

CASE STUDY 2

180 MW Windfarm, Hammerfest Norway, Wind Measurement Campaign



This project is a joint venture between Fred Olsen Renewables and Finnmark Kraft AS. It is located in the municipality of Kvalsund, County of Finnmark. Based on a 180 MW layout, the production is estimated at 558 GWh, corresponding to the electricity consumption of roughly 27,900 Norwegian households.

Kintech Engineering was appointed by a consultant to supply instrumentation and installation of a 80 m wind measuring mast in Falesrassa 1 Wind Farm near Hammarfest, Norway. The area is cold climate and icing conditions are severe.

The EOL Zenith data logger was used for collecting the wind data and equipped with an intelligent monitoring system for turning the heating of the ultrasonic sensors on/off depending on local temperature and humidity.



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