



Case Study: Energy & Utilities, Industrial Internet of Things

The New Energy Economy

North American Electric Utility embraces edge computing and cloud connected technology to provide low cost, data rich, visibility and control of energy asset fleet.

Historically, electric utilities have relied on SCADA based communication and control systems for energy asset management. However, these solutions are costly and not fit for purpose with the growing trend of smaller distributed generation sites.

As utility customers continue to adopt grid edge technologies like solar, electric vehicles, and batteries, electric utilities need to bring solutions to the table or risk customer defections and departed load. With unprecedented competition from alternate energy providers, it is more important than ever for utilities to embrace new technology to lower costs, add new feature sets, increase data gathering and streamline fleet management of customer sites.

KEY OUTCOMES

- Deployed system costs were reduced by as much as 10x over traditional SCADA solutions
- The project brought a cultural shift to align IT and OT departments for cloud based asset management.
- Business algorithms were deployed to the grid edge to enhance energy asset return on investment

PROJECT SUMMARY

A North American utility needed to lower its cost of energy asset deployments while also enhancing live data capture and control of existing sites. CLOCworks helped the utility client create a fleet management system in the cloud with grid edge controls.