



## HUISMAN TO DELIVER 5,000MT CRANE AND INTEGRATED MONOPILE HANDLING SYSTEM FOR PENTA- OCEAN CONSTRUCTION'S NEW HEAVY LIFT VESSEL

Schiedam, the Netherlands, 27 January 2025

Huisman has been awarded a contract from Penta-Ocean Construction Co. Ltd. to deliver a 5,000mt Tub Mounted Crane along with a monopile handling system, including a Motion Compensated Pile Gripper and a Monopile Storage and Transport System. Developed collaboratively with Penta-Ocean Construction and vessel designer Ulstein, this innovative equipment concept seamlessly integrates the crane and handling tools into Penta-Ocean Construction's new heavy lift vessel. Designed for the Japanese offshore wind market, this vessel will be the world's first fully integrated heavy lift vessel, offering one of the highest lifting capacities globally.

Its 5,000mt active heave-compensated Tub Mounted Crane features a dual main hoist and Universal Quick Connector, enabling efficient, safe tool changes to reduce cycle time and safety risks. Key advantages of the low weight



Huisman Tub Mounted Crane include a compact tail swing for deck space optimisation, no counterweight, full revolving capacity, and an in-house produced slew bearing.



The Motion Compensated Pile Gripper is specifically designed for the installation of large-diameter, variable-length monopiles over the vessel's unique U-shaped stern. With the monopiles being stored lengthwise on the vessel, the integrated upending system enables direct handling from storage to installation. These features minimise lifting operations, while the aft installation method enhances shielding, improving the vessel's workability and operational efficiency.

With this contract, Huisman strengthens its position as market leader in heavy lift cranes and Motion Compensated Pile Grippers, marking the fourth contract for such motion compensation system, enabling safe monopile installation from floating vessels.

**Tetsunori Ohshimo, Senior Managing Executive Officer, Head of the Offshore Wind Construction Business Divisions Group of Penta-Ocean Construction:** "We are proud to finalise the contract with Huisman for the development of a 5,000mt fully revolving crane and a monopile handling system to be installed on the advanced heavy lift vessel. The vessel, equipped with an innovative crane system, is essential for installing the increasingly heavy monopile foundations required for larger wind turbines. We are confident that the Huisman's heavy lift and installation technology will make a significant contribution to the development of offshore wind in Japan."

**Timon Ligterink, Commercial Director APAC of Huisman:** "We are honoured to be awarded this prestigious contract, which celebrates the incredible collaboration between Penta-Ocean Construction, Ulstein, and Huisman. Working together, we have created fully integrated heavy lifting equipment for this groundbreaking, next-generation heavy lift vessel. This partnership exemplifies what can be achieved through shared vision and innovation, and we are committed to advancing the future of heavy lift and installation technology in Japan."

The partnership with Penta-Ocean represents Huisman's entry to the Japanese market. Previous deliveries include an 800mt Pedestal Mounted Crane for the CP-8001 SEP and a 1,600mt Leg Encircling Crane for the CP-16001, reinforcing Huisman's commitment to advanced lifting solutions in the region.



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## ABOUT HUISMAN

Huisman is a worldwide supplier of step changing technical solutions to the world's leading companies in renewable energy, oil and gas, civil, naval and entertainment markets. Projects vary from stand-alone components to highly engineered integrated systems, from concept to installation and life time support. Huisman operations are divided between offices in the Netherlands, Brazil, China, Czech Republic, Norway, Singapore and the USA and facilities in the Netherlands, Brazil, the Czech Republic and China.

## ADDITIONAL INFORMATION

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