

NjordGuard™

Integrated protection system

NjordGuard™ is an innovative protection system designed and developed to protect offshore windfarm power cables in both monopile and J-tube applications.

Benefits:

- Diverless installation and removal
- Integrated system, with minimal assembly
- Smooth outer surface designed to reduce drag and snagging risk
- Utilizes API 17L certified Uraduct® material with class leading impact and abrasion resistance
- One design for monopile and J-tube installation
- Easily extendable and suitable for any diameter

Diverless Installation and Removal

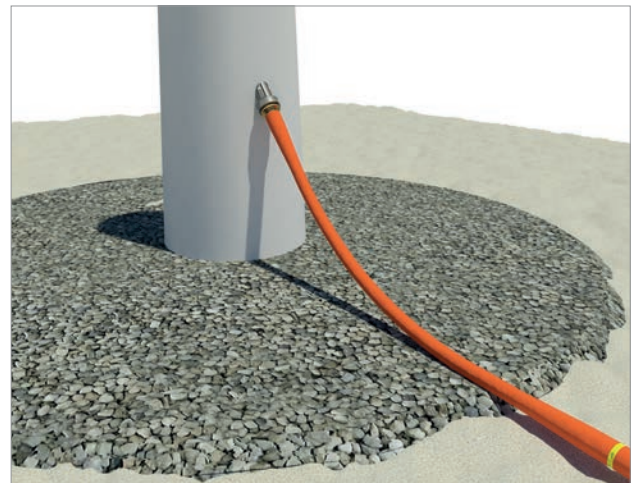
In order to improve safety and reduce installation complexity, NjordGuard™ can be installed, removed, and reused without Remote Operating Vehicles (ROVs) or diver intervention.

Monopile and J-Tube Capable

NjordGuard™ design permits both a monopile and J-tube installation for wind turbine generators and offshore substation platforms without procedural variation.

Integrated and Configured for Minimal Assembly Effort

NjordGuard™ requires only minimal assembly; the primary external dual stiffener is factory cast directly onto the connector. The internal stiffener can be supplied pre-assembled; only the external tail need be attached with Trelleborg's novel connection system (patent pending).



Schematic of NjordGuard™ installation in the monopile



Full-scale testing of Trelleborg's NjordGuard™ integrated protection system



Full-scale NjordGuard™ installation into a mock monopile, during testing

Approved Materials

NjordGuard™ uses API 17L certified Uraduct® material for both internal and external components. Uraduct® has an established reputation as the industry standard for cable and flowline protection.

Contact Us

Trelleborg Offshore delivers innovative and reliable offshore solutions that maximize business performance to meet your needs. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.

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