

# DELIVERING INNOVATIVE & SUSTAINABLE SOLUTIONS GLOBALLY

Sembcorp Marine provides innovative engineering solutions to the global offshore, marine and energy industries with a keen focus on Renewable Energy, Gas Value Chain, Ocean Living, Process and Low-emission Advanced Drilling Rigs.

## Our Sustainable Product Solutions



Wind Farm  
Installation Vessels



Near-shore Solutions for  
Cleaner and Greener Energy



LNG Vessels



LNG-Battery  
Hybrid Tugs



Battery-powered/  
Hydrogen Fuel Cell  
Powered Vessels



Electrification-ready  
Midwater and Harsh  
Environment Solutions

## Sembcorp Marine Tuas Boulevard Yard - a modern, smart and sustainable yard (6.6km of quay length and 206ha land area when fully-developed)



- 19 berths and 7 dry docks, including two with 360m x 89m and 412m x 66m dimensions to cater to large-scale projects
- Gantry cranes with 30,000-tonne lifting capacity and 100m hook height enable mega-block integration and help fulfil business objectives of safety, quality, time and cost
- Steel Fabrication Workshop with solar-panelled roof provides cleaner and greener energy for up to 30% of maximum production capacity





## Sembcorp Marine Ltd

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Sembcorp Marine Ltd provides innovative engineering solutions to the global offshore, marine and energy industries. Headquartered in Singapore, the Group has close to 60 years of track record in the design and construction of rigs, floaters, offshore platforms and specialised vessels, as well as in the repair, upgrading and conversion of different ship types.

The Group's diversified portfolio of products and services cover Renewables, Process, Gas, Ocean Living and Advanced Drilling Rigs, with a growing focus on Sustainable Solutions that advance the global energy transition and maritime decarbonisation. Sembcorp Marine's customers include major energy companies, owners of floating production units, shipping companies and cruise and ferry operators. The customers are supported by four commercial units: **Rigs & Floaters, Repairs & Upgrades, Offshore Platforms, and Specialised Shipbuilding.**

### OUR KEY CAPABILITIES

#### Rigs & Floaters

Product Areas:

- Turnkey design, engineering, procurement, construction and commissioning of offshore newbuildings and conversions
- FSOs, FPSOs, FDPs, FPU and MOPUs
- Gas terminals, FLNGs, FSRUs and Gravitfloat solutions
- Jack-ups, semi-submersibles, drillships
- SSP solutions, TLPs and SPARs
- Wind Turbine Installation Vessels

#### Contact

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Tel: (65) 6265 1766 Fax: (65) 6971 7320

For enquiries, please email to [rigsandfloaters@sembmarine.com](mailto:rigsandfloaters@sembmarine.com)

#### Repairs & Upgrades

Product Areas:

- Dry docking, repair, refurbishment, retrofitting life-extension, upgrading and conversion of vessels, marine and offshore structures
- Gas carriers (LNG and LPG)
- Cruise ships, ferries and yachts
- Navy vessels
- Tankers, container carriers and cargo ships
- Floating production vessels, FPSO, FSO, FSRU, FSU, MODUS
- Specialised projects, including jumboisation and dejumboisation

#### Contact

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Tel: (65) 6752 2222 Fax: (65) 6758 1025

For enquiries, please email to [repairsandupgrades@sembmarine.com](mailto:repairsandupgrades@sembmarine.com)

#### Offshore Platforms

Product Areas:

- Turnkey engineering, procurement, construction, transportation, installation, offshore hook-up, commissioning and brownfield solutions
- Offshore Oil and Gas Fixed Platforms
  - Integrated Production Facilities
  - Utility and Living Quarters
  - Compression and Power Generation
  - Wellhead and Riser
  - Jackets

- Topsides Modules
- Onshore LNG and Plant Modules
- Offshore Windfarm Platforms
  - Substation Platforms
  - Wind Turbine Foundations

#### Contact

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For enquiries, please email to [offshoreplatforms@sembmarine.com](mailto:offshoreplatforms@sembmarine.com)

#### Specialised Shipbuilding

Product Areas:

- Gas value chain vessels (LNG)
- Ferry, Ropax and cruise vessels
- Renewable energy support vessels
- Offshore support vessels (heavy-lift, pipe-lay and accommodation)
- Naval support and security vessels
- Research and scientific survey vessels

#### Contact

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For enquiries, please email to [specialisedshipbuilding@sembmarine.com](mailto:specialisedshipbuilding@sembmarine.com)

#### OUR YARDS

Sembcorp Marine's three shipyards in Singapore (see below) are part of a strategic network of facilities spanning Indonesia, the United Kingdom, Norway and Brazil.

##### Sembcorp Marine Tuas Boulevard Yard

Located at Tuas View Extension in the west of Singapore, the Sembcorp Marine Tuas Boulevard Yard is a state-of-the-art new yard facility designed to maximise operational synergy, production efficiency and critical mass with optimised docking and berthing facilities, an improved dock and quay ratio, a centralised work-efficient layout and integrated facilities. It is also capable of serving a wide range of vessels and rigs, including VLCCs, new generations of mega containerhips, LNG carriers and passenger ships.

Docking Facilities	Type	Size	Capacity
YST D1	Drydock	350m x 66m x (-8.5m)	350,000 DWT
YST D2	Drydock	360m x 89m x (-8.5m) (wide enough for rigs)	500,000 DWT
YST D3	Drydock	412m x 66m x (-11m) (largest and deepest in Asia)	350,000 DWT
YST D4	Drydock	350m x 66m x (-8.5m)	350,000 DWT
YST D5	Drydock	255m x 52m x (-8.0m)	150,000 DWT
YST D6	Drydock	255m x 52m x (-8.0m)	150,000 DWT
YST D7	Drydock	255m x 110m x (-12.0m)	Offshore drydocking

##### Sembcorp Marine Admiralty Yard

Encompassing nearly 87 hectares, the Sembcorp Marine Admiralty Yard is an extensive, versatile facility recognised for its track record in areas such as LNG vessels, passenger ships, as well as offshore rigs and platforms. Naturally deep and sheltered berths with drafts between 11m and 15m are enhanced with a comprehensive array of services, such as dust-controlled cryogenic workshops and afloat and anchorage repairs. The shipyard's 100,000 dwt drydock is one of the deepest in South-east Asia with a draft of 13.1 metres, allowing cruise and naval vessels to dock without restrictions.

Docking Facilities	Type	Size	Capacity
Premier	Graving Dock	384m x 64m x 8.5m	400,000 DWT
President	Floating Dock	290m x 48m x 8.5m	150,000 DWT
King George VI (KG VI)	Graving Dock	303m x 39.6m x 13.1m	100,000 DWT
Republic	Floating Dock	202.3m x 42m x 10.3m	60,000 DWT
KFD	Floating Dock	230m x 35m x 7.3m	50,000 DWT

##### Sembcorp Marine Pandan Yard

The 14.2-hectare Sembcorp Marine Pandan Yard is able to accommodate the construction of seven proprietary design Pacific Class 400 jack-up rigs at various stages of construction at any one time. The location's capacities are optimised to fabricate jack-up rigs with maximum efficiency. It is equipped with three specially configured launchways and customised facilities for the fabrication of jack-up leg sections.

Wharf	275.5m
Sea Frontage	700m
Launchways	3
Painting / Blasting enclosures	2 x (25m x 14m x 30m) 2 x (25m x 10m x 30m)
Custom-built blasting and painting enclosures for leg sections	4 x (15m triangular x 12m height)
Crane Facilities	13 (Crawler, Crawler Ringer platform ringer cranes ranging from 50 - 750 tonnes)
Wharf draft @ Zero tide	5.5m