SP Group to build first micro-grid on mainland Singapore

By Andrea Soh

SP Group said it is working with Sembcorp Marine to install solar panels and an energy storage system at the latter’s Tuas Boulevard Yard. The entire energy management system, which include energy sensors and a real-time digital platform to monitor, analyse and optimise energy use, is expected to reduce the amount of electricity SembMarine’s steel fabrication facility consumes from the grid by 30 per cent during peak production periods. The solar energy system will have a capacity of 4.5 Mwp, and will deliver up to 5.38 gigawatt-hour of energy every year – equivalent to the consumption of almost 17,000 four-room flats.

It will also reduce SembMarine’s carbon emissions by 2,500 tonnes a year, similar in effect to powering 530 vehicles from Singapore’s roads. Installation work is expected to start early next year and will be completed in the fourth quarter of 2018.

SembMarine president and CEO Wong Weng Sun said in a statement: “As a major energy consumer, Sembcorp Marine is investing proactively in solutions for sustainable operations that reduce our carbon footprint even as our yard activities expand and grow.”

With the implementation of a digital energy-saving system at Tuas Boulevard Yard, we are taking an important step towards this end, and we look forward to integrating other innovations into our sustainability efforts over time.”