Hamburg, Germany 24/11-2020

Building authority cancels curtailment demands for German wind farm

Wind farm owners celebrate as their wind turbines are no longer subjected to excessive curtailment regulations and have increased the AEP with over 17%

Measurements based on spinner anemometers and processed by an independent third-party consultant spoke for themselves: The wind farm was over-curtailed which lead to a lot of wasted production potential.

By accurately measuring the turbulence intensity at hub height using the iSpin annemometers, in this German wind farm it was possible to reduce curtailment obligations to "zero" without without sacrificing turbine lifetime.

In the first five months of operation without curtailment, the farm has already produced 276,6 MWh more, which amounts a 17% increase in production. Based on a feed in tarif of e.g. 6ct / kWh this would lead to an extrapolated yearly increased remuneration of more than 39.000€.

With solid proof of the turbulence intensities affecting the turbines, the curtailment regulations where amended by the building authority, in the light of the findings of the project.

“We are really pleased with our iSpin systems” wind farm Managing Director Bettina Fey professes “Our assumption that the curtailment sectors are unnecessary was confirmed by the results of the iSpin measurements. An independent expert has processed these data and we have successfully gotten the excessive shutdowns eliminated and are now no longer subject to baseless curtailment regulations. We can now operate our wind farm much more economically having gained over 17% production increase.”

“We are thrilled” says ROMO Wind Sales Manager Marcus Müller “These findings are not only good for our German customer but can set a presidence for similar cases all over the world. With accurate measurements it is possible to prove whether a turbine is really preforming its best under safe circumstances”

ROMO Wind AG is the exclusive provider of the iSpin spinner anemometer. The unique iSpin technology measures wind where it first hits the wind turbine, at the hub directly in front of the rotor. With the iSpin technology, ROMO Wind enables manufacturer-independent performance monitoring, targeted load reduction and insights into flow inclination, turbulence intensities and actual wind conditions in all sectors. Operators of wind farms can thereby identify the real earning capacity of their turbines. ROMO Wind AG, headquartered in Einsiedeln, Switzerland, is represented by regional teams in Denmark, France, Germany, Italy and Spain.

Contact ROMO Wind:
Marcus Müller
Head of Sales Germany

mmu@romowind.com
+49 160 9466 9434

Further information on iSpin technology and images for free editorial use: www.romowind.com