



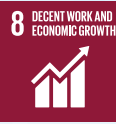
SWL

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# FULFILLING THE NEEDS OF OUR CUSTOMERS

MEETING CUSTOMERS' BUSINESS  
OBJECTIVES OF SAFETY, QUALITY,  
TIME AND COST



## **SHELL VITO FLOATING PRODUCTION UNIT FOR A DEEP-WATER DEVELOPMENT IN THE U.S. GULF OF MEXICO**

With our state-of-the-art 30,000-tonne cranes at Tuas Boulevard Yard, the Vito FPU topside will be assembled into a mega-block and combined with the hull efficiently in one single lift. Through the strategic strengthening of our yard's capabilities, we enhance our value proposition as a one-stop production centre capable of fabricating, assembling and installing larger and heavier integrated structures with greater cost-efficiency.

## FULFILLING THE NEEDS OF OUR CUSTOMERS

# We Are The Trusted Partner For Global Decarbonisation



### Renewables Solutions

#### Advancing a low carbon future

PC-series Offshore Wind Turbine Installation Vessels (WTIV), Offshore fixed and floating foundations, Offshore substations and platforms, Offshore support vessels, Wind turbine service vessels, Cable laying vessels



### Process Solutions

#### Providing trusted solutions to serve the offshore value chain

Floating Production, Storage and Offloading vessels (FPSO), Floating Storage and Offloading vessels (FSO), Floating Production Units (FPU)



### Gas Solutions

#### Supporting the global energy transition towards cleaner fuels

Gas exploration solutions, Floating Liquefied Natural Gas vessels (FLNG), Gas carriers, Liquefied Natural Gas (LNG) bunker vessels, LNG terminals (import/export, gas to power), Floating Storage Regasification Units (FSRU), LNG-fueled ships, LNG vessel repairs



Sembcorp Marine designed and is constructing three identical battery-powered Ropax ferries with zero-emission technology for Norled AS. While taking our utmost care to ensure the safety of our customers, vendors and our workforce amid the threat posed by COVID-19, we continue to make progress in the vessels' construction in collaboration with Norled AS



Sembcorp Marine strives to create value for customers and to accelerate sustainability within the offshore, marine and energy industries. We are committed to the timely delivery of innovative products and solutions that are aligned to our customers' needs and which meet high standards of quality, health, safety and environment. Through our greener energy and renewables solutions, we support the global transition towards cleaner fuels and a low carbon future. Our suite of green retrofit solutions and eco-friendly technologies also help mitigate our customers' impact on the climate and biodiversity.



### Ocean Living Solutions

#### Enabling sustainability in ocean living

Mid-sized cruise ships, Expedition ships suited for exploration of the Arctic and Antarctic regions, Mid-large-sized Ropax ferries addressing energy transition market, Deep-seagoing mega luxury yachts



### Advanced Drilling Rig Solutions

#### Delivering advanced solutions that fulfil high QHSE standards

Low carbon, energy-efficient drillships and rigs



### Digitalisation

#### Harnessing Industry 4.0 technologies for smarter and safer product solutions and operations

Autonomous and Remote-operated vessels, Digital Twin solutions

New generation, smart and sustainable yard operations augmented by highly automated steel structure fabrication workshop, automated pipe workshop, additive manufacturing, solar roof with digital management system and seamless secured connectivity



Fabrication of 15 wind turbine jacket foundations for the Formosa Phase 2 Offshore Wind Farm

## FULFILLING THE NEEDS OF OUR CUSTOMERS

### Our LNG Solutions : Supporting the Global Energy Transition

Supporting the adoption of cleaner energy across the shipping and global supply chain through LNG as a reliable, efficient and sustainable low-carbon fuel.



## WORLD'S Number 1

in the LNGC/FSRU/FSU sector with a total of  
**18** repair and conversion projects in 2020



Successful delivery of the conversion project of FSU CNTIC VPower Energy for VPower Group/Synergy Marine Group



Fabricating six wellhead risers platform topsides and four bridges at Sembcorp Marine Admiralty Yard for Total E&P Danmark A/S in the Tyra Redevelopment Project.



Heavy lift of the 3,200-tonne mid-ship block of the dual-fuel 12,000cbm LNG bunker vessel at Sembcorp Marine Tuas Boulevard Yard. Designed by Sembcorp Marine, it is the largest LNG bunker vessel being built in Singapore.

Conversion and upgrading of FSRU Karmol LNGT Powership Africa and Karmol LNGT Powership Asia for Mitsui O.S.K. Lines, Japan and Karpowership, Turkey (under co-brand KARMOL)



FSU conversion and upgrading of Torman II for Gasfin Development S.A./NYK



LNG vessel repairs and upgrades for GasLog LNG Services

FULFILLING THE NEEDS  
OF OUR CUSTOMERS

ACHIEVING KEY MILESTONES  
TOGETHER THROUGH SAFE AND SUSTAINABLE OPERATIONS



In August 2020, we delivered the offshore wind farm jacket foundations for the Hornsea 2 Offshore Wind Farm in the UK North Sea to Ørsted A/S.



In March 2020, we completed the major upgrade of Asuka II, Japan's largest cruise ship, for NYK Cruise. The upgrade involved extensive refurbishment and scrubber installation.



We successfully completed the conversion and upgrading of CNTIC VPower Energy FSU—amid global supply chain disruptions, travel restrictions and crew change challenges. The FSU was delivered in November 2020.

Completed repairs and upgrades on  
**26**  
cruise ships in 2020

Completed  
**34**  
Ballast Water Management System retrofit projects and  
**16**  
scrubber projects during the year



We successfully retrofitted scrubbers for Maran Tankers.

## CREATING EFFECTIVE AND SUSTAINABLE COLLABORATIVE PARTNERSHIPS



In 2020, Sembcorp Marine and our consortium partner GE's Grid Solutions were selected by RWE Renewables, owner of the 1.4 gigawatt Sofia Offshore Wind Farm, as the preferred supplier for the Wind Farm's High Voltage Direct Current (HVDC) electrical transmission system. Our scope of work includes the design, construction, installation and commissioning of the offshore converter platform for the project. We have started early design works and expect the Final Investment Decision (FID) to be made in the first quarter of 2021.

Located on the Dogger Bank, 195 km off the UK coast in the Central North Sea, Sofia spans an area of 593 km<sup>2</sup>. With a capacity of 1.4 gigawatt that will power nearly 1.2 million UK homes with clean and renewable energy, Sofia will be one of the largest wind farms in the world.



Sembcorp Marine is continuing with the pre-FID engineering work for Siccar Point Energy Cambo FPSO in anticipation of development sanction on the project in late 2021. We are very delighted to work with Siccar Point since 2019 in developing an innovative cylindrical FPSO for the Cambo field. This is another unique design-and-build project where the solution is based on our proprietary Sevan geostationary circular hull, a cost-effective alternative to traditional ship-shaped and turret-moored designs. The Sevan cylindrical hull eliminates the need for a costly turret while accommodating a larger number of risers and flexibility for future tie-ins.

In 2020, Sembcorp Marine is also pleased to have collaborated with the Defence Science and Technology Agency (DSTA), Singapore, on a concept based on an existing proven design by LMG Marin.