Wind Farm is one of the first four offshore wind farms in France. It consists of 80 offshore wind turbines with a 6 MW capacity, resulting in a total power output of 480 MW. The wind turbines will be located more than 12 kilometres off the Loire-Atlantique coast, over a total area of 78 square kilometres. The site was selected for its strong, steady winds as well as shallow water depth. It also lacked constraints such as regulatory easements and maritime safety, and was located away from major commercial shipping routes. Once operational in 2022, the Saint-Nazaire Wind Farm will supply approximately 20% of the domestic electricity consumption of the Loire-Atlantique region. The construction phase of the project generated more than 1,000 jobs in the Pays de la Loire region. Another 100 new jobs are anticipated for operations and maintenance activities at the port of La Turballe, France.

About Jumbo-SAL-Alliance: www.jumbo-sal-alliance.com

Jumbo-SAL-Alliance stands for sea logistics of all types of heavy lift, breakbulk and project cargo in any market. Side by side, two of the most prominent and technically advanced heavy lift carriers combine their strengths and resources to deliver the best engineered heavy transport solutions to customers worldwide.

Two united teams and two specialised fleets operate as one shared fleet. Customers receive a carefree service, experienced crew and simplified commercial interaction. Jumbo-SAL-Alliance is in full control of all its assets, i.e. 30 dedicated project cargo vessels. With three DP2 vessels, two range-extending fly-jibs and eleven ice-class vessels Jumbo-SAL-Alliance can reach almost any location and master the most demanding scopes.

Jumbo-SAL-Alliance provides a highly flexible shipping solution and a broad range of services which exceeds any other project cargo shipping service amenable in the market space. With lifting capacities up to 3,000 t SWL, Jumbo-SAL-Alliance manages the largest fleet of vessels in the 800+ t lifting segment. This provides a commercial bandwidth that stretches from rapidly positioning vessels for smaller or larger single shipments, onto large volume contracts to full scope solutions for complex projects - all under one roof.

A cohesive group of experienced people - commercial, engineering, project management, QHSE - works closely together with a combined network of agents and offices worldwide to provide clients, whether they are EPCs, brokers, forwarders, OEMs, energy companies or others, with a partnering mentality, expert advice and safely delivered goods. Jumbo-SAL-Alliance: stronger, together.

*To learn more please visit: www.jumbo-sal-alliance.com
View the introduction movie here: <https://youtu.be/cNYvvnvSpo2Q>*