

Azelio signs agreement with ALEC Energy to set up renewable energy storage site in Masdar City

The preparation for Azelio's energy storage installation in Abu Dhabi is progressing according to plan. The project has reached an important milestone in a signed agreement with ALEC Energy to prepare and set up the installation site. ALEC Energy is the award-winning solar business division of ALEC Engineering and Contracting L.L.C., part of the Investment Corporation of Dubai. Azelio and ALEC Energy recently signed a Memorandum of Understanding, covering a collaboration over 49 MW installed capacity of Azelio's energy storage until 2025. James Stewart, ALEC Energy's General Manager, commented - "we are very excited about this solar storage collaboration with Azelio and are working on a number of other identified regional opportunities to introduce this innovative storage solution for larger schemes as the Azelio product moves through its structured development program." "As Abu Dhabi's home of innovation and R&D, Masdar City is proud to be the location for this pilot project that has the potential to improve battery storage capability for renewable energy projects. The success of this project could help aid a sustainable recovery following the COVID-19 pandemic and advance the energy transition around the world", said Yousef Baselaib, Executive Director of Sustainable Real Estate at Masdar.

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Taiwan offshore wind market set to grow multifold with energy transition towards sustainable power mix goal

62 | Taiwan offshore wind market is poised to witness multifold expansion to reduce its reliance on fossil fuel generation and build a cleaner sustainable power generation mixture. Taiwan is estimated to build around 15GW of offshore wind capacity by end of 2035, says GlobalData, a leading data and analytics company. The offshore wind segment has become more active since 2019. GlobalData forecasts that the country's offshore wind capacity is expected to reach over 4.5 GW by 2025, thereby expanding to 10.1GW by 2030 and reaching more than 15 GW by 2035, thus becoming the largest offshore market after China in the Asia-Pacific (APAC) region. Somik Das, Senior Power Analyst at GlobalData, comments: "Taiwan has favorable conditions for offshore wind with wind speeds of almost 10-12 m/s in the Taiwan Strait. The country drew attention of several international wind developers and investors due to its commitment to the development of offshore wind energy. Amongst them are some EU-based companies, such as EnBW Energie Baden-Wurtemberg AG, WPD offshore GmbH, Copenhagen Infrastructure Partners, and Denmark-based Orsted Ltd." To support clean energy, in 2016, the government announced to phase out nuclear power plants completely before 2025 and reach its target of 20% renewable energy supply by 2025.

www.globaldata.com

Wärtsilä's GEMS to centrally manage multi-state energy storage projects for Duke Energy

Technology group Wärtsilä has contracted with Duke Energy, one of the largest electric power holding companies in the United States, for the Engineering, Procurement, and Construction (EPC) of three battery storage facilities during the past six months. These facilities will be located in North Carolina and Indiana in the United States. Additionally, Wärtsilä's GEMS advanced energy management platform will be deployed across the utility's existing and planned battery storage sites and solar assets across six energy distribution areas. The latest order was booked with Wärtsilä in March. The projects include Duke Energy's Asheville (8.8 MW/8.8 MWh) and Hot Springs (4 MW/4 MWh with 3 MWdc/2 MWac solar generating system) project sites as a part of the utility's USD 2 billion grid modernisation program in western North Carolina, as well as Duke Energy's Crane (4.95 MW/5 MWh) project which will be in Crane, Indiana. Wärtsilä will be providing all three facilities under an EPC contract. Wärtsilä's GEMS platform was selected for its real-time control and protection, revenue stacking, and fleet visibility capabilities. GEMS will allow the North Carolina facilities to dispatch energy, provide emergency backup power, and balance the local grid, while also introducing more clean energy into Duke Energy's service territory.

www.wartsila.com/energy/



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