



HAVPORT AS Company Profile

About Us:

HAVPORT AS is a leading engineering firm specializing in naval architecture, offshore structural engineering, and subsea solutions for the maritime oil and gas and renewable energy industry. With a commitment to innovation, safety, and sustainability, HAVPORT AS delivers comprehensive engineering services to optimize operational efficiency and enhance asset longevity.

Our Services:

Naval and Structural Engineering

HAVPORT AS provides specialized engineering and consultancy services in compliance with maritime and offshore oil and gas industry standards. Our expertise ensures structural integrity, operational efficiency, and regulatory compliance for offshore assets. Our services include:

- Naval Architecture and Engineering
- Offshore Structural Engineering for fixed and floating installations
- Hydrostatic and Hydrodynamic Analysis for ships and floating structures
- Mooring System Engineering
- Dynamic Positioning Analysis
- Metocean Studies and Environmental Load Assessments
- Mooring and Offloading System Design and Analysis
- Hull and Mooring Life Extension Studies and Structural Integrity Assessments
- Fitness-for-Purpose Evaluations for Offshore Floating Structures
- Digital Twin Development for Structural Health Monitoring and Predictive Maintenance

Marine Operations

HAVPORT AS leverages state-of-the-art simulations, computational modeling, and engineering best practices to ensure efficient and safe marine operations in offshore environments. Our expertise includes:

- Development of operational methodologies and procedural guidelines to enhance offshore efficiency and safety.
- Feasibility studies incorporating hydrodynamic analysis, load assessments, and environmental condition modeling to optimize project execution.
- Engineering and design of transportation and seafastening systems for the secure and compliant transport of offshore assets.
- Ocean towage engineering, including two route assessments, environmental impact considerations, and risk mitigation strategies.
- Station-keeping analyses, including dynamic positioning (DP) evaluations and mooring system design for floating assets.
- Engineering assessment and simulation of heavy and subsea lifting operations, ensuring compliance with offshore handling and lifting standards.

Subsea Umbilicals, Risers, and Flowlines (SURF)

HAVPORT AS provides advanced engineering and consultancy services in the design, analysis, and installation of subsea umbilicals, risers, and flowlines (SURF) to ensure reliable and safe subsea operations. Our team specializes in SURF analysis and installation for both rigid and flexible subsea structures. Our capabilities include:

- Comprehensive riser extreme load analysis, including strength, stability, and integrity evaluations under harsh environmental conditions.
- Fatigue assessment for risers, pipelines, and subsea components to ensure long-term serviceability.
- Interference and clash analysis to mitigate risks associated with subsea layout configurations and operational interactions.
- Engineering and procedural development for subsea installation, ensuring compliance with industry standards and best practices.
- Life extension evaluation and integrity management strategies for rigid pipelines, ensuring continued operational efficiency and safety.

Renewable Energy Solutions

In support of the global transition to sustainable energy, HAVPORT AS provides specialized engineering and consultancy services for offshore renewable energy projects. Our expertise in offshore wind energy infrastructure includes:

- Development of technical assumptions and feasibility frameworks for offshore wind projects.

- Engineering determination of foundation design parameters, considering geotechnical, hydrodynamic, and structural integrity factors.
- Comprehensive feasibility assessments for fixed and floating substructure concepts.
- Environmental load analysis, evaluating metocean conditions, wave impacts, and wind loading to ensure structural resilience.
- Advanced design and analysis of fixed and floating offshore wind turbine substructures, ensuring compliance with international industry standards and regulatory requirements.

Client Representation & Owner Engineer Services

HAVPORT AS acts as a trusted advisor to clients, ensuring projects meet the highest standards of quality and efficiency. We provide:

- Project management and execution supervision
- Technical reviews and inspections
- Quality assurance and quality control (QA/QC)
- Risk analysis and mitigation planning
- Technical bid evaluation support

Why Choose HAVPORT AS?

- Proven expertise in maritime, offshore, and subsea engineering
- Commitment to safety, sustainability, and operational excellence
- Cutting-edge digital solutions for asset management
- A highly experienced team with a track record of delivering complex projects

At HAVPORT AS, we are dedicated to solving the most challenging engineering problems in the maritime oil and gas sector, ensuring optimal performance, safety, and sustainability in offshore operations.

For more information, visit our website or contact us today to discuss how we can support your projects.