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## **GE's Vortex Generators enable Valeco Group to improve production at its Champs Perdus wind farm by 1.5%**

With an independently validated optimization of 1,5%, GE's Vortex Generators prove an excellent investment for customer Valeco Group. Confident in their technology, GE now has independent validation of their Vortex Generators from iSpin's precise wind measurements. Furthermore, Valeco Group can confidently invest in further wind farm optimization.

Concerned about maximizing the production of its Champs Perdus wind farm (Somme-80, France), the Valeco Group has chosen to deploy the vortex generators offered by turbine manufacturer GE. These are small fins installed on the surface of the blades, which increase their lift and therefore improve the electricity production of the wind turbine.

To validate the relevance of its investment, Valeco Group used the iSpin technology of ROMO Wind, in order to verify the impact in terms of production gain of the Vortex Generators on a first wind turbine in the park. The 4-month measurement campaign thus carried out made it possible to demonstrate a 1.54% improvement in production on the GE machine equipped with Vortex Generators.

Valentin Odoul, Valeco Group Performance Manager, explains "Constantly seeking to optimize the performance of our wind farms, GE's innovative solutions always arouse our greatest interest. However, before deploying this innovation across the fleet, it was essential for us to validate the benefits on a first machine. The results obtained further confirm the relevance of our investment and allow us confidently plan the deployment of this innovation on the other wind turbines of the park. "

Matthieu Lemberger, Service Sales Manager of GE, adds "Even if we are fully convinced of the relevance of the innovative solutions that we offer to our customers based on the significant amount of Vortex Generators installed across our fleet, there are cases where customers require an assessment provided by a 3<sup>rd</sup> party to demonstrate the outcomes with the highest accuracy. The use of ROMO Wind's iSpin technology on this project provides proof to Valeco Group of the real production gain generated by our Vortex Generator solutions."

For Guillaume Steinmetz, Business Manager of ROMO Wind in France "Today, wind farm operators can choose between many different solutions for optimizing machine performance, each promising significant gain. It is essential for them to be able to validate these gains. This is precisely what our iSpin technology enables, by offering total transparency on the wind conditions for each wind turbine, and therefore unparalleled precision on their power curve."

**About Valeco Group:** Subsidiary of EnBW, one the main energy providers in Germany and Europe (4 398 MW of assets in operation), VALECO is among the top 10 renewables operators on the French market. Based in Montpellier for 25 years, the company has almost 200 employees and work on all the value chain in France and worldwide: from identifying proper sites to selling renewable electricity. As of December 31st, 2019, Valeco has an installed power of 415 MW (343 MW of onshore wind, 72 MW of solar) as well as a pipeline of projects of 1 700 MW. Valeco generated a turnover of 54 million euros in 2019.

More information at <https://groupevaleco.com/>.

**About GE Onshore wind energy digital services:** As wind turbine providers, we offer flexible and customized onshore wind operations and maintenance support to fit your specific wind farm asset management needs. We offer tiered levels of onshore wind turbine services, from remote monitoring and full plant maintenance to a wide range of performance-enhancing upgrades to keep your turbines running smoothly. Whether you are looking for support with unplanned maintenance or are interested in upgrading your farm or fleet with our digital applications, we can provide customized onshore wind turbine services.

**About ROMO Wind:** ROMO Wind AG is a Danish-Swiss company backed by renowned shareholders and investors, such as Yellow & Blue and ABB. ROMO Wind focuses on optimizing the production of wind farms in operation, by reducing mechanical loads and by accurately assessing the wind conditions on site. The company uses the patented iSpin technology for this. ROMO Wind is based in Zug (Switzerland) and further established in Denmark, France, Germany, Italy and Spain.

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