



Company Registration Number: 196300098Z

Seatrium and Consortium Partner Aibel Achieve Major Milestone with Successful Sailaway of DoIWin epsilon from Singapore for TenneT

Singapore, 16 October 2023 – Seatrium Limited (Seatrium) announced today the successful sailaway of the DoIWin epsilon, a High Voltage Direct Current (HVDC) Offshore Platform for European grid operator, TenneT. The platform, a milestone of the DoIWin5 project, completed in partnership with Aibel AS, will play a crucial role in the DoIWin cluster on the German sector of the North Sea wind farm with crucial responsibilities in collecting, converting, and transmitting high-voltage power generated by wind turbines.

This is a first for TenneT to have built its repertoire of HVDC offshore platforms in Singapore. Upon completion, the DoIWin epsilon will be transported to Norway's Haugesund for high-voltage electrical equipment installation and commissioning, carried out together with Hitachi Energy as Consortium's subcontractor and supplier for the HVDC technology, before being transported to Germany for offshore installation.

Based on a Gravity Based Structure (GBS) design, the DoIWin epsilon features living quarters, a helideck and lifting cranes. It is designed with a lifespan of 30 years and can convert approximately 900-megawatt (MW) of green electricity, capable of powering a city over 1.1 million households. As a HVDC offshore platform, DoIWin epsilon can transmit renewable energy from offshore wind farms to the onshore grid with minimal power losses. By facilitating the integration of renewable energy into the grid, the DoIWin epsilon plays a critical role in the European Union's ambitions to reduce greenhouse gas emissions and achieve its Net Zero goal for a more sustainable future.

The successful sailaway of the DoIWin epsilon is testament to Seatrium's capabilities as a leading global player in the offshore, marine and energy industries with deep engineering expertise in offshore renewable energy infrastructure. The landmark project reinforces Seatrium's track record in serving the renewable energy market which represents an area of future growth for the Group.

Seatrium's CEO, Chris Ong, said: "Seatrium is committed to providing high quality and innovative EPC solutions to meet the world's growing demand for greener and cleaner energy. As a forward-looking organisation, Seatrium has always kept its sights on the future of energy. The successful sailaway of the DoIWin epsilon offshore platform is testament to our expertise and capabilities. We are honoured to have partnered with both TenneT and Aibel to support the industry's efforts in the energy transition journey."

President and CEO of Aibel, Mads Andersen, said: "Seatrium and Aibel have come together to cooperate in this strategic project jointly, contributing our complementary expertise in engineering, project management and integration. We are proud to have worked alongside Seatrium to strengthen our joint ambitions in the ongoing energy transformation."

Seatrium announced in March this year that it has also inked a Framework Cooperation Agreement with TenneT to supply HVDC electrical transmission systems for three 2 gigawatt (GW) mega offshore wind farm projects, with a combined capacity of 6 gigawatt (GW), in the Netherlands¹.

- The End -

Enclosed:

Annex A: [Photo of DoWin epsilon HVDC Platform](#), built by leading consortium partners Seatrium and Aibel



Captions: Bringing Offshore Wind Energy to Shore: The DoWin epsilon HVDC Platform, built by leading consortium partners Seatrium and Aibel with world-class design and cutting-edge technology, paves the way for a sustainable future.

¹ "Sembcorp Marine and GE Jointly Secure Landmark Offshore Renewables Project to Build Biggest and Most Advanced HVDC Electrical Transmission System for TenneT", 30 March 2023

About Seatrium Limited

Seatrium Limited (formerly Sembcorp Marine Ltd and renamed as Seatrium Limited following its merger with Keppel Offshore & Marine Ltd) provides innovative engineering solutions to the global offshore, marine and energy industries. Headquartered in Singapore, the Group has 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 key business segments of Oil & Gas Newbuilds and Conversions; Renewables and New Energies; Specialised Shipbuilding; and Repairs & Upgrades provide a diverse suite of products and services, with a growing focus on sustainable solutions to advance the global energy transition and maritime decarbonisation.

As a premier global player offering offshore renewables, new energy, and cleaner offshore & marine solutions, Seatrium is committed to delivering high standards of safety, quality, and performance to its customers who include major energy companies, owners of floating production units, shipping companies and cruise and ferry operators.

Seatrium operates shipyards and other facilities in Singapore, Brazil, China, Indonesia, Japan, the Philippines, Norway, the United Kingdom and the United States.

Discover more at seatrium.com.

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