PROVENCE'S FIRST GRAND LARGE OFFSHORE WIND TURBINE TAKES ITS STAND IN FRANCE

The Provence Grand Large Offshore Wind Farm Welcomes the First Siemens Gamesa 8 MW Floating Turbine near Port-Saint-Louis-du-Rhône, France.

Following the assembly of the turbine and its flotation system, the first Provence Grand Large wind turbine departed Quai Graveleau in Fos-sur-Mer, embarking on a 17 km tow from the coast to reach its designated installation site.

ROLL GROUP

ROLL GROUP AND HEBTEC ENGINEERING UNVEIL INNOVATIVE PATENTED SOLUTION FOR OFFSHORE FLOATING WIND FOUNDATION LOAD-OUT

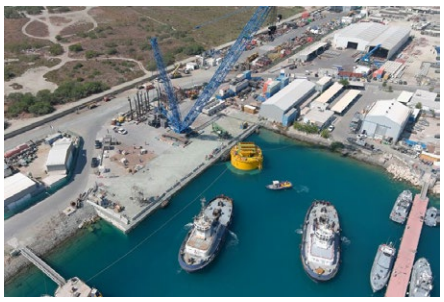
At the SPE Offshore exhibition in Aberdeen, Roll Group and Hebetec Engineering AG unveiled their groundbreaking FoWeLo solution, a collaborative breakthrough addressing logistical challenges in offshore wind construction. Guided by a strategic cooperation agreement, the partnership focuses on meeting global demand for renewable and civil construction solutions.

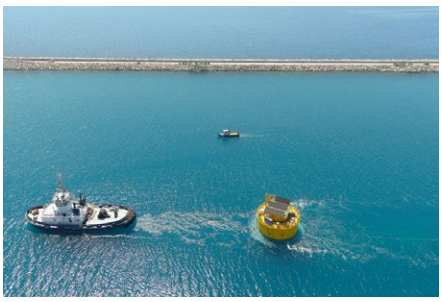
FoWeLo: Innovative Breakthrough

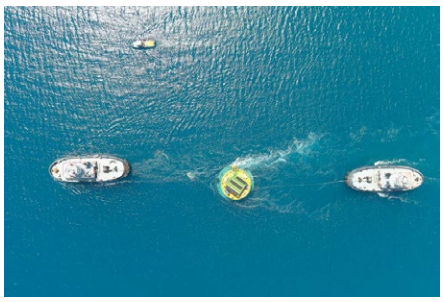
The Floating Wind Foundation Load-Out (FoWeLo) system tackles substantial costs and dependencies in loading out offshore floating wind foundations. Key features include a robust design using existing hydraulic equipment and temporary steel structures, full containerization for simplified mobilization, and environmental sustainability through the use of seawater as a counterweight.

Industry Impact

Steven Dunnewijk, CEO of Hebetec Engineering AG, sees FoWeLo as an innovative solution for an industry facing high transportation costs, particularly in regions relying on floating offshore foundations for offshore wind. Roll Group CEO Peter Rondhuis expressed delight in the collaboration, emphasizing the strategic alliance's synergies in creating an inventive breakthrough. FoWeLo leverages Roll Group's existing equipment and Hebetec Engineering AG's specialized components, making them ideal partners for this groundbreaking solution.







MULTIMARINE SERVICES LTD UNVEILS PLANS FOR CONSTRUCTING BOURBON'S FLOATING ELECTRICAL HUB (FEH) IN PARTNERSHIP WITH QAIR GROUP FOR EOLMED FLOATING OFFSHORE WIND FARM PROJECT

Multimarine's Successful Fabrication & Delivery of the FEH to the Wind Farm off Gruissan & Port-la Nouvelle, France

Multimarine recently completed the safe and timely fabrication of the FEH at their facilities in Limassol Port, Cyprus. This is a significant achievement for the company, as they continue to establish their reputation for delivering specialized and complex projects to the Energy and Renewable Industries. The successful completion of this project also highlights the strategic importance of Limassol Port and Cyprus in the regional and international offshore development projects. Renos Phokas, Group CEO, stated that Multimarine aims to be a leading contractor in renewable energy and is enthusiastic about their participation in upcoming renewable energy projects.

STILLSTROM A/S AND NORTH STAR COLLABORATE TO DRIVE VESSEL ELECTRIFICATION AND OFFSHORE CHARGING IN THE OFFSHORE WIND INDUSTRY

Leading offshore charging solutions provider Stillstrom and the UK's foremost offshore support services vessel operator, North Star, have signed an MoU to hasten the adoption of offshore charging and vessel electrification for Service Operation Vessels (SOVs) in the offshore wind sector.

Under the MoU, Stillstrom will showcase how its charging solutions can enhance North Star's growing SOV fleet operations, enabling wind energy-powered recharging while in the field. The collaboration aims to significantly decarbonize offshore wind operations, delivering a compelling business case.

North Star, leveraging its vast offshore operations experience, will provide insights into vessel integration with charging units, supporting the industry's transition to cleaner and more sustainable practices.

Matthew Gordon, CEO of North Star, expressed enthusiasm for the collaboration, stating, "Working with Stillstrom aligns with our commitment to minimizing environmental impact. We look forward to exploring and implementing advanced charging and electrification solutions to optimize vessel performance and reduce our carbon footprint."

The partnership reflects a shared commitment between Stillstrom and North Star to promote sustainable practices within the offshore wind industry, advocating for hybrid and full-electric vessels and charging solutions to enable decarbonized operations and improved efficiency.

C4 WAVE ENERGY CONVERTER SUCCESSFULLY DEPLOYED BY CORPOWER OCEAN

CorPower Ocean Makes Strides in Wave Energy Technology with Commercial Scale Wave Energy Converter (WEC)CorPower Ocean - a wave energy converter (WEC) firm - has achieved a significant milestone in the wave energy technology sector by successfully installing its first commercial-scale WEC in Northern Portugal. The CorPower C4 device was installed in the port of Viana do Castello before being towed to the Aguçadoura site that is located 4km offshore. The device was connected to a pre-installed UMACK anchor on the seabed and then connected to the Portuguese national grid via a subsea export cable. Subsequently, the device will undergo a commissioning programme and testing of operational modes. This will include testing of Operations and Maintenance (O&M) methods for offshore service access, device retrieval, and tow-back to the on-land service base in Viana do Castelo.

The C4 device incorporates breakthrough technology that unlocks the full potential of wave energy at utility-scale. This includes intrinsic storm protection for extreme conditions and phase control technology for maximising power capture in regular sea states. Wave energy has the potential to play a crucial role in stabilizing our energy systems and addressing climate change, as it offers a consistent power profile that can be available every day of the year. CorPower Ocean has reached the final stage of a structured 5-stage product verification process that started in 2012. The goal is to make wave energy a bankable technology that can be deployed on a large scale in the years to come.

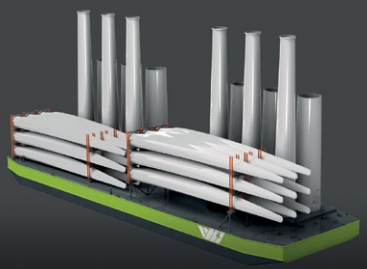
The Hiwave-5 Project is funded by the Swedish Energy Agency and Portugal 2020 through AICEP Global (Norte2020) and CCDR-N, with financial support from EIT InnoEnergy, the European Commission, Wave Energy Scotland, CoreSpring New Technology, ALMI Invest Greentech, SEB Greentech VC, and additional private investors. CorPower Ocean is receiving wide support from utilities and project developers, including EUSCORES project partners ENEL Green Power, EDP, and Simply Blue Group, in efforts to bring wave energy technology to a bankable product offering.

ENERGY TRANSITION:
EU BACKS NEW PROTOTYPE OF WAVE POWER PLANT

A German consortium comprising of the University of Applied Sciences Kiel (FH Kiel), German Naval Yard, and Thyssenkrupp Marine Systems has developed a wave energy prototype. The project, partially funded by the European Regional Development Fund, aims to generate electricity on a larger scale using wave energy. The prototype was created by apprentices working in conjunction with FH Kiel. The technology could potentially be used in offshore wind parks alongside wind turbines. The European Regional Development Fund has contributed €593,308 to the project.

GRS OFFSHORE RENEWABLES

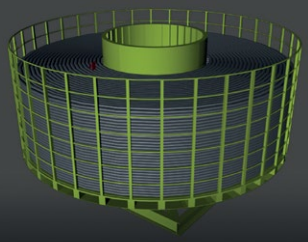
OFFSHORE EQUIPMENT



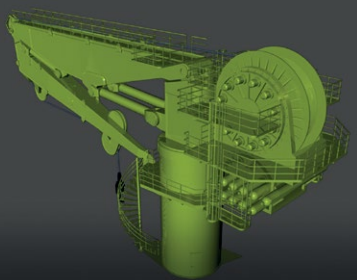
BARGE / PONTOON

ACCOMMODATION MODULE

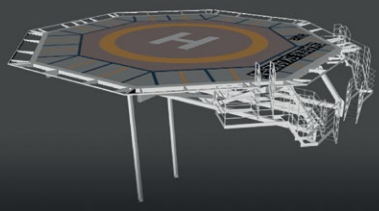
TRANSFER SYSTEM / GANGWAY



CABLE CAROUSEL / TURNTABLE



CRANE

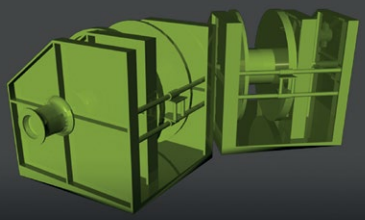


HELICOPTER DECK

OFFSHORE CONTAINER

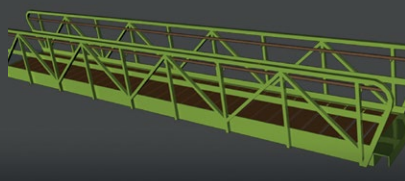
CABLE INSTALLATION EQUIPMENT

REMOTE OPERATING VEHICLE (ROV)



MOORING SYSTEM / WINCH

A-FRAME



MISCELLANEOUS EQUIPMENT

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GRS.OFFSHORE RENEWABLES GMBH
– STADTHAUSBRUECKE 7 – 20355
HAMBURG

MANAGING DIRECTOR:
P. SCHOENEFELD, M. MROSS, E. RAVANO, G. RAVANO

COURT OF REGISTRY:
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