



ICNAME

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ICNAME Founding Members News

China Delivers Most Advanced LNG Carrier with Fully Domestic Cryogenic Valves

China on Friday delivered a 174,000-cubic-meter liquefied natural gas (LNG) carrier that is the country's first to use a fully domestic set of cryogenic valves in its cargo containment system—a milestone that completes a full domestic supply chain for large LNG carriers, from materials and design to equipment. The vessel, named Puteri Johor, was built by Hudong-Zhonghua Shipbuilding, a subsidiary of CSSC. It is 299 meters long and 46.4 meters wide, with a deck area equivalent to three football fields. Its four cargo tanks can carry 174,000 cubic meters of LNG, enough to supply 3.3 million households for a month. The ship's dual-fuel low-speed propulsion system and next-generation cargo containment system are both world-class. Daily carbon emissions are reduced by about 10 tonnes, while fuel and gas consumption drops by 10 percent, and the loading rate improves from 98 percent to 98.5 percent, adding nearly 900 cubic meters (about 500 tonnes) of LNG per voyage. China's first domestically built large LNG carrier, the Dapeng Sun, had a localization rate below 30 percent. After more than a decade of development, the rate has risen to 80 percent, and the containment system now achieves 100 percent domestic sourcing capability. Build time has fallen from 40 months to 16 months, and annual output has risen to 11 deliveries per year. Hudong-Zhonghua's order book stands at nearly 60 vessels, with production slots filled through 2030.

Source: China State Shipbuilding Corporation (CSSC) / Global Times

Link: <https://www.globaltimes.cn/page/202605/1362253.shtml>

CSSC Yards Win 4+2 1,900-TEU Boxships and Two Train Ferries Contracts

China State Shipbuilding Corporation subsidiaries have signed contracts for 4+2 1,900-TEU container ships and two train ferries. Wuchang Shipbuilding signed a strategic cooperation framework agreement and a shipbuilding contract with Ningbo Ocean Shipping Co on 27 May for 4+2 1,900-TEU container ships. The ships are designed for shallow-water ports and narrow waterways in Asian regional trades, with CSSC pointing to low fuel consumption, energy efficiency and cargo-carrying capability. The order follows Wuchang Shipbuilding's delivery of six 1,100-TEU container ships and a separate nine-ship container vessel order. Meanwhile, Huangpu Wenchong and CSSC Trading have signed a contract with Mexican transport group GMXT for two train ferries. The ships were designed by Shanghai Ship Design and Research Institute with a medium-speed engine propulsion arrangement, twin engines, twin propellers and bow

thrusters, intended to support maneuvering and train transport operations across different sailing and operating conditions. Huangpu Wenchong delivered two same-type train ferries to US company CGR in 2021.

Source: China State Shipbuilding Corporation (CSSC) / PortNews

Link: <https://en.portnews.ru/news/392179/>

CSSC Energy Saving's Ultra-Large Wind-Assisted Rotor Products Enter Batch Delivery Stage

In May, great news came from CSSC (Shanghai) Energy Saving Technology Co., Ltd. The first batch of ultra-large wind-assisted rotor tilting and retracting bases, with a diameter of 5 meters and a total height of 40 meters, were officially loaded and shipped from Jiangyin, marking that the world's largest ultra-large wind-assisted rotor industrialization project—the 325,000-ton ultra-large ore carrier wind-assisted rotor project—has entered the batch delivery stage. At the same time, the supporting tower components for the ship's wind-assisted rotors entered the full-process assembly and commissioning phase. After more than ten years of continuous deep research, development and iterative optimization, CSSC Energy Saving has forged a solid path from scientific research breakthroughs to industrialization. The company successfully secured the world's largest commercial order for the largest size and largest batch of wind-assisted rotors. Targeting the energy-saving retrofit market for ultra-large ocean-going ore carriers, the R&D team developed a customized design plan for the 325,000-ton dual-fuel ultra-large ore carrier serving the core route for cross-border iron ore transportation from China to Brazil, configuring five 5-meter-class tiltable wind-assisted rotors to maximize wind energy boosting efficiency.

Source: China State Shipbuilding Corporation (CSSC) / World Ports

Link: <https://www.worldports.org>

CSSC 715th Research Institute's Underwater Unmanned Vehicle Wins Award at Robotics Competition

The 50kg-class portable underwater unmanned vehicle, self-developed by CSSC 715th Research Institute's subsidiary CSSC Ruili Marine Information and Equipment Support (Hainan) Co., has won the third prize at the 2026 Hangzhou International Embodied Robotics Scenario Application Competition. The competition was China's first robotics competition centered on real-scenario applications, attracting over 200 teams from around the world. The Hainan team competed in the underwater robot emergency rescue track, successfully completing a series of demanding tasks including trajectory planning, autonomous operation and target search and identification. The vehicle is

equipped with intelligent trajectory planning and autonomous obstacle avoidance algorithms, enabling it to autonomously calculate optimal navigation routes and independently complete given operational tasks in complex underwater environments with turbid water and variable currents. It can handle multiple underwater scenarios in both routine operations (ocean engineering surveys, water infrastructure inspections, underwater pipeline patrols) and emergency situations (underwater rescue operations, underwater target reconnaissance, coordinated salvage operations). The vehicle features a lightweight design that can be easily carried by a single person and deployed underwater by two workers.

Source: CSSC 715th Research Institute / China Reports

Link: <http://new.chinareports.org.cn/index/news/99258.html>

Harbin Engineering University's Intelligent Deep-Sea Submersible Completes Mid-Term Tests

The marine intelligent detection submersible jointly developed by Harbin Engineering University and Shenzhen Ocean Oil Engineering Underwater Technology Co., Ltd., has successfully completed a 2000-metre submersion test and various deep-sea engineering applications. The trials included autonomous exploration for submarine oil pipelines, surface characteristic measurement of the seabed, topography detection on the seafloor, and profiling observation in shallow layers, fully verifying the submersible's deep-sea operational performance. HEU has long been committed to the development of autonomous underwater vehicle technologies, with related achievements widely applied in marine scientific research and resources development fields.

Source: Harbin Engineering University / ICNAME

Link: <https://www.icname.org/News/539.html>

LR Foundation: Sustainable Ocean Economy Cannot Be Built on Unsafe Systems

Lloyd's Register Foundation has published an article arguing that safety must be the starting point for the maritime industry's future. Dr. Randhi Satria, Country Lead of Ocean Centres Indonesia, writes that in conversations about the ocean economy, the focus is often on growth, decarbonisation, innovation and investment—but fundamentally, progress cannot be built on unsafe systems. When vessels operate under pressure, when workers face preventable risks, or when reporting systems fail to capture real incidents, the cost is not only human but also economic and structural. Safety is not just about compliance; it is about resilience. The article calls for embedding safety into sustainability strategies, noting that a safe ocean economy is a more competitive, investable and future-ready one, and urges that safety sit at the foundation of how policy

is designed, investment is structured and organisations are led.

Source: Lloyd's Register Foundation

Link:<https://www.lrfoundation.org.uk/news/why-a-sustainable-ocean-economy-cant-be-built-on-unsafe-systems>

Other Maritime and Ocean Engineering News

Oman Issues Navigation Warning After Suspected Naval Mine Detected in Strait of Hormuz

Oman's Maritime Security Centre issued a warning on Saturday after a floating object suspected to be a naval mine was sighted within Omani territorial waters west of the inshore traffic zone in the Strait of Hormuz, one of the world's most strategically significant shipping corridors. The centre called on all maritime users, including commercial vessels, fishing boats and recreational craft, to exercise the highest level of caution, remain vigilant and avoid approaching any unidentified floating objects. The warning comes amid ongoing tensions over control of the Strait of Hormuz, a key maritime route linking Gulf oil producers with international markets.

Source: Muscat Daily

Link:<https://www.muscatdaily.com/2026/05/30/oman-detects-suspected-naval-mine-in-hormuz-strait/>

China Deploys World's Largest Offshore Wind Converter Station With Record 2-GW Capacity

China has dispatched the world's largest offshore wind converter station, named "Hai Feng Zhi Xin" ("Heart of the Sea Wind"), for installation off the coast of Guangdong Province. The 25,000-tonne platform departed Nantong on 27 May aboard a semi-submersible vessel and is being transported about 1,090 nautical miles to offshore waters near Yangjiang. Built by Shanghai Zhenhua Heavy Industries Co., Ltd., the converter station will serve the Three Gorges Yangjiang Qingzhou V and Qingzhou VII offshore wind farms with a combined installed capacity of 2 GW. The facility set six industry records, including becoming the world's first offshore converter station with a single-unit transmission capacity of 2,000 MW and the world's highest-voltage offshore wind flexible direct-current transmission system at ± 500 kV. Once operational, it is expected to deliver around 6 billion kWh of renewable electricity annually.

Source: Marine Insight

Link:<https://www.marineinsight.com/china-deploys-worlds-largest-offshore-wind-converter-station-with-record-2-gw-capacity/>

Equinor and Polenergia Begin Offshore Installation for Bałtyk 2 and 3 Wind Farms

Equinor and Polenergia have initiated a new offshore construction phase with the installation of the first foundations for the Bałtyk 2 and Bałtyk 3 offshore wind farms

in the Baltic Sea. The first twelve sets of monopiles and transition pieces have been safely installed, marking the start of the offshore campaign for these strategic Polish projects. The installation is being carried out by Thialf, one of the world's largest heavy-lift vessels operated by Heerema Marine Contractors. When fully operational, the wind farms will have a combined capacity of 1,440 MW, sufficient to supply renewable electricity to approximately two million households, with first energy expected in 2027.

Source: Inспенet

Link: <https://inspenet.com/en/news/first-foundations-installed-at-baltyk-2-and-3-offshore-wind-farms/>

Dajin Heavy Industry Signs USD 300 Million Shipbuilding Contracts with Greek and Norwegian Owners

Dajin Heavy Industry Co., Ltd. and its subsidiary Tangshan Dajin Offshore Marine Engineering Co., Ltd. have signed two shipbuilding contracts each with a Greek shipowner and a Norwegian shipowner. The company will design, build and deliver a total of four 211,000 DWT bulk carriers. Each vessel measures approximately 299.95 metres in length, 50 metres in beam and 25 metres in depth. The total value of the contracts is approximately USD 300 million (about RMB 2.05 billion), with deliveries scheduled in batches in 2029.

Source: Shanghai Securities News / China Securities Network

Link: <https://www.cnstock.com/commonDetail/722782>

DEME to Install Japan's First 15 MW Offshore Wind Turbines

DEME, through its Japanese joint venture Japan Offshore Marine, has been awarded a contract for the Oga-Katagami-Akita offshore wind project in Japan. JOM will install 21 Vestas V236-15 MW turbines, marking the first deployment of 15 MW wind turbines in Japan and the first application of turbines of this size outside Europe, excluding China. Installation work will be carried out by the jack-up vessel Sea Challenger, which is expected to fly the Japanese flag when offshore operations begin. DEME's share of the contract has a value of up to USD 58 million, with offshore installation activities scheduled for the second half of 2027.

Source: World Ports

Link: <https://www.worldports.org/deme-to-install-japans-first-15mw-offshore-wind-turbines/>

TotalEnergies Files Authorization Application for 1.5 GW Centre Manche Energies Offshore Wind Project

Eight months after being awarded the project by the French State, TotalEnergies' wholly owned project company Centre Manche Energies has officially applied for the Single Authorization of the 1.5 GW offshore wind farm to be sited off the coast of Normandy. Located more than 40 km off the Normandy coast, this will be the largest renewables project ever developed in France, generating around 6 TWh per year and supplying green electricity to more than one million French homes. The project represents an investment of €4.5 billion and will employ up to 2,500 people during the three-year construction phase.

Source: World Ports

Link:<https://www.worldports.org/totalenergies-files-for-authorisation-of-its-giant-centre-manche-energies-offshore-wind-project-in-france/>

Ming Yang Europe Joins Norway's Offshore Wind Industry Cluster

Ming Yang Europe has joined Norwegian Offshore Wind, one of Europe's largest offshore wind industry clusters comprising approximately 300 companies across the offshore wind value chain, including developers, manufacturers, suppliers and service providers. The membership represents another step in Ming Yang Europe's broader European integration strategy, following its recent entry into Germany's offshore wind association BWO. Norway has set a target of developing 30 GW of offshore wind capacity by 2040.

Source: Energymagz

Link:<https://energymagz.com/43797/ming-yang-europe-joins-norways-offshore-wind-industry-cluster/>

Vietnam Considers Offshore Wind-Hydrogen Integration to Optimise Investment Efficiency

Vietnam targets 6,000 MW of offshore wind power by 2030, rising to 15,000 MW by 2035 and 139,000 MW by 2050, equivalent to 20-25 percent of the country's total installed power capacity. According to Dr. Du Van Toan from the Institute of Meteorology, Hydrology, Environment and Marine Sciences, an integrated model using surplus electricity for seawater electrolysis to produce green hydrogen could help optimise investment efficiency for offshore wind farms. Vietnam issued its national green hydrogen strategy in 2024.

Source: VietnamNet

Link:<https://vietnamnet.vn/en/offshore-wind-hydrogen-integration-optimises-investment-efficiency-2521234.html>