

MANUFACTURING

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Vestas Wins Order for the Largest Wind Park in Greece

Eltech Anemos S.A. recently placed an order for 90 MW of V136-3.45 MW turbines delivered in 3.6 MW power optimized mode. The park will be the largest in Greece and the first in the country featuring the V136-3.45 MW.

Vestas will supply and install 25 turbines delivered in 3.6 MW power optimized mode. The turbines will be installed at the Kassidiaris wind park complex in the region of Epirus in northwestern Greece.

“Vestas has shown great understanding of the project’s specific requirements and provided their latest technology, solutions, and wind expertise to achieve the best returns,” said A. Fragoulis, technical director of Eltech Anemos S.A. “By using the V136-3.45 MW in its 3.6 MW power optimized mode, the project will exceed the initial target for performance and benefits.”

The contract comprises supply and installation of the wind turbines as well as a 20-year active output management 4000 (AOM4000) service agreement to optimize energy output at all times. Delivery of the wind turbines is expected to begin in the first quarter of 2018.

“Building the largest wind park in Greece underlines Vestas’ market-leading position, and we are pleased to partner with Eltech Anemos S.A. once again for another landmark project,” said Marco Gra-



Vestas will supply and install 25 turbines delivered in 3.6 MW power optimized mode. (Courtesy: Vestas)

ziano, president of Vestas Mediterranean. “By introducing the V136-3.45 MW to the Greek market in 3.6 power optimized mode, we are also raising the bar for energy output in the market, and I am confident the Kassidiaris project will strengthen our partnership even further.”

In 2015, Vestas signed the 40 MW Lyrkio project with Eltech Anemos S.A. and has installed a total of about 1.3 GW of wind turbines in Greece. ✎

Source: Vestas

For more information, go to www.vestas.com

“ Building the largest wind park in Greece underlines Vestas’ market-leading position. ”

Senvion Signs Agreement for First Offshore Wind Farm in the Mediterranean

Senvion, a leading global manufacturer of wind turbines, was appointed by Beleolico Srl to be the supplier for Taranto wind farm. Taranto will be the first offshore plant in the Mediterranean Sea, with a total rated power of 30 MW. The project will feature 10 Senvion 3.0M122, each with a hub height of 100 meters.

The turbines will be in front of Taranto harbor in the Apulia region (Southern Italy), in a water depth of four to 18 meters. Delivery and installation of the turbines is planned for summer 2018, while their commissioning is expected in fall 2018. Jointly with the turbines supply and installation, the agreement foresees a 25-year full maintenance service contract for the Taranto wind farm.

“We thank Belenergia for the trust in our technology for this project which further strengthens the Senvion relationship with Italy

and the Apulia region in particular,” said Carlo Schiapparelli, managing director of Senvion Italia. “We are proud to contribute our experience to the construction of the first Italian offshore wind farm. Senvion has always been a pioneer in offshore wind energy, and we are now continuing this path in Italy. With the very specific requirements on the turbines, Senvion combined its offshore experience and its onshore expertise on the 3.XM machine to provide the ideal turbine for the Mediterranean Sea.”

“Belenergia has been investing in the offshore wind project of Taranto since 2012,” said Jacques Edouard Lévy, CEO of Belenergia SA. “After a long administrative and engineering gestation, we are happy to enter into the industrial phase, with the help of our local and international design engineering firms (Studio

Severini, IA.ING, Deutsche Offshore Consult GmbH) and naturally, the strong support of Senvion. Belenergia is well aware that this is a first offshore plant in the Mediterranean Sea, with specific challenges to meet. But thanks to the upstream initial works, we are quite confident that this new venture will be an industrial success that both our investors, but also our Italian and European partners, will be proud of, both from a technological dimension and for its ecological impact.”

Active in the Italian market since 2004, Senvion has installed nearly 940 MW in the country, producing almost all the necessary steel towers in the Apulia region at Leucci Costruzioni facilities in Brindisi. ↪

Source: Senvion

For more information, go to www.senvion.com

Multi-Strand Aluminum Cable Offers Wind-Application Advantages

Southwire has launched a new multi-strand, high-quality aluminum cable with installation, cost, and safety advantages that make it particularly suitable for down-tower wind-turbine applications.

“The wind industry is expected to continue its robust growth as a top source of renewable energy generating capacity in the country,” said Brad Pollard, OEM sales manager. “The addition of this new down-tower cable expands our product line in a key area and demonstrates our commitment to ongoing innovation for our customers.”

Southwire’s aluminum down tower cable is composed of three layers:

- 8000 series aluminum conductor per ASTM B800, Class C compact strand per ASTM B801 or single input wire stranding per

ASTM B836.

- Mylar binder tape.
- Two-layer composite wall insulation, with an EPDM (ethylene propylene diene monomer) inner layer and a CPE (chlorinated polyethylene) outer layer.

Benefits of the Southwire cable include:

- Ease of installation. The multi-strand aluminum cable is more flexible than similar aluminum cables, which makes it easier to install. In addition, the CPE outer layer will allow clamps to grip, which also contributes to ease of installation.
- Lower cost. Generally speaking, aluminum is a less expensive metal than copper.
- Oil resistance. The product has

been tested to common oils used in wind turbines per manufacturers’ requirements in Southwire’s labs.

- Increased safety. Because of its flexibility, the cable can be connected to the electrical access boxes inside a tower without having an extra splice and connector, eliminating excess cutting.

America’s wind industry recently recorded its best start in eight years, installing 908 utility-scale turbines and switching on more megawatts in the first quarter of 2017 than the first three quarters of 2016 combined, according to a recent report from AWEA. ↪

Source: Southwire

For more information, go to www.southwire.com