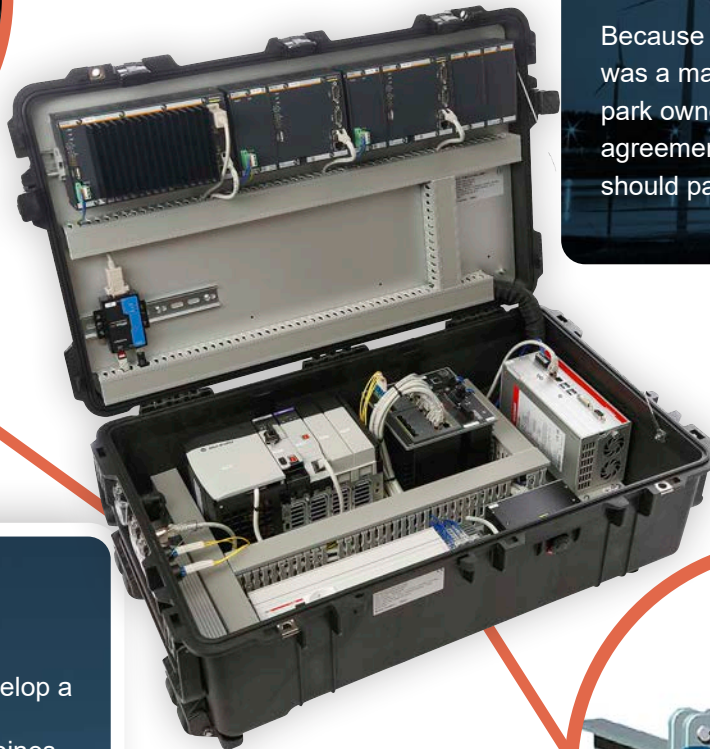


Yaw System Breakdown on Offshore Wind Turbines

Amount saved for the wind park owner: 50.000 Euro per wind turbine



The Case

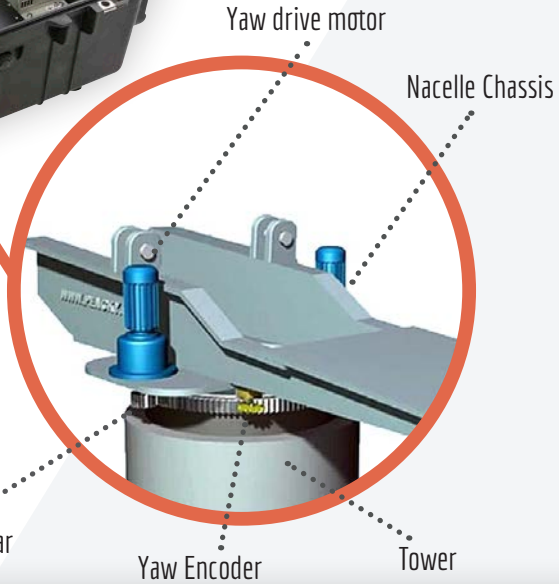
The yaw system was repeatedly damaged in some of the wind turbines.

Because there was no evidence that it was a manufacturer fault, the wind park owner was unable to come to an agreement with the OEM on who should pay for the damage.

The Solution

Spica Technology was asked to develop a custom made mobile data collection solution and install it in 5 of their turbines.

This enabled the park owner to measure critical and additional data not available through the original SCADA-system



The Result

The data showed that in high winds the wind turbine was yawing out of the wind and thus putting too much pressure on the yaw brakes.

The OEM had to pay for the damages on the turbines.