

# PROJECT SHEET

**NORTHEAST PROGRAM (NEP)**  
**SOUTH FORK WIND (SFW)**  
 WTG FOUNDATION TRANSPORT & INSTALLATION

## BOSKALIS

Boskalis is a leading global marine contractor and services provider. With safety as our core value, we offer a wide variety of specialist activities to the oil & gas and renewables sectors. These activities include marine installation and decommissioning, seabed intervention, marine transport and services, subsea services and marine survey. In addition, Boskalis is a global dredging contractor, provides towage and terminal services across the globe and delivers marine salvage solutions.

By understanding what drives our clients we are able to provide the solutions that enable them to meet their specific business goals. For this reason we are constantly looking for new ways to broaden and optimize our offering and are committed to expanding our proposition, supported by our financial strength. With our committed professionals in engineering, project management and operations, 500 specialized vessels and an unprecedented breadth of activities in 90 countries across six continents we help our clients push boundaries and create new horizons.

## INTRODUCTION

- Southfork Wind (SFW) is one of the three offshore wind farms of the North East Program (NEP). Boskalis Offshore Contracting LLC is contracted for the transport and installation of all three projects.
- SFW is located 35 miles east of Montauk Point, United States and the capacity is 132 MW
- To install the XXL monopiles, Bokalift 2 was equipped with Motion Compensated Gripper Frame (MCGF) and an Upending Hinge for the NEP.

## SCOPE

The project included the transportation and installation of 12 XXL Monopiles (MP) and the accompanying secondary steel, one MP for the substation including modular support frame, J-tubes and boat landing and the Offshore Substation(OSS).

## FEATURES

Client	Ørsted / Eversource
Location	East Coast United States
Period	2023
Contractor	Boskalis Offshore Contracting LLC
Vessel/installation	Bokalift 2, Trustee, Target, Triumph, Bear, Sovereign, Nicobar



**A** MP installation on SFW  
**B** Transportation of MP's





C

### OFFSHORE EXECUTION

- Bokalift 2 started the installation campaign in June 2023, she was responsible for the MP installation, secondary steel installation and OSS installation.
- In 2023, with our versatile fleet, Boskalis introduced additional vessels to the SFW project, Bokalift 2 was assisted by heavy transport vessels Trustee, Target, Triumph for MP transportation, anchor handling tugs Sovereign and Nicobar for position keeping of the transport vessels during offshore MP transfer and anchor handling tug Bear for Double Bubble Screen deployment.
- US flagged PSV's were chartered to transport the secondary steel components from port of Providence to SFW offshore site.
- The completion works on the secondary steel items were performed with US labour based on and working from a US flagged Construction Support Vessel equipped with a walk-to-work system (Ampelmann).
- The OSS was built at Kiewit Texas and transported on a barge via the Gulf of Mexico and up to the East Coast to New York for installation by Bokalift 2.
- Boskalis subsidiary Gardline was responsible for the Noise Monitoring and Mammal Observation.

### FACT & FIGURES

- Bokalift 2 was the main installation vessel to complete the MP and Substation installation campaign. An efficient installation campaign was achieved, through offshore feedering of MP's, Secondary steel and Offshore Substation.
- The MCPG was designed and build to install the MP's while the installation vessel Bokalift 2 kept position on DP. The MCPG was used for the first time on South Fork.
- For installation of secondary steel an Anode Cage Installation Tool and a Platforms Installation Tool were designed and fabricated, specifically for the NEP.
- The three heavy transport vessels transported 12 WTG foundations from Steelwind Germany to the SFW offshore site. Bokalift 2 transported the OSS foundation from Rotterdam to the SFW offshore site.
- For the offshore transfer of the foundations to Bokalift 2, the HMT vessels were kept in position by Sovereign and Nicobar.
- Bokalift 2 used the nearfield noise mitigation, deployed underneath the MCPG and a far field double big bubble screen deployed from the vessel Bear.
- US flagged PSV's where use to feeder the secondary steel items offshore
- US flagged CSV with walk-to-work system was used for completion works on the foundations.
- US tug and barge supplied the 1500 ton offshore substation.
- 2 US flagged vessels deployed the noise measuring buoys and the Passive Acoustic Measurement system for detection of protected species.
- 2 US flagged vessels with Protected Species Observers were deployed for visual detection of protected species around the installation vessel before and during piling of monopiles.

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