Seeq case study

Seeq enables advanced analytics for a major oil and gas organization, cutting data analysis from 4 months to 30 minutes with Microsoft Azure

Data analysts struggle to monitor and analyze complex data sets

Data scientists and engineers need to perform self-service analytics on complex operations and environmental data to reach sustainability goals and pave the path to a net-zero future.

Seeq lets experts speed proactive analysis with Microsoft Azure

Seeq enables advanced analytics for process manufacturing data, industrial time series, IoT, and contextual data by leveraging Microsoft Azure machine learning and data products.

Subject matter experts drastically cut processing time with Seeq analytics

Previously, a product manager needed four months to analyze refinery data. With Seeq, the refinery cut analysis to 30 minutes and enabled a productive switch from reactive to predictive analysis.

Microsoft

Seeq, a Microsoft Partner pairing innovation in advanced analytics with the secure cloud services of Microsoft Azure

Founded in 2013, Seeq Corporation creates software for process manufacturing organizations to rapidly find and share data insights. Petrochemical, pharmaceutical, specialty chemical, utility, renewable energy, and numerous other vertical industries rely on Seeq to improve production outcomes, including yield, margins, quality, and safety. A 2020 Microsoft Energy Partner of the Year Finalist, Seeq's vision is to help companies that are data rich, information poor (DRIP) by closing the gap between advancements in big data and machine learning and the software available to engineers and plant employees.

A Microsoft Energy Core partner, Seeq delivers innovation as features in easy-to-use, advanced analytics applications built on Microsoft Azure. Seeq accesses industrial time series, IoT, and contextual data from historians, the Azure data platform, and business systems. With native connectors for Azure SQL, Azure Data Lake Storage, Azure Synapse Analytics, and more, Seeq enables data scientists to collaborate with environmental engineers and use Azure ML techniques to reduce emissions, improve energy consumption, and curtail waste. Seeq analytics can be exported to Microsoft Power BI and used to create automation workflows in Microsoft Power Automate.

"The move to cloud platforms for advanced analytics on large manufacturing data sets is clearly underway and will only accelerate," said Michael Risse, Vice President and CMO, Seeq Corporation. "Our goal is to ensure our customers have the advantages of Seeq insights on Microsoft Azure."

Seeq software on Azure turns time-series data into rapid insights anytime, anywhere. Seeq monitors and analyzes data, focusing on descriptive, diagnostic, predictive and prescriptive analytics. It enables analysts to take action on millions of events and shift their operations from being reactive to proactive.

Utilizing Microsoft technologies to deliver on sustainability commitments and continuously improve execution

In today's world, reaching sustainability goals is a shared effort. Using Seeq and Microsoft Azure, a major oil and gas organization democratized data access and gave subject matter experts (SMEs) the analytics tools they needed to rapidly test hypotheses and reduce environmental impact. Process engineers and SMEs were empowered to take practical action at manufacturing sites and contribute to sustainability outcomes.

"Our energy industry customers are improving sustainability and production outcomes with Seeq and Microsoft Azure to create advanced analytics insights on their process manufacturing data," said Steve Sliwa, co-founder and CEO, Seeq Corporation.

Using Seeq, one of the organization's refineries cut analysis time from four months to 30 minutes. Cloud-based access to Seeq enabled faster insights and reporting on key real-time data and resulted in predictive and root-cause analysis of assets and process outcomes, delivering on the commitment to continuously improve execution results.

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