

IBM Watson Internet of Things Technology Helps Fingrid Keep Power On

EXECUTIVE SUMMARY

Fingrid, Finland's main electricity transmission grid operator, used IBM Watson Internet of Things (IoT) technology to help drive transformation in the electricity industry and ensure uninterrupted service for customers

"Today's power systems are getting more and more complex. At the same time as there is a growing requirement that power must be available all the time. We must therefore be able to do fast large-scale fault investigation thereby reducing the impact on people and businesses all over Finland,"

- o Marcus Stenstrand, grid manager at Fingrid Oyj

THE CHALLENGE

"We realized that we needed to combine near-real-time big data analytics with external factors such as weather to increase the reliability of the grid and ensure the highest levels of service for our customers"



THE SOLUTION

IBM's IoT based solution increases the automation of the system helping Fingrid to quickly identify issues and optimize maintenance scheduling and management. In addition, by connecting asset information with geographic location and financial data, the company can use sophisticated graphical visualizations to better understand maintenance and operating costs.

RESULTS

Fingrid's IBM Internet of Things (IoT) solution has system modules are connected to one another in a flexible manner ensuring the integrity of data moving between them. The ELVIS (an acronym of Electricity Verkko Information System) solution combines IBM Maximo software with other mission-critical systems, including ArcGIS mapping software from ESRI, and Primavera Enterprise Project Portfolio Management from Oracle.



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