

DIRECTION

THE FUTURE OF WIND



Enel Green Power is the largest wind operator in Kansas and Oklahoma.
(Courtesy: Enel Green Power)

Enel Green Power acquires U.S. renewable energy developer Tradewind Energy

Enel, through its U.S. renewable subsidiary Enel Green Power North America, Inc., recently closed an agreement to purchase Kansas-based renewable developer Tradewind Energy, Inc.

Under the agreement, Enel Green Power North America purchased all of Tradewind's development platform comprising of 13 GW of wind, solar, and storage projects throughout the U.S. Shortly after the closing of Enel's purchase of Tradewind, the company signed a definitive agreement with the Macquarie Group's Green Investment Group to sell Savion, LLC, a 100 percent subsidiary of Tradewind that includes a development platform including 6 GW of solar and storage pipeline projects. The closing of the transaction with Macquarie, expected mid-year, is pending regulatory approval. Through this sale, the company is able to generate immediate returns on portions of the acquired portfolio, while retaining ownership of a strategic pipeline of about 7 GW of wind projects.

This strategic acquisition will enable Enel Green Power North America to manage all aspects of the renewable value chain in North America, from greenfield development through operations. Following the transaction, the company will integrate Tradewind's development expertise across key areas of renewable growth for the company including wind, solar, and storage.

"Through this deal, we are acquiring an experienced renewable-development company to help carry out our North American growth strategy across all technologies with even greater speed and efficiency, thereby strengthening our position in the competitive U.S. market," said Georgios Papadimitriou, head of Enel Green Power North America.

The Enel Group and Tradewind Energy, headquartered in Lenexa, Kansas, have been strategic development partners since 2006, supporting Enel's growth in the U.S. wind market. Over

the course of this partnership, Enel successfully constructed and began operations of about 3.9 GW of capacity developed by Tradewind. With this acquisition, Enel Green Power North America will further expand its presence in Kansas where the company is the largest wind operator with more than 1.4 GW of operational energy.

MORE INFO enelgreenpower.com

Visser & Smit Hanab awarded East Anglia One Cable contract

High Voltage offshore wind specialists Visser & Smit Hanab have been awarded the contract to perform all array cable terminations and testing work at East Anglia One Wind Farm.

The scope of the work entails the 66kV array cable terminations in 102 turbines, as well as the installation of the custom-designed cable management system and testing of the high voltage and fiber optic connections. In order to ensure high-quality test work, Visser & Smit Hanab (V&SH)

will deploy its own 66kV VLF/PD testing equipment.

Visser & Smit Hanab employs one of the largest teams of in-house offshore wind specialists in the industry, with expertise regarding pull-in, cable preparation, termination and testing operations, and equipment for both 33kV and 66kV installations. V&SH has an extensive track record of offshore wind high-voltage solutions at the major wind farms in North-West Europe.

"Being committed to the global energy transition, we have been focusing on offshore wind development for a decade now," said Arjan Paardekooper, general manager of Offshore Wind. "Our dedicated and skilled teams are looking forward to contributing to this major wind farm."

Offshore Termination & Testing activities are scheduled to start in the second quarter of 2019. With an installed power capacity of 714 MW, East Anglia One is expected to provide clean energy to more than 600,000 British homes by 2020.

In addition to terminations and testing, V&SH also provides services including consultancy, site inspections,



Visser & Smit Hanab employs one of the largest teams of in-house offshore wind specialists in the industry. (Courtesy: Visser & Smit Hanab)

pre-assembly of HV cable sets, testing, maintenance, fault finding, and quick response services 24/7 worldwide.

MORE INFO www.vshanab.nl

Bethany Frew elected to ESIG board of directors

The Energy Systems Integration Group (ESIG) recently announced Bethany Frew, an engineer in the Strategic



Bethany Frew

Energy Analysis Center at the National Renewable Energy Laboratory (NREL), was elected to the group's board of directors.

Frew has spent nearly 10 years building and using computational models to analyze the power system,

both as a graduate student and as a researcher at NREL. In her current role, she is engaged in a variety of power system modeling activities. She joined NREL as a postdoctoral researcher in 2014 upon completion of her Ph.D. in Civil and Environmental Engineering from Stanford University.

MORE INFO www.esig.energy

Uptake's AI recognized for revolutionizing energy sector, more

Industrial artificial intelligence leader Uptake was recently named as a 2019 New Energy Pioneer by Bloomberg New Energy Finance (NEF). The award is in recognition of ground-breaking companies that are fueling the transition to a lower-carbon economy and bringing new ideas for business models, technologies, market structures, and commercial opportunities.

With the massive amount of data generated by industrial machines, companies are increasingly searching for simple ways to turn this data into action that improves their bottom line. Using artificial intelligence and data science, an intelligent industrial platform turns machine data into insights, predictions, and recommendations.

With insights, people can improve all aspects of industrial performance, make better-informed decisions that affect both topline and bottom-line financials, and help optimize the overall business. Uptake's APM software improves productivity and efficiency by leveraging artificial intelligence (AI) to create business value from operational data.

Traditional asset management only covers routine maintenance tasks and fails to anticipate and adjust to the ways industry operates its business. ↲

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