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Bankable standalone wind data with SoDAR

Founded in 2011, Klämman Vind AB is a Swedish wind developer owned by two public utilities along with a group of other companies and private investors. Project Klämman, was completed in late 2015 and raised two Vestas V126, 137m hub height wind turbines each with a power output of 3,3MW.


Klämman Vind

Klämman Vind AB

The project was led by Hans Svensson and with his expertise he efficiently represented all the stakeholders at all phases throughout the project. His management allowed for a fast process after a building permit was submitted in spring 2014.

An initial decision was which type of measurement system would be most suitable for the project, with serious consideration as to what the banks and the turbine manufacturer would accept as valid measurements. This decision was critical as only one measurement technology would be used.

After weighing the advantages and disadvantages between the different options, it was decided that the AQ500 SoDAR from AQSystem was the best choice.

A small cost with great benefits according to Hans, who will continue to use SoDAR in future projects.

"For us the choice of choosing AQ500 was clear and we are very satisfied with the results from the SoDAR measurements."

Hans Svensson - Project Manager

"AQ500 allows us to measure the wind at all heights up to 200m which is useful when estimating the energy output. Had we used a 100m met mast we would have to extrapolate with increased uncertainty. SoDAR is also a lot cheaper than a met mast, and easy to transport and required no permit to install. We used AQ500 for one year and both banks and turbine developers were satisfied and accepted the data."

Jonathan Hjorth - Wind Analyst

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