

N-Sea is an integrated subsea service provider. We offer a wide range of Survey and IMR services to civil contracting communities and the energy sector, focusing on the international oil and gas and renewable industry.

We meet our clients' needs. How? By providing effective and cost-efficient solutions for subsea assets and infrastructure, considering a safe environment.

N-Sea delivers subsea: from installation to decommissioning, from inspection through to maintenance management, we help assess the state of subsea assets and provide the necessary service throughout their entire lifecycle.

**WE LISTEN  
THEN DELIVER**

## “EXECUTING OUR STRATEGY IN AN IRREVERSIBLE WAY”

We have the ambition to be the go-to total solutions provider. We want to create a sustainable business, be less vulnerable and increase our profitability.

To realize this ambition, we have a clear vision and strategy relating our solutions, markets, geographies, and organization. To achieve these goals, 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

### N-Sea

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## BOULDER AND DEBRIS RELOCATION WORKS

### PROJECT DESCRIPTION

After successful completion of the UXO inspection and identification campaign earlier in 2021, N-Sea was asked again to perform boulder clearance activities on the same windfarm.

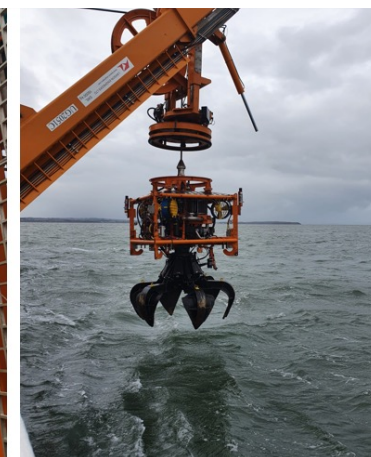
The vessel Noordhoek Pathfinder was mobilized with the grab system consisting of LARS, control cabin and workshop on the aft of the vessel. The grab is deployed by the LARS and can be accurately positioned above the boulder by using the thrusters.

The high technological system results in a fast boulder relocation process. Depending on the circumstances between 50 up to 130 boulders per 24 hrs have been relocated. The workability of the vessel is improved by using the active heave compensation on the winch which results in keeping the grab at a stable working depth.

Boulders were relocated +/- 21 meter from the planned export cable route and outside the future WTG locations. In total about 1.500 boulders have been relocated including a couple of debris items.

### FEATURES

<b>Client</b>	Undisclosed
<b>Location</b>	North Sea
<b>Period</b>	October – December 2021
<b>Assets</b>	OSV Noordhoek Pathfinder
<b>Extra</b>	UTROV grab system for boulder relocation





## SHEQ

Aligned SHEQ goals are fundamental to the way in which N-Sea operates. We encourage and train our people across our worksites, providing them with the support and assistance required to operate safely.

**“WE GENUINELY CARE. OUR TARGET IS NO HARM TO PERSONNEL AND NO IMPACT TO THE ENVIRONMENT”**

Our safety initiatives are a key driver to ensuring we achieve the highest safety standards:

- by applying visible leadership, workforce engagement and effective intervention
- with a minimum impact on production
- considering environmental factors
- without compromising quality

N-Sea’s objective is to provide an environment where all those involved in/or are affected by the activities we perform, are safe and empowered to stop the job if they feel it is unsafe.

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).

We strengthen the above through our distinctive four-pillar approach:

- SAFE** Safety excellence is at the heart of everything we do
- TOGETHER** We work and operate as one group, teamwork is our strength
- SOUND** We listen then deliver
- SWIFT** We understand the priorities of our Clients



**A** Deployment of ROV Grab **B** LARS including grab system **C** Boulder located on the seabed **D** Noordhoek Pathfinder with UTROV installed on the aft