



ICNAME

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ICNAME Founding Members News

HEU Achieves Historic “3+1” Breakthrough at China’s National Science and Technology Awards

Harbin Engineering University achieved a historic breakthrough at the 2025 National Science and Technology Awards, receiving three national project awards and one International Science and Technology Cooperation Award. A team led by Professor Yang Desen won the First Prize of the State Technological Invention Award for innovations in the acoustic technology of underwater vehicles. A team led by Professor Yin Jingwei received the Second Prize of the State Technological Invention Award for its distributed underwater information detection system designed for deep and distant seas. Professor Carlos Guedes Soares, Chair Professor at HEU, received the International Science and Technology Cooperation Award. Professor Li Guorui also contributed to a project that won the Second Prize of the State Natural Science Award for research on the extreme deformation of soft materials and its applications in deep-sea soft robotics.

Source: Harbin Engineering University News

Link: <https://news.hrbeu.edu.cn/info/1141/89160.htm>

CSSC Wins Eight National Science and Technology Awards, Including a Grand Prize for the Fendouzhe Submersible

China State Shipbuilding Corporation received eight awards at the 2025 National Science and Technology Awards. The project “Development and Application of the Full-Ocean-Depth Manned Submersible Fendouzhe,” led by CSSC’s 702nd Research Institute, won the Grand Prize of the State Scientific and Technological Progress Award. It was the only Grand Prize awarded in the general category that year and marked CSSC’s first national science and technology Grand Prize since 2009. The project achieved major breakthroughs in pressure-resistant crew cabins and materials, high-energy-density deep-sea power systems, ultra-deep-sea high-definition communications and high-precision underwater positioning. The localization rate of its key components exceeded 96.5%. The submersible has conducted hundreds of safe dives and supported scientific research in major ocean trenches around the world.

Source: China State Shipbuilding Corporation Limited

Link: <https://www.cssc.net.cn/n5/n18/c33909/content.html>

CCS’s Revised Rules for the Structural Design of Container Ships Take Effect

China Classification Society announced that the 2026 amendment to its Rules for the Construction and Classification of Container Ships officially took effect on July 1. Developed on the basis of four years of research, practical ship applications and industry feedback, the revised rules respond to the increasing size and customization of

modern container ships. The amendment introduces new class notations for bow-bottom and stern-bottom slamming assessment and updates requirements concerning corrosion additions, structural openings, minimum plate thickness, buckling strength, design loads, wave conditions and construction practices. The revision is intended to improve the structural safety, reliability and design efficiency of large container ships.

Source: China Classification Society

Link: <https://www.ccs.org.cn/ccswz/articleDetail?id=202607080339764748>

Junzheng Shipping and CCS Discuss Advanced Materials and Digital Technologies for Chemical Tankers

Representatives from Shanghai Junzheng Shipping visited China Classification Society for a technical exchange covering advanced materials, cargo operations and digital ship delivery. The two sides discussed the potential application of nickel-saving duplex stainless steel in chemical tankers, cargo suitability analysis, tank-cleaning technology and digital vessel-delivery services. CCS presented its latest research and technical capabilities in these areas. The parties also explored the possibility of applying the technologies to future chemical tanker newbuilding projects, supporting safer, more efficient and more sustainable chemical shipping.

Source: China Classification Society

Link: <https://www.ccs.org.cn/ccswz/articleDetail?id=202607080333934296>

CCS Reviews Its Contribution to the Development of Common Structural Rules for Tankers and Bulk Carriers

China Classification Society published a historical feature reviewing its contribution to the development of the International Association of Classification Societies' Common Structural Rules for oil tankers and bulk carriers. The rules, adopted in 2005, represented the first global harmonization of structural design standards for these vessel types. CCS worked with other Asian classification societies to provide important technical input during the rule-development process. The common rules improved ship structural safety and helped prevent competition among classification societies based on reduced structural dimensions.

Source: China Classification Society

Link: <https://www.ccs.org.cn/ccswz/articleDetail?id=202607080334222742>

Other Maritime and Ocean Engineering News

China Delivers Its Largest Fully Slewing Semi-Submersible Crane Vessel

China's largest fully slewing semi-submersible crane vessel, Sihang Yongsheng, was delivered in Jiangmen, Guangdong Province. Built by CCCC Fourth Harbor Engineering's Jiangmen Hangtong Shipbuilding, the vessel is 110 metres long, 43.8 metres wide and eight metres deep, with a continuous flat deck covering approximately 4,800 square metres. It is equipped with a 2,200-tonne fully slewing luffing crane and can transport offshore structures weighing up to 20,000 tonnes. The vessel also features an intelligent automatic ballast-control system that adjusts its draft and attitude according to sea conditions, vessel motion and crane loads.

Source: Xinhua News Agency / Science and Technology Daily

Link: https://www.stdaily.com/web/gdxw/2026-07/08/content_544153.html

OMS Group Begins Construction of Its Third Next-Generation Cable-Laying Vessel

OMS Group held the first steel-cutting ceremony for its third next-generation cable-laying vessel, CS Resilience, at the CRIST shipyard in Gdynia, Poland. The vessel is scheduled to enter service in 2028 and will become part of the company's GREAT-Class cable-laying fleet. Designed in cooperation with Ulstein, the vessel incorporates the X-BOW hull form and a variable-speed power-generation system to improve seakeeping, fuel efficiency and emissions performance. It will support the installation and maintenance of international subsea telecommunications cables.

Source: MarineLink

Link: <https://www.marinelink.com/news/oms-group-cuts-first-steel-third-cable-541030>

Kongsberg Maritime and BCIT Establish Marine Innovation Simulation Centre

Kongsberg Maritime and the British Columbia Institute of Technology announced the establishment of the Marine Innovation Simulation Centre of Excellence in Canada. The centre will provide advanced simulation technologies for maritime research, professional training and technology development. Its work will cover vessel autonomy, maritime cybersecurity, human factors, accident analysis, port development, marine infrastructure and low- and zero-emission vessel operations. The initiative is expected to strengthen collaboration between academia and industry while supporting the next generation of maritime professionals.

Source: MarineLink

Link: <https://www.marinelink.com/news/kongsberg-maritime-bcit-invest-future-541053>

Dutch Company Prepares Open-Water Tests of Ocean-Current Energy Technology

Dutch developer Equinox Ocean Turbines prepared to conduct open-water testing of its Mobula 5 ocean-current turbine prototype in Friesland. The one-tenth-scale prototype is designed to validate the controllability, electrical output and hydrodynamic performance of the technology under realistic water conditions. The tests are intended to raise the system to Technology Readiness Level 6 and provide data for a half-scale demonstrator planned for 2028. The company ultimately aims to deploy ocean-current energy systems in locations such as the Florida Current and the Kuroshio Current.

Source: Offshore Energy

Link: <https://www.offshore-energy.biz/dutch-getting-ready-to-test-ocean-current-tech-in-open-water/>

Wallenius Wilhelmsen Takes Delivery of Its First Methanol-Ready Shaper-Class Car Carrier

Wallenius Wilhelmsen took delivery of Arctic Tern, the first dual-fuel methanol-ready vessel in its new Shaper Class of pure car and truck carriers. The ship provides increased cargo capacity and improved operational efficiency and will be operated by EUKOR on routes between Asia and Europe. Its propulsion system can use methanol as well as conventional marine fuels, enabling the vessel to reduce emissions as supplies of lower-carbon methanol become available. The delivery forms part of the company's long-term fleet-renewal and decarbonization strategy.

Source: MarineLink

Link: <https://www.marinelink.com/news/methanolready-arctic-tern-pctc-joins-541076>

TotalEnergies Ships First LNG Cargo from Mexico's ECA LNG Project to Asia

TotalEnergies shipped the first liquefied natural gas cargo from the Energia Costa Azul LNG Phase 1 project on Mexico's Pacific coast. The terminal, which is currently undergoing commissioning, has an annual production capacity of approximately 3.25 million tonnes. It processes natural gas supplied from the Permian Basin in the United States. Its Pacific location provides a shorter shipping route to Asian markets than terminals on the US Gulf Coast, reducing voyage distances, transportation costs and associated emissions.

Source: Offshore Energy

Link: <https://www.offshore-energy.biz/totalenergies-ships-first-lng-cargo-from-mexican-project-to-asia/>

Prysmian Deploys Its Most Powerful Heavy-Duty Subsea Cable Burial Plough

Prysmian placed its most powerful heavy-duty subsea cable-burial plough into operation. Developed by UK-based subsea engineering company SMD, the equipment

can bury power cables as deep as five metres below the seabed. The plough will be deployed aboard Prysmian's cable-laying vessels Monna Lisa and Alessandro Volta. It is designed to improve cable-installation accuracy, operational efficiency and performance in challenging seabed conditions, supporting the protection of offshore power connections and international subsea energy infrastructure.

Source: Offshore Energy

Link: <https://www.offshore-energy.biz/prysmians-arsenal-richer-for-its-most-powerful-heavy-duty-plough-yet/>

Scotland Establishes Long-Term Framework for Major Subsea HVDC Cable Projects

SSEN Transmission signed a long-term framework agreement with Sumitomo Electric and Van Oord Offshore Wind UK for the engineering, supply, transportation and installation of high-voltage direct-current subsea cable systems. Sumitomo Electric will be responsible for cable engineering, procurement and supply, while Van Oord will undertake offshore transportation and installation. The planned 330-kilometre, 2-GW Shetland 2 transmission connection could become the first project delivered under the framework. The agreement forms part of a wider investment program to strengthen electricity transmission infrastructure in northern Scotland.

Source: Offshore Energy

Link: <https://www.offshore-energy.biz/scotland-future-proofs-subsea-network-rollout-with-long-term-hvdc-agreement/>