




# A Sea of Technology



Since inception in 2000, SeaTech has built a strong reputation for reliable, highly efficient and environmentally friendly vessel designs, with more than 406 unique designs operating globally. We take pride in building a strong bond with clients, from inception, to delivery, and beyond, by listening to their operational requirements to ensure best-customised solutions

As a centre for marine and offshore excellence, SeaTech covers the complete set of design, engineering and consulting disciplines in-house. Clients receive high quality services at cost-effective rates due to our multi-talented team using the latest modern technology.

Embracing Singapore's "Can Do" spirit, we reach out globally but deliver locally, through regional offices in Singapore, China, India, Myanmar, Thailand, Japan, Vietnam, Malaysia, Korea and Australia.

Every design has our assurance for optimum performance.

#### Mission

To Assure Optimum Performance with Design, Innovation & Technology.

#### Vision

A Sea of Technology

# Design

It all starts with understanding your requirements. SeaTech provides customised design solutions for a wide range of vessel needs. Our designs are easy to build, operate, and maintain.

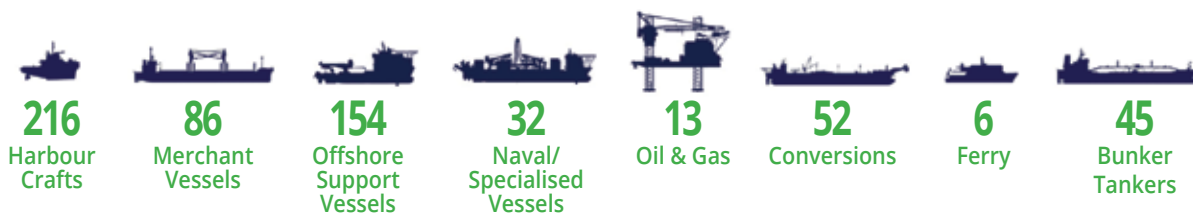


Today, over 406 of SeaTech's designs sail the seas worldwide. These range from harbour crafts, merchant vessels, offshore vessels, to highly specialised vessels.

Our in-house Design Services include:

- Baseline Conceptual Design & Feasibility Studies
- General Arrangement (GA) & Specification
- Optimised Hull Form Design
- Hull Design & Naval Architecture
- Outfitting
- Interior Design
- Mechanical / Piping / Machinery
- Electrical Instrumentation & Automation

## Number of Vessels Delivered



# Engineering

In addition to complete design packages, SeaTech also provides engineering services required for a specific area of interest to our clients. With state-of-the-art tools, we run high-end analysis and quality checks on vessels, ensuring safety and efficiency. Our mission is Assurance of Optimum Performance with *Design, Innovation & Technology*.



Our engineering analysis and detailed calculations provide clients with clear facts and insights for them to make further decisions. We always ensure that our clients are accurately and professionally advised and our engineering services are offered for both vessels designed and not designed by SeaTech.

Our Engineering services include:

- Model Tests & CFD
- Stability Analysis / Inclining Experiments
- Load Out Calculations
- Structural Analysis (FEM)
- Hydrodynamic Analysis / Motion Analysis
- Propeller Design & Powering
- Mooring Analysis
- Block Turning & Lifting Analysis
- Lifecycle Engineering
- FEED Engineering
- Pipe Surge Analysis
- FMEA
- Operation Manuals

more than  
**70**  
engineers

over  
**13**  
nationalities

across  
**11**  
countries

# Consultancy

With a portfolio of over 312 unique vessel designs and decades of experience among our principal senior consultancy staff, SeaTech is well equipped to provide technical consultancy services for all offshore and marine related areas.



We provide our clients fully integrated solutions with innovative new concepts, ideas, and engineering based on best engineering practices.

Our Consultancy Services include the following:

- Shipyard Evaluations
- Assistance in Tenders, Enquiries &
- Estimates
- Constructability Studies
- Funding Advice
- Fuel Monitoring Systems
- Condition Monitoring Systems
- Lifecycle Management
- Third Party Investigations
- Shipyard Layout
- Energy Audits
- Transportation Studies

646

vessels built

380

unique designs

33

types of vessel designs

# Harbour & Port Crafts



Serving the shipping industry at ports and harbours, Harbour Crafts are essential vessels and known as the work horses of the sea. Our team of experienced naval architects are well-versed in the requirements of the various Harbour Craft types. This includes designs for tugs, dredgers, pilot boats, ferries, barges, among others.



# Merchant Vessels



SeaTech offers designs for merchant vessels ranging from oil tankers, chemical tankers, bunkering tankers, bulk carriers, cement carriers, and other cargo vessels. We focus on hull form optimisation for fuel efficiency, ease of operations and optimum cost of the vessel per deadweight tonne.





# Offshore Vessels



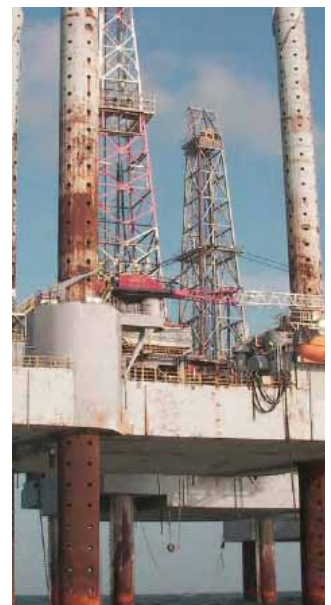
SeaTech offers every type of Offshore Vessel design required by the industry. Our designs are customised to meet your specific operational requirements and ensures optimum cost of construction and maintenance, keeping in mind industry standards for reliability and safety.

The designs include conventional vessels such as AHTS, PSV, OSV, and Specialised Offshore Vessels such as DSV, Seismic, IMR, Construction, Accommodation, Pipe Lay and Cable Lay Vessels.





# Specialised Vessels



Our engineers welcome opportunities to create novel designs for business ideas and various scenarios. One of our accomplishments is the pioneer development of a unique 227m long Specialised Vessel designed for seabed mining and deep waters. With our experience, latest technology, and penchant for fresh ideas, SeaTech will continue to design more unique Specialised Vessels.

Our Specialised Vessels range from small transportable dredgers that “walks onto water”, floating docks, and seabed mining vessels, among others.

# Oil & Gas



With SeaTech's experience, expertise and technologically advanced suite of software in hydrodynamics, mooring, stability and structural analysis, it is a natural progression for SeaTech to go from providing services for the marine industry to the offshore oil and gas industry.

# Conversion Projects



We offer FEED and engineering services for FPSO and FSO conversions.

Through analysis, we can assess the fatigue life of these structures and suggest required remedial actions for conversion from an existing tanker or for life extension. We have a varied experience for conversions including Jumboising, Barges to Pipelays etc.

# Global Network

SeaTech is proud to be located globally, yet delivers locally. We have extended our reach across Asia to be closer to you.

- Singapore
- China
- India
- Myanmar
- Thailand
- Japan
- Vietnam
- Malaysia
- South Korea
- Australia
- Germany



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