



# PROJECT SHEET

## N-Sea is an integrated total subsea solutions provider in Survey, UXO ID & Disposal, IRM & Construction, and Subsea Cable Repair & Installation.

We deliver total solutions for subsea infrastructures and assets that meet the needs of our clients and the international oil & gas, and renewable industries, considering a safe environment.

We want to create a sustainable business and increase our profitability through solid project management and full client awareness.

To realise this ambition we develop our organisation to the level of best in class being fully synchronised with our ambition and strategy by contributing to the following key success factors constantly:

- Qualified and engaged people
- Long term client relationships
- Strategic partnerships
- Innovative solutions
- Safety and quality 100%
- Visible presence
- Full control over marine assets

### Environment, Health, Quality, Safety (EHQS)

Our EHQS policy aims to ensure alignment to the N-Sea mission, vision and strategy, where 'first time right' means ensuring that harm is not inflicted upon its employees, contractors, service providers, or the environment, N-Sea's assets, as well as members of the public affected by its operations, infrastructure and all operational activities within our scope of work.

N-Sea management and all employees are committed to create a physical, social and psychological safe working environment. We ensure the well-being and protection

of human life, environmental duty of care, protection of assets and customer satisfaction.

N-Sea has integrated safety, security, health, environment and quality requirements into all our activities so that decisions made ensure the consideration of economic development, environmental quality, and social equity to continually improve performance and achieve stakeholder requirements.

***"We genuinely care. We avoid harm to people and the environment while providing quality services to our customers."***

To achieve our mission statement, we have established 4 core values that guides all employees in building their personal roles and developing our organisational culture.

We are driven to perform in accordance with the industry best practices and meet the requirements of ISO 9001 (Quality Management), ISO 14001 (Environmental Management) and ISO 45001 (Occupational Health & Safety Management) for which we are certified.

A safe working environment is vitally important to N-Sea. The safety awareness and actions of our employees play a crucial role in ensuring occupational, social and psychological safety within our organisational culture. This is reflected by our Level 3 Safety Culture Ladder certification.

## Inter array cable replacement

Extraction, installation, termination and burial of an inter array cable

**Client** Windfarm Operator

**Location** UK, 8 km north of the Humber estuary

**Period** July 2024 - September 2024

**Assets** DSV Katabatic, CRV CURO, TSV NORA B

**Extra** 3 x CTVs, Dive Support Vessel, Trenching Support Vessel, CFE tool

### Project description

Due to an unplanned event the infield cable (water depth 15-20 mtr) between the offshore substation and an adjacent WTG was out of service and required replacement. The wind farm located of the East Yorkshire coast presented very challenging environmental conditions during the works.

### Scope of work

- Performing an inventory of the available information required for the detailed engineering.
- Development of method statements to support the offshore operations, as well as the set-up of the vessel during the mobilisation.
- Fulfilling the principle contractor and principle designer role throughout the project which included the management of the work site including safety from the HV-system.
- Mobilise a diving support vessel (DSV) to allow for the subsea disengagement of latched CPS system by hydraulic puller from the J-Tube and prepare the cable for extraction on both OSS and WTG location.

- Prepare both topsides for cable extraction and pull in and future termination.
- Loading replacement cable onto the Cable Repair Vessel 'CURO' (CRV) at client cable storage facility.
- Removal of rock bag stabilisation from the area around the CPS. Rock bags were relocated for future use.
- Extraction of cable and CPS from offshore substation along the cable route to the WTG whilst storing the recovered cable in the inner partition of the dual drive carousel.
- Installation of cable from WTG to OSS by means of surface lay method in preparation for post pay burial.
- Offloading of remaining spare and recovered cable at client storage facility.
- Perform post-lay burial with mechanical trenching spread in challenging seabed conditions.
- Termination of cable ends including pre- and post-termination testing.
- Execute a multibeam survey over the new cable route for as built package.

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**A** Cable lay vessel CURO **B** Quadrant deployment for second end pull-in **C** Launch mechanical trencher **D** Fist end cable recovery to deck **E** Cable loading with powered quadrant

**WE LISTEN  
THEN DELIVER**

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