

Nordic Offshore Systems

Capability Statement — 2026

Independent Technical Advisory for Cable-Lay Vessels & Offshore Systems

Fredrikstad, Norway

Executive Summary

Cable-lay vessel projects routinely split equipment scope and offshore IT across separate contractors. That split creates interface risk that surfaces at commissioning — predictable, preventable, and expensive by the time it becomes visible.

Nordic Offshore Systems was established to close that gap. We are an independent technical consultancy covering both cable-lay equipment and offshore IT/network infrastructure from a single advisor — with no vendor allegiances and direct operational experience across the systems and campaigns that define this sector.

We provide technical assurance, vendor follow-up, and integrated advisory from concept and pre-FEED through campaign execution and maintenance. Clients get a single point of technical accountability at the interface where project risk is highest.

At a Glance

20+ major offshore projects	Vessel builds, CLS commissionings, and active campaigns
7 OEM platforms	MAATS, Huisman, NOV, MacGregor, Parkburn, Amclyde, Flextrack
16+ years offshore	Hands-on experience from shipyard through campaign execution
0 lost-time incidents	Across all tensioner commissioning and campaign operations

Company Background

Nordic Offshore Systems was founded on a straightforward observation: the interface between cable-lay equipment scope and offshore IT/network infrastructure is where vessel projects most often encounter delays, rework, and coordination failures — and it is precisely the boundary that fewest consultancies are equipped to manage.

We provide independent, integrated technical advisory across both disciplines, from pre-FEED through

campaign execution. We hold no commercial relationships with equipment suppliers. Recommendations are based on technical merit and fit-for-purpose assessment.

Services

1. Cable-Lay Equipment Consultancy

Independent technical assurance and vendor follow-up across all major cable-lay systems — ensuring OEM deliveries meet requirements and equipment performs as specified throughout the project lifecycle.

- Vendor follow-up and technical supervision — MAATS, Huisman, and NOV systems
 - Tensioner commissioning, performance verification, and operations support
 - Maintenance advisory and improvement planning for existing cable-lay equipment
 - Consultancy for new vessel builds and CLS conversions
 - Supplier coordination and documentation review from design through campaign
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2. Offshore IT & Network Infrastructure

Vessel IT and offshore systems designed for operational reliability under marine conditions — not adapted from generic enterprise standards. Networks, CCTV, fibre backbone, and survey interfaces engineered for active cable-lay operations.

- Server, CCTV, and fibre network design and commissioning
 - Network topology, redundancy, and uptime planning for cable-lay vessels
 - IT and survey interface coordination — closing the gap between disciplines
 - Cyber-secure infrastructure design and system hardening (aligned with IEC 62443 principles)
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3. Engineering & Documentation

Technical documentation built to classification requirements and project traceability standards — revision-controlled and management-ready from first issue to campaign close-out.

- Technical specifications and equipment lists for multi-vendor systems
 - SLDs, diagrams, and baseline documentation to DNV standards
 - Revision control and traceability systems
 - Project reporting and deliverables structured for client and management review
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4. Vessel Planning & Design Consultancy

Technical input during the design and conversion phase, where decisions are still reversible and the cost of change is lowest. We help vessel owners and project managers avoid scope assumptions that become costly constraints at FEED and detailed engineering.

- Pre-FEED and FEED consultancy for cable-lay vessel builds and conversions
 - Equipment scope definition and interface matrix development
 - CLS and IT system integration planning from concept phase
 - Commissioning strategy and pre-acceptance test planning
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Track Record

Nordic Offshore Systems draws on 16+ years of direct offshore experience. The following projects represent the operational basis for our current service capabilities.

NKT Victoria — Vessel Build & CLS Integration Site team engagement covering MAATS cable-lay system and carousel installation, with full IT and network architecture delivered for cable-lay operations. Equipment scope and vessel infrastructure were integrated from build through commissioning — not reconciled after delivery. *MAATS · Vessel IT · CLS Commissioning*

NKT Eleonora — Mission Equipment Follow-Up Technical assurance across mission equipment and full IT/network architecture integration during the operational phase — ensuring cable-lay systems and vessel infrastructure functioned as a coordinated whole throughout campaign. *Equipment Follow-Up · Network Architecture · Technical Assurance*

Hornsea 2 — Cable-Lay Procedure Optimisation Cable-lay procedure review and optimisation for one of the largest offshore wind campaigns at time of execution — improving operational efficiency and reducing procedural risk during active campaign. *Procedure Optimisation*

North Sea Campaigns — Tensioner Commissioning & Operations Tensioner commissioning and operational support across Smørbukk, Goliat, Troll, and Oseberg Delta 2. Zero lost-time incidents across all campaigns, with equipment performing within specified parameters throughout. *Smørbukk · Goliat · Troll · Oseberg Delta 2*

Equipment Expertise

We advise across all major cable-lay system suppliers with no commercial relationships that could influence recommendations. Assessments are based solely on technical merit and fit-for-purpose criteria.

OEM	Systems
MAATS Tech	Carousels, tensioners & winches
Huisman	150T VLS & Reel Drive Systems
NOV Remacut	Precision tensioners & lay systems
MacGregor	Subsea cranes & deck equipment
Parkburn	Cable handling & precision systems
Amclyde	Heavy lift cranes & offshore equipment
Flextrack (PKJ Machine Factory)	Cable tensioners

Contact & Next Steps

If you are planning a vessel build, conversion, or campaign and want an independent view of where your interface risk sits — we are available for a direct technical discussion.

We are most effective when engaged before scope decisions are locked. A focused scope discussion is typically the best starting point: an opportunity to identify where the gaps are and where early involvement has the most commercial value.

To request an Interface Risk Review or Technical Scope Discussion:

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