KX

Global leader in materials engineering solutions saves over 10,000 hours a year using KX
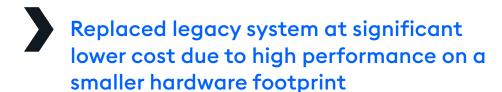
Global Product Manager

"We've revised our database architecture to include a [KX] database, a more performance based database to provide for that high speed data querying, as well as the data storage."

Organization: **Leader in Materials Engineering Solutions**
Geography: **Global**
Industry: **Semiconductors**
Employees: **22,000+**

This organization is the global leader in materials engineering solutions used to produce virtually every new chip and advanced display in the world. Its application is the most comprehensive control and productivity suite in manufacturing. It is powered by technologies that are widely proven and deeply mature in high volume factories worldwide.

> **Replaced legacy system at significant lower cost due to high performance on a smaller hardware footprint**

KX

LEADER IN MATERIALS ENGINEERING SOLUTIONS

THE CHALLENGE

For years, the semiconductor and electronics industries have looked for solutions to solve complex manufacturing problems. A key challenge is the need for faster speed-to-data. A common customers complaint is that with the explosion of data, query speeds are too slow and want to see improvements in speed to data and total cost of ownership. As an industry leader with a vast customer base, this organization proactively searched for a solution to meet customer needs.

WHY KX

Over a year, 7 vendors were evaluated across 10 different objectives to enhance its application. This was an opportunity to look beyond the scope of traditional databases and found time series databases as a preferred solution that has had a huge growth in adoption over the years. KX proprietary database is built for real-time data use cases taking advantage of a time series architecture coupled with relational database technology, a programming language to enable real-time calculations in the database, and the ability to manage both streaming and historical data in the same database. KX was selected for its superior performance results on ultra-fast speed to data, lower total cost of ownership, its ability to scale, and new user experience.

> # Improved query speeds by
> # over 50x

THE BENEFITS

10X Reduction in hardware footprint

Data in Real-Time
Enable queries for streaming and historical data in real-time

Cost savings through efficient licensing from reduced footprint