



Improved query speeds by over 30x for an **AI based fault detection application.**

“New tools are needed for this new era of digital information overload. Rich real-time analytics presents a significant opportunity for optimizing business operations, customer engagement, and offering new services and products.”

Organization: **Provider of Advanced Data Analysis Solutions for Manufacturing**
Geography: **Global**
Industry: **Manufacturing**
Employees: **350+**

This global manufacturer is a leading provider of real-time, engineering and automation solutions for the global semiconductor and manufacturing industries for 20+ years. Its AI solutions for smart manufacturing are shaping the factories of the future, by connecting data driven manufacturing organizations with the knowledge to act.



Supporting next generation fault detection within its AI application, delivering full sensor trace analysis in real-time, 10x reduction in false alarms, and limitless modeling.



PROVIDER OF ADVANCED DATA ANALYSIS SOLUTIONS FOR MANUFACTURING

THE CHALLENGE

As a leading supplier of smart manufacturing applications, it was mission critical to find a solution to manage massive volumes of sensor data closer to real-time, and that can be easily integrated within its ecosystem of applications. They needed a solution to replace their traditional database solution, to keep up with the requirements around smart manufacturing and can integrate with its innovative AI solution. To stay competitive and expand their capabilities for its customer base they needed a database system, that manages time series data providing performance with ingestion and queries, fast analytics in real-time, the ability to work with both streaming and historical data and a scalable and interoperable architecture.

WHY KX

After extensive testing against their legacy solution, KX outperformed for queries and ingestion, while greatly enhancing the ability to scale at lower TCO. In addition, with KX they exceeded their performance requirements, by orders of magnitude faster than the alternative – saving significant capex and opex costs.

➤ **Over 30x speed improvements in queries enabling real-time action**

THE BENEFITS



Easily able to **ingest 17 Million records per second**



Over 30x speed improvements in queries enabling real-time action



Supporting **next generation fault detection**



New capabilities added for **enhanced service**