



GREEN JADE SETS SAIL: TAIWAN'S WIND POWER MILESTONE ACHIEVED!

DEME's cutting-edge offshore installation vessel, Green Jade, has marked a historic achievement with the successful completion of its maiden heavy-lift assignment in Taiwan. Tasked with installing the 31st and final jacket foundation at the Zhong Neng wind farm, Green Jade showcased its prowess by effortlessly lifting structures with its 4,000-tonne capacity crane.

This accomplishment follows the earlier installation of 93 pin piles by DEME's jack-up vessel, Apollo, demonstrating the seamless coordination and execution of offshore wind projects in the region.

Situated offshore Changhua, the 300 MW Zhong Neng project stands as a testament to Taiwan's commitment to locally developed renewable energy initiatives. Thanks to the collaborative efforts of CDWE, the Taiwanese joint venture between CSBC and DEME, the foundation installation was completed on schedule. This achievement not only keeps the project on track to meet its milestones but also positions it as a frontrunner in Taiwan's burgeoning offshore wind industry.

The success of the Zhong Neng project is a testament to the synergy between CDWE's local engineers, DEME's European technical team, and the client, Zhong Neng. Their collective dedication and open communication have paved the way for the project's timely completion, setting a new standard for excellence in offshore wind energy endeavors.

MILESTONE ACHIEVED: COSCO SHIPPING DELIVERS FOR MORAY WEST PROJECT

COSCO Shipping Heavy Transport reached a milestone by handling 10 transition pieces for the Moray West offshore wind farm project, commissioned by Lamprell.

These pieces were transported from Hamriyah, UAE, to the marshalling yard in Nigg, UK, aboard the vessel Tai An Kou. This delivery marks a crucial step forward for the project's construction, showcasing COSCO's expertise in offshore wind logistics.

Global Energy Group's port of Nigg was chosen as the marshalling location, highlighting its efficiency in handling offshore wind components. Siemens Gamesa also selected Nigg for wind turbine pre-assembly, solidifying the port's role as a central hub for offshore wind activities.

This achievement underscores COSCO's commitment to excellence and reliability in the offshore wind industry, driving the advancement of renewable energy initiatives globally.





AXESS TECHNOLOGIES PARTNERS WITH WIND CATCHING SYSTEMS: PIONEERING ADVANCEMENTS IN FLOATING OFFSHORE WIND TECHNOLOGY

Axess Technologies has secured a concept engineering study contract with Wind Catching Systems (WCS), a leading developer of floating offshore wind technology. The collaboration aims to revolutionize the offshore wind industry by introducing an advanced handling system capable of efficiently replacing turbine blades and entire turbines, while also serving as a versatile work platform for inspection, maintenance, and repair operations.

Marte Vågen, Director of Products at Axess Technologies, expressed enthusiasm about leveraging their expertise in material handling to realize this innovative and sustainable system for WCS. This comprehensive study aligns seamlessly with Axess's strategy to enhance revenue streams from renewables, solidifying their position as a key supplier of lifting solutions to the offshore wind industry.

WCS, an independent technology provider to the floating wind sector, aims to maximize power generation from a concentrated area with their Windcatcher concept. The highly scalable unit, based on mass-produced smaller turbines, offers at-sea replacement of individual turbines without the need for specialized ships or cranes. This groundbreaking approach promises phenomenal scaling potential, high acreage efficiency, and drastically reduced operations and maintenance costs for floating wind installations.





wallaby boats

INNOVATION TAKES THE SEAS: LAUNCHING THE FIRST WB-18 CTV BY WALLABY BOATS GMBH

In a historic moment, Wallaby Boats GmbH marked the world premiere of their groundbreaking WB-18#001 vessel with a traditional ceremonial launch at Hitzler Werft GmbH in Lauenburg / Elbe on March 21, 2024. The event witnessed the successful entry of the new build into the water, symbolizing a significant milestone in maritime innovation.

Collaborating closely with Hitzler shipyard, Wallaby Boats meticulously crafted the hull of the WB-18#001, weighing over 50 tons. Utilizing two gantry cranes with a lifting capacity of 32 tons each, the vessel was gracefully “flown” through the shed and placed into the shipyard’s own harbor basin amidst a large gathering of industry professionals.

This monumental achievement underscores Wallaby Boats’ commitment to pushing the boundaries of maritime technology, paving the way for a new era of efficiency and sustainability in offshore operations. Stay tuned for more updates on the WB-18 CTV’s journey as it embarks on its maiden voyage.



REVOLUTIONIZING OFFSHORE WIND OPERATIONS:

FRIEDE & GOLDMAN'S BARGERACK SOLUTION RECEIVES DNVGL APPROVAL

Friede & Goldman, a pioneering engineering and naval architecture firm, celebrates a significant achievement as its innovative BargeRack solution receives Approval in Principle (AIP) from DNV GL Noble Denton Marine Warranty Survey (MWS). This milestone underscores Friede & Goldman's unwavering dedication to revolutionizing offshore energy operations through cutting-edge technology and enhanced safety measures.

The BargeRack solution is a game-changer in the offshore wind industry, designed to streamline and improve the efficiency of feeding offshore wind turbines. With rigorous evaluation and certification by Noble Denton marine services, the BargeRack has been recognized for its exceptional safety, reliability, and performance standards.

Key features of the BargeRack solution include:

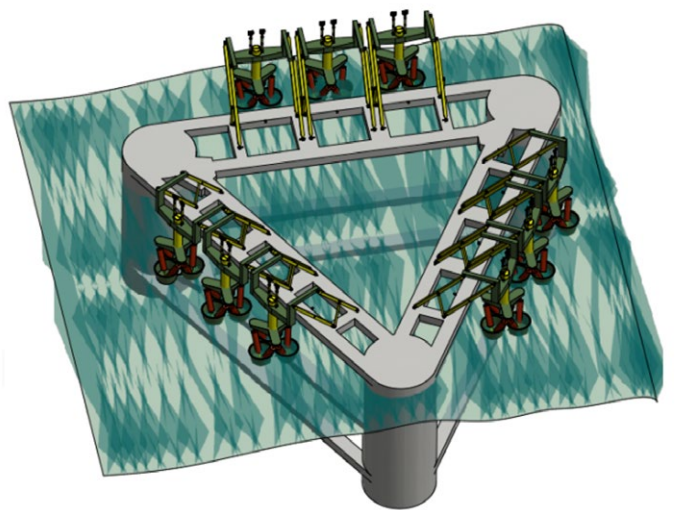
- Jones Act Compliance: Promoting the utilization of the existing Jones Act compliant tug and barge fleet.
- Enhanced Safety: Eliminating hazardous offshore crew transfers, thereby significantly enhancing operational safety.
- Efficient Operations: Facilitating direct lifting of Wind Turbine components from a fixed deck to the foundation, reducing redundant handling and streamlining installation processes.
- Innovative Design: Featuring a state-of-the-art side-mounted configuration with an integrated deck skidding system for optimized space utilization.
- Universal Compatibility: Engineered to accommodate most existing barges without major modifications, allowing for broad retrofit application across the global Wind Turbine Installation Vessel fleet.



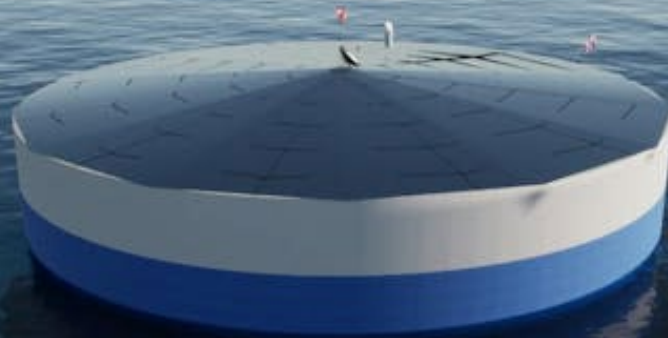
REVOLUTIONIZING OFFSHORE ENERGY:

WAVEHEXAPOD TECHNOLOGY UNVEILED

Discover the groundbreaking WaveHexapod technology, a revolutionary advancement in offshore energy generation. Consisting of 6 generators on 3 buoys, the WaveHexapod harnesses the power of ocean waves in a 3D movement, converting it into electricity through innovative submersibles and anchor cables.



With its unique design, the WaveHexapod maximizes energy output by leveraging existing wind farm infrastructure, increasing energy production by up to 4 times annually. Whether deployed in old or new wind farms, this technology utilizes the existing cabling, making it a sustainable solution for both brownfield and greenfield projects.



PLOTTEC

ADVANCING RENEWABLE ENERGY: FLOATING OTEC PROTOTYPE BEGINS TRIALS OFFSHORE THE CANARY ISLANDS

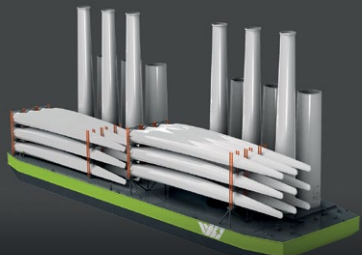
Exciting news in renewable energy as seven European partners embark on developing an Ocean Thermal Energy Conversion (OTEC) platform. The scaled prototype, part of the EU-funded PLOTTEC project, will undergo year-long trials offshore the Canary Islands, with fabrication underway for deployment near Spain.

This innovative structure will pioneer floating OTEC technologies in harsh weather conditions, including hurricanes and severe storms. Consisting of a cylindrical hull, cold-water riser pipe, and gimbal connecting point, the prototype is designed to withstand the Atlantic Ocean's challenges.

Fabrication is in progress, with AGRU crafting the cold-water riser pipe and Hidramar Shipyard constructing the cylindrical hull. Upon completion, the platform will undergo rigorous testing to ensure functionality and resilience.

The project consortium includes Global OTEC, Cleantech Engineering Limited, WavEC Offshore Renewables, PLOCAN, Quality Culture, Agru Kunststofftechnik Gesellschaft, and the University of Plymouth School of Engineering. Lead engineer Sam Johnston expresses anticipation for testing the prototype's capabilities in extreme conditions.

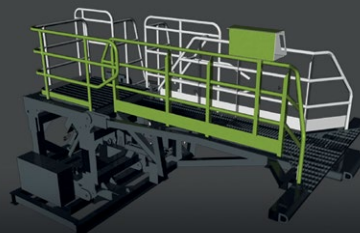
OFFSHORE EQUIPMENT



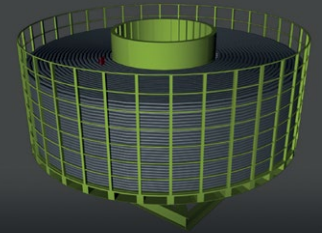
BARGE / PONTOON



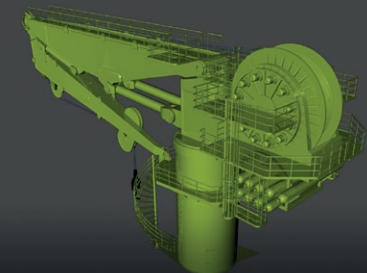
ACCOMMODATION MODULE



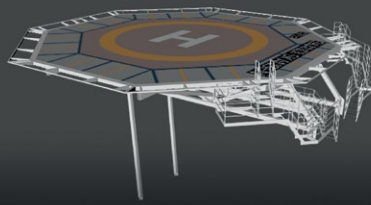
TRANSFER SYSTEM / GANGWAY



CABLE CAROUSEL / TURNTABLE



CRANE



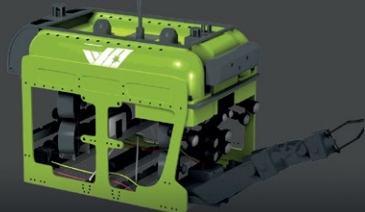
HELICOPTER DECK



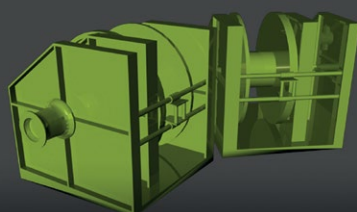
OFFSHORE CONTAINER



CABLE INSTALLATION EQUIPMENT



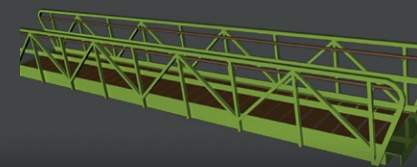
REMOTE OPERATING VEHICLE (ROV)



MOORING SYSTEM / WINCH



A-FRAME



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