



News Release

SEMBCORP MARINE PARTNERS SP GROUP TO INTEGRATE GREEN ENERGY TECH AT TUAS BOULEVARD YARD

Solar panels to supply nearly 60% of power for Yard's steel fabrication facility at peak load

Singapore, 29 June 2021 – Sembcorp Marine and SP Group (SP) signed a partnership agreement to enhance the sustainability credentials of Sembcorp Marine's flagship Tuas Boulevard Yard (TBY or Yard). To lower Sembcorp Marine's carbon footprint, SP will be commissioned to deploy 4.0 MWp¹ of solar energy across seven rooftops at TBY. The solar energy generated will be integrated and optimised via SP's Green Energy Tech (GET™) to provide intelligent and reliable energy management to realise significant energy savings.

In 2017, both companies inked an agreement to develop and implement a digital energy solution, with the installation of an initial 4.5 MWp of rooftop solar panels at TBY's steel fabrication facility.

Today's new agreement is an extension of both companies' successful partnership. With the additional rooftop solar installation, TBY's new solar power capacity of 8.5 MWp will deliver up to 10,400 MWh² of electricity annually – enough to power more than 2,300 four-room flats per year. The GET™ smart energy management solution leverages Internet of Things (IoT), Artificial Intelligence (A.I.), sensors and advanced metering infrastructure to manage the generation, and monitor the usage and storage of the solar power. The

¹ MWp or Megawatt-peak is a unit of measure of nominal power output for a photovoltaic device such as a solar cell

² MWh or Megawatt-hour is a unit of measure of electric energy (one million watts of power generated/used per hour)



system optimises the Yard's energy consumption for greener operations, resulting in significant utilities savings. The integrated energy solution is expected to effectively provide close to 60% of electricity consumed by TBY's steel fabrication facility at peak load and avoid annual carbon emissions by more than 4,200 tonnes, equivalent to taking approximately 1,300 cars off the road.

Sembcorp Marine President & CEO, Mr Wong Weng Sun, said, "Sembcorp Marine recognises that it can and must contribute to global decarbonisation and sustainable development. Over the past few years, we have taken tangible steps to align our business objectives with Sustainability. Through embedding Industry 4.0 applications and environmentally-responsible initiatives in our operations, we have been able to deliver innovative and sustainable product solutions to the global offshore, marine and energy industries, and at the same time contribute to a greener and more sustainable planet for current and future generations."

Group Chief Executive Officer of SP, Mr Stanley Huang, said, "Our goal is to enable Singapore's green energy transition, and this partnership is an example of leveraging green technology to advance sustainable business operations for building stakeholders. Our leading expertise in energy management and digital innovation has been deployed across several industrial, commercial and residential developments. We look forward to supporting Sembcorp Marine and other corporations in integrating renewables into their energy mix and strengthening their environmental stewardship attributes for a carbon neutral future."

This partnership with SP is part of Sembcorp Marine's comprehensive approach to Sustainability. Since 2015, Sembcorp Marine has strategically aligned its business towards a cleaner energy mix, underpinned by decarbonisation, ocean sustainability, digitalisation and social growth. This has translated into clear ambitions set out in its Vision 2025 strategic roadmap. Recent initiatives include developing hydrogen fuel cells

for vessel propulsion and contributing to the development of a maritime decarbonisation centre in Singapore. Through Sembcorp Marine's sustainable solutions and green initiatives, the Company aims to avoid 15,000 tonnes of carbon emission per annum by 2025.

The second phase of this partnership will commence in July 2021 and is targeted for completion in May 2022. Both Sembcorp Marine and SP will also explore deployment of more rooftop solar and other sustainable energy solutions at TBY.



Mr Wong Weng Sun (L), President & CEO, Sembcorp Marine, with Mr Stanley Huang, Group CEO, SP Group



Solar panels (L) installed at Sembcorp Marine Tuas Boulevard Yard during Phase 1 of Sembcorp Marine and SP Power's collaboration

Editor's Notes

Please click [here](#) to download the high-resolution images of the above photos.

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About Sembcorp Marine

Company Registration Number: 196300098Z

Sembcorp Marine 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. Sembcorp Marine's solutions focus on the following areas: Renewables, Process, Gas, Ocean Living and Advanced Drilling Rigs.

Sembcorp Marine's customers include major energy companies, owners of floating production units, shipping companies and cruise and ferry operators. They are supported by four commercial units: Rigs & Floaters; Repairs & Upgrades; Offshore Platforms and Specialised Shipbuilding.

Sembcorp Marine operates shipyards and other facilities in Singapore, Indonesia, the United Kingdom, Norway and Brazil.

Discover more at www.sembmarine.com.

About SP Group

SP Group is a leading utilities group in the Asia Pacific, enabling a low-carbon, smart energy future for its customers. It owns and operates electricity and gas transmission and distribution businesses in Singapore and Australia, and sustainable energy solutions in Singapore and China.

As Singapore's national grid operator, about 1.6 million industrial, commercial and residential customers benefit from its world-class transmission, distribution and market support services. These networks are amongst the most reliable and cost-effective world-wide.

Beyond traditional utilities services, SP Group provides a suite of sustainable and renewable energy solutions such as microgrids, cooling and heating systems for business



districts and residential townships, solar energy solutions, electric vehicle fast charging and digital energy solutions for customers in Singapore and the region.

For more information, please visit spgroup.com.sg or for follow us on Facebook at fb.com/SPGroupSG, on LinkedIn at spgrp.sg/linkedin and on Twitter @SPGroupSG.

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