






## Our field of expertise

# On-site & Interface engineering support

Saltwater provides seamless on-site and interface support, ensuring smooth project execution and efficient coordination.

## What sets us apart?

-  Senior engineers with the right expertise for complex projects
-  Flexible engineering support that scales with your project's needs
-  Driving real progress instead of just being present on-site
-  Ensuring smooth execution through seamless coordination and communication
-  Tailored engineering solutions designed to fit your unique project requirements



## Engineering shortages create risks, but expert coordination ensures progress, efficiency, and cost-effective project execution with the right expertise.

When faced with an unexpected surge in workload or urgent contracts, companies often struggle with limited in-house engineering capacity. The immediate solution may seem to be hiring temporary staff, but in specialized fields like naval engineering, experienced professionals are rarely available through such agencies. Without the right expertise in place, projects risk delays, inefficiencies, and increased costs.

### ADDED VALUE

Strong project coordination is essential for maintaining momentum and ensuring smooth transitions between engineering phases. Saltwater's engineers provide oversight, balancing technical and detail with practical execution to avoid unnecessary complexities while maintaining project integrity. By anticipating challenges and making informed decisions, they ensure that the engineering plans are both comprehensive and actionable. This structured approach prevents miscommunication, minimizes delays, and keeps projects aligned with shipyard and stakeholder expectations.

Saltwater Engineering offers a flexible and highly effective alternative to temporary staffing. Our Senior Engineers not only bring expertise but also take full responsibility for project coordination, ensuring smooth execution from start to finish. They integrate seamlessly into your team, driving measurable progress. Whether you need full-time support or periodic check-ins, our scalable engineering solutions adapt to your specific project needs, ensuring efficiency and reliability.

### TAILORED ENGINEERING SUPPORT

Every project has unique challenges, and a standardized approach is rarely effective. Saltwater Engineer-

ing provides customized solutions that evolve with the needs of your project, from initial involvement to gradual scaling down of support as milestones are achieved. Our engineers remain engaged as needed, offering continuity, expertise, and strategic input to optimize efficiency. By focusing on long-term success rather than quick fixes, we help clients build a strong foundation for future engineering projects while ensuring immediate results.



**Are you facing a challenge?**  
Get in touch with one of our consultants

The Fehmarnbelt Tunnel is a long-term project where Saltwater provides on-site support in Denmark. It's set to be the world's longest immersed tunnel at 18 kilometers, linking Rødby (DK) with Puttgarden (D), supporting rail and road transport. Scheduled for public use in 2029, it marks a major leap in connecting Europe's infrastructure.



**“We spend two weeks at a time at the on-site office. During our stay, we can visit the vessel and easily interact with the involved parties. We are proud to be a part of this major project!”**

The tunnel consists of 89 segments, manufactured in a dedicated factory on the quay. These segments are transported to a dry dock, floated to position, and submerged. For the construction assets, we designed boat landings for safe crew transfer. To ensure crew and MOB vessel safety, we implemented protection roofs, considering davit system compatibility. Additionally, fire control plans were updated to meet the latest safety regulations.

### **CUSTOM ENGINEERING DESIGNS**

Our expertise in structural engineering resulted in the development of various grillage solutions for different applications. This included the placement of containers in hard-to-reach locations, the integration of a Launch and Recovery System (LARS) on the deck, and the vertical storage of equipment for long-reach excavators. These solutions were essential for ensuring the efficient and safe use of the assets.

### **SAFE OPERATIONS ON LAND**

In addition to maritime solutions, we also contributed to safety improvements on land. Several facilities were implemented to support safe operations onshore:

- Winch test bank: a specially designed testing facility for the safe testing and spooling of winches on the quay.
- Gangway supports: robust and secure gangway supports ensuring a reliable transition between ship and quay.
- Additional onshore workshop: a well-equipped and sheltered workspace, allowing employees to work safely and comfortably in all weather conditions.

Visiting vessels firsthand adds value by allowing direct observation of engineering challenges and on-the-spot visualization of solutions. We take precise measurements and consider factors like piping and electrical systems, ensuring a thorough understanding. Working on-site also enhances communication with stakeholders, streamlining project execution and minimizing disruptions.

Partner up with Saltwater

# Everything Is Possible



Saltwater provides customized engineering solutions for the naval and offshore industry. Understanding your challenges enables us to deliver practical, quality products and clever solutions.

## Mission

Our mission at Saltwater is to engineer and develop maritime solutions that reduce the environmental impact and support a low carbon footprint. We are committed to provide innovative and efficient engineering services that meet the needs of our clients while guaranteeing safety and quality.

## Vision

At Saltwater, our vision is to be a leading force in the maritime engineering industry, striving for positive change through socially responsible practices. We envision a future where our engineering solutions help to create a healthier and more sustainable world. We are committed to ship conversions and new vessel designs, encouraging a culture of young innovators and collaborating with our partners and clients to achieve our shared goals.

### **Saltwater Engineering B.V.**

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