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iSpin/ROMO Wind: Independent data expert once again acknowledges the importance of correcting yaw misalignment on wind turbines

Last year the iSpin technology from ROMO Wind allowed the identification of important yaw misalignments on 7 out of the 11 turbines of Monts Bergerons (Somme-80) wind farm, operated by the company EOS Wind France.

Once these yaw errors corrected on the turbines, EOS Wind France launched a constructive exchange, in close collaboration with the OEM, ROMO Wind and an independent expert in data analysis. EOS Wind France therefore assigned the task to WinDataMax, in order to verify the impact of these corrections on the performances of the wind turbines, based on a methodology discussed and approved by all four companies.

François Nanot, Managing Director of WinDataMax, described the outcomes: “Following EOS Wind France’s request, we have conducted a performance review on Monts Bergerons wind farm after correction of the yaw misalignments. This study clearly confirmed that this correction does lead to an improvement of the turbine production, proportional to the \cos^2 of the yaw misalignment angle. We therefore recommend all wind farm operators to check that their turbines always properly face the wind.”

Guillaume Steinmetz, Business Manager of ROMO Wind in France, adds: “It is much appreciated for us to see independent and qualified experts like WinDataMax further confirming all the positive results that ROMO Wind has already been obtaining on so many wind farms for several years. This further validate the added value that we endeavour to provide daily to all our customers operating wind farms. The optimization potential is high and we therefore highly recommend wind farm owners to further care about the issue.”

The iSpin systems will now remain deployed on Monts Bergerons wind farm until the 15th year of operation, in order to properly monitor any potential evolution of yaw misalignments and performances on these turbines.

More than 100 turbines have already been equipped with the iSpin technology throughout France, so far. This deployment keeps on speeding up, with wind farm operators now willing to acquire ROMO Wind’s measurement systems for long term monitoring of the actual wind conditions seen by their assets at hub height and 360° around.

About WinDataMax: WinDataMax is an expert in wind farm data analysis, offering mainly periodic monitoring and performance assessment of wind farms, based on all SCADA data available (alarms, warnings, event logs, temperatures, curtailments, etc). Every single underperformance or discrepancy is therefore detected and can be corrected in a preventive way, before the appearance of turbines stops, important losses or strong damages.

About ROMO Wind: ROMO Wind AG is a Danish-Swiss technology company who specialises in optimising the productivity of wind turbines, reducing loads and accurately calculating on-site wind conditions, using the patented iSpin technology. ROMO Wind is supported by renowned investors and shareholders such as Yellow & Blue and ABB. ROMO Wind has its headquarters in Zug, Switzerland and has regional teams in Denmark, France, Germany, Italy and Spain.

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