

SEA TECHNOLOGY

STFT

Sea Tech Floating Terminal

"A floating infrastructure revolution of sea trade future-proofing the Blue Ocean Economy"



600 m

LENGTH

400 m

BEAM

25+ m

DEPTH

22.9

ha

DECK AREA

5-6M

TEU

THROUGHPUT

Sea Technology (Sea Tech) has developed a comprehensive floating container transshipment port and energy node, featuring full automation. The company's senior naval architect, Mr. Bengt Lundqvist, who also invented the Roll-On/Roll-Off (RORO) technique at Wallenius, is the innovator. 8 years of dedicated research has gone into the project by several important key stakeholders led by the Sea Tech team. Sea Tech's disruptive design addresses inefficiencies in container transshipment, alleviates congestion at capacity-constrained urban ports, and enables Ultra-Large Container Vessels to bypass shallow water port issues, all through a sustainable lens.

THE PROBLEM

Ultra-Large Container Vessels (ULCVs) offer ~30% cost savings over conventional ships and are set to dominate routes like Asia-Europe. Yet only a handful of European ports can handle them.

Major hubs: Antwerp, Rotterdam, Hamburg—cannot expand due to geographic limits, urban density, carbon taxes, dredging rules, and environmental constraints. Insufficient transshipment: Congestion and delays reduce the economic and environmental benefits of larger vessels. Environmental pressure: Ports are under increasing scrutiny related to emissions, energy use, dredging, noise, and water quality

THE SOLUTION

The STFT is a 600x400x35m fully automated floating container port for transshipment from ULCVs to feeder vessels. Flexible, mobile, and deployable where demand exists. It also functions as a green energy node, integrating industrial and environmental objectives—built on 60+ years of naval architecture expertise validated at TRL 5-6.

Offshore positioning, eliminating the need for port expansion and reducing congestion.

ULCV compatibility, enabling large vessels to operate without draft or access limitations

Modular and scalable design, adaptable to regional trade flows and demand Integrated energy node, supporting offshore renewable energy and green fuel infrastructure

Founded

2023 (mother co. 1972)

Stage

Pre-Seed · Angel Investor

R&D Investment

8 years + 3M SEK grants

Technology

TRL 5-6 · DNV AiP

2015

Project initiated by naval architect Bengt Lundqvist

Jan 2023

Sting Incubator + Trafikverket / RISE / SSPA grant funding

2024-Now

Sting Deeptech accelerator · DNV AiP · International keynotes & partnerships



Sea Tech team receiving DNV Approval in Principle (AiP)
Blykalla and Sea Tech Partnership (STFTe)

COMPETITIVE ADVANTAGE

Ready-to-implement at TRL 5–6, validated by detailed technical drawings and DNV AiP. Unlike specialized naval architecture firms or internal R&D units, we offer a deployable solution with proven interest from Venice Port Authority, Vietnam, and Uruguay.

Business model: Licensed innovation product · Low CapEx risk.

MARKET OPPORTUNITY

Global container shipping handles goods worth over €12 trillion annually, yet port infrastructure is increasingly constrained. As Ultra-Large Container Vessels (ULCVs) scale, inefficiencies in transshipment and port congestion create major economic and environmental costs. The Sea Tech Floating Terminal (STFT) enables ~20% efficiency gains in transshipment, reducing costs, emissions, and bottlenecks while unlocking additional offshore capacity.

Target customers:

- Port operators (APM Terminals, MSC)
- Major shipping lines
- Port authorities & governmental bodies
- Green energy & oil sector players

ACHIEVEMENTS TO DATE

- 3 MSEK soft funding · Market & Feasibility Study (RISE)
- DNV Approval in Principle received
- Sting DeepTech 24-month accelerator
- International keynotes & strategic partnerships (Meyer and Blykalla)
- Q1 2027: major maritime forum presentations planned

SEEKING €2M — 18-MONTH RUNWAY

- Finalize feasibility and environmental assessments
- Advance technical and commercial validation
- Strengthen IP and team
- Expand strategic partnerships and market presence
- Target: global positioning and industry adoption from 2027.

Ideal investors: maritime & port logistics · global shipping networks · sustainability-driven innovation



MOBILITET

Hennes flytande hamnar sväljer jättefartygen

Hon vill göra om hela den globala sjöfarten och hamnstrukturen. Therese Lundquists flytande hamnterminaler är inte bara miljösmygga och effektiva utan också anpassade för de allt större fraktfartygen som färre och färre hamnar kan ta emot.

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Per Olof Lindsten

Dagens industri

MANAGEMENT

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