



**SUBSEA  
PROJECTS:  
INTEGRAL  
TO YOUR  
SUCCESS**

**N-SEA PEOPLE  
OFFSHORE  
CAPABILITIES**

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**DELIVERING SUBSEA**  
PEOPLE / VESSELS / EQUIPMENT

# N-SEA: OFFSHORE CAPABILITIES



**N-Sea is a leading independent subsea contractor operating within the international oil & gas, cable and renewable energy industries. We operate worldwide, with a focus on northwest Europe and the Middle East.**

The capabilities of our offshore business unit includes diving and ROV services, subsea construction and installation, IRM (inspection, repair and maintenance), decommissioning and abandonment and remediation/ stabilisation services.

Our DP2 Diving/ROV Support vessel is the 'Noordhoek Pathfinder', which was purpose built for the group and delivered early 2010. As well as utilizing our own fleet we also have the ability to offer platform based solutions by utilizing third party or chartered vessels.

With over fifty years in the offshore business, we employ a skilled, motivated and valued workforce which strives to achieve complete customer satisfaction by providing professional, cost-effective and high-quality services where health, safety and environmental considerations are given top priority.

# N-SEA: OFFSHORE CAPABILITIES

## DIVING AND ROV INTERVENTIONS

N-Sea owns and operates a large range of diving and ROV systems. These in-house designed and built systems are in compliance with international standards, certifying authority standards and IMCA design, operating guidelines and includes:

- Vessel Based Diving Solutions
- Daughtercraft Diving
- Portable (zone2) diving systems including launch and recovery systems, hot water supply plants and equipment units
- Portable (zone2) observation (CLASS I & II) and work class ROV systems including launch and recovery systems and workshop units

System certification and maintenance is driven by a comprehensive electronic Planned Maintenance System (PMS) and performed in-house by highly qualified personnel.



## INSPECTION

Inspection of offshore jackets and (fixed and floating) structures including the related subsea infrastructure is one of the cornerstones of our business. We also undertake ongoing annual inspection campaigns for leading North Sea operators.

These operations are performed by divers and/or ROVs depending on the working depth and/or on the type of offshore / subsea structures. These services include:

- Video Inspection
- Marine Growth Measurement
- CP Readings
- MPI Readings
- Flooded Member Detection
- Leak Detection
- Weld Inspection
- UT Readings
- ACFM
- Scour Surveys

Our software suites for inspection processing ensures efficient development of detailed and factual inspection reports and include comprehensive recommendations where relevant.



## REPAIR AND MAINTENANCE

N-Sea's repair and maintenance services encompass both diver and remotely operated vehicle operations, planned and unplanned requirements and can be integrated within our inspection services.

Project management, basic design & engineering and procurement requirements are all covered from within the N-Sea group whereas specialist engineering requirements are handled by our federal engineering contractor.

## CONSTRUCTION AND INSTALLATION

Combining the available group disciplines (design & engineering, marine, diving, survey and ROV operations) N-Sea is the ideal partner to provide general and specialist installation and construction support services.

These services can be undertaken directly for a client or in support to the EPIC contractors on larger projects. Our construction and installation services include, but are not limited to:

- Positioning and installation of subsea structures
- ROV and diver installation and tie-in of pipelines, flowlines, cables and umbilical
- Subsea manifold installation and tie-ins

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## DECOMMISSIONING AND ABANDONMENT

**More than 15 years ago N-Sea successfully completed the development of an abandonment tool to remove subsea conductors.**

Our conductor abandonment tool has been used very successfully for various clients and removed 6 metre (sub-seabed) sections ranging from 20 to 36 inch. Today our decommissioning and abandonment services have expanded to complete decommissioning and abandonment of subsea facilities and subsea structures. These services include initial field inventory and inspections, cost estimates and project budgeting, engineering, preparation, removal, and disposal.

## REMEDICATION AND STABILISATION

**N-Sea's preventive and/ or corrective remediation and stabilization services can involve interventions around i.e. spudcans, pipelines, cables, umbilicals and platforms and include:**

- Mattress placement
- Rock dumping
- Free span corrections
- Grouting / grout-bagging



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PEOPLE / VESSELS / EQUIPMENT

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*The specifications are believed to be correct and subject to revision without prior notice.  
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