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Wind turbines monitoring

INDUSTRY: Green Energy
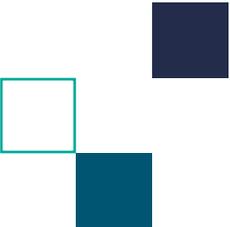
Problem

Our customer operating in the green energy sector was struggling with operational efficiency, so automating tasks due to limited workforce availability was an obvious way for him.

Solution

To achieve that, we helped them to build their command streamlined towards the devices and integrate everything into central IoT solution. Previously their operators had to switch to different applications and different technologies to issue commands because some of the wind fleet equipment was even 25 years old.

Once we integrated all of that into a single solution, it has become a matter of clicking on the dashboard to stop the turbine or execute a procedure. That brings higher efficiency in terms of handling alarms by the operators. On top of that we also used the streaming analytics solution to automate certain actions.

Benefits

Now when an event reaches the platform, it is compared with the enterprise knowledge and automated actions are issued. For example, the "stop" command is sent automatically in case of critical alert that may lead to device destruction. The alert is received at instant and the "stop" command is sent straight away.