

Dutch Company Delivers Piling Template for Offshore Windfarm



Dutch-based Subsea technology company Seatools secured a contract from an undisclosed EPC player for the design and delivery of a piling template hydraulic and instrumentation system. The system will be used for pile installation during the construction of an offshore wind farm in Taiwan.

Survey Equipment

Pile installation will take place in the second quarter of 2020. During this phase, the pre-piling template will accurately position and guide the pin piles. Meanwhile, the integrated instrumentation package includes a wide range of survey equipment to monitor every step

of the installation process in real-time. The package also enables post-pile installation surveys and ensures that narrowly set installation tolerances are met.

The contract comprises the complete mechanical, electric, hydraulic, and software design of the pile template's hydraulic and instrumentation system. Equipment design will substantially draw on recently completed piling equipment projects. Under extreme shock loads, the packages contributed to uninterrupted offshore piling operations.

Performance in the Field

During the project, Seatools will continue expanding its subsea piling equipment toolbox. As an example of a toolbox, expansion serves an innovative, automated system that will perform absolute and relative post pile elevation measurements to deliver exceptionally accurate metrological data within extremely short time frames. Due to shock loads experienced during previous offshore piling operations, the system will also feature a tested system design that ensures equipment performance in the field.

(Image courtesy [Seatools](#))