



PROJECT SHEET

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

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.

Nearshore export cable repair in the Irish Sea campaign 2024

Cable replacement between Transition Joint Bay and KP1.0

Client	OFTO
Location	North Wales, Irish Sea
Period	May 2024 - August 2024
Assets	Two (2) jack-up barges including support vessels Supporting multicat for preparations and burial operations Onshore / Beach spread CTV and supporting RIB's Nearshore survey vessel
Extra	Cable onshore landing (float-in) Cable burial with CFE Two repair joints (one offshore and one onshore in TJB) Cable transportation from the Netherlands Principal contractor and principal designer for the works Full HV management including taking over the system

Project description

Our client suffered a fault in one of their four subsea cables connecting the offshore substation to the onshore substation. As a result, the export cable was taken out of service, resulting in a significant reduction in transmission capacity.

N-Sea were awarded the contract to carry out a turn key fast response cable repair, in what was a very challenging and exposed nearshore location, with water depths ranging from 0m to 2m LAT.

Extensive fault finding and engineering resulted in the installation of a spare cable section between the Transition Joint Bay (TJB) onshore and KP1.0 offshore.

N-Sea, as the principal contractor and designer under CDM, were required to deliver all necessary engineering, analysis, and preparations for both onshore and offshore operations before going on to execute the following works.

Nearshore export cable repair in the Irish Sea campaign 2024

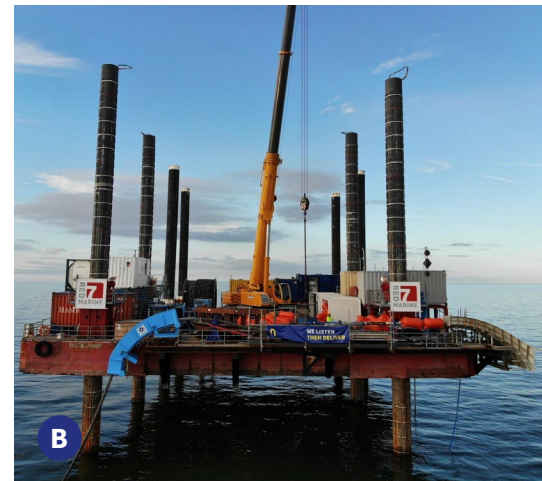
Cable replacement between Transition Joint Bay and KP1.0

Key operations included:

- Pre Surveys including MBES, SSS, SBP, magnetometer, LIDAR and onshore CPT's delivering a viable cable route including UXO ALARP certificate.
- Spare cable loading and transportation from N-Sea's storage facility in the Netherlands to the UK for mobilisation onto the installation spread.
- Mobilising two jack-up barges (JUB) equipped with cable lay equipment, crane, and accommodation modules, as well as the required jointing equipment including supporting tugs to position equipment.
- Mobilise an additional supporting multi-cat vessel and mooring spread to execute the cable de-burial, fault finding, subsea cutting, and the removal of the faulty cable section, followed by burial of the new cable with CFE after the repair was completed.
- Onshore and beach operations involved setting up a full site to execute a cable landing (float-in), two onshore cable crossings, removal of the old cable, burial of the new cable and thermal grouting of the Horizontal Directional Drilling (HDD). The TJB was also modified to accommodate a new onshore joint.
- Offshore universal joint installation (on-board the JUB) and deployment.
- Onshore joint installation within the TJB and full reinstatement of TJB

The scope was delivered safely and successfully allowing the client to re-energise and resume the transportation of green energy.

N-Sea's solution was focused on delivering a repair in a safe and timely manner, for the right price, while mitigating risks to existing and to be installed cable asset(s). Our focus was on delivering a right first time repair.



A Two jack-up barges on site executing a float-in **B** Jack-up barges on site **C** Subsea Joint Overboarding

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D Support vessel operating on site **E** Onshore cable crossings **F** Cable transportation from the Netherlands with a coaster

**WE LISTEN
THEN DELIVER**

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