Boosting manufacturing efficiency by taking control of data growth

XIOLIFT

Major Chinese elevator manufacturer XIOLIFT improves the performance and stability of its core business systems and cuts IT costs by working with Lenovo to archive SAP data that is rarely accessed.

1

Who is
XIOLIFT?

XIOLIFT is one of the leading Chinese manufacturers of elevators, escalators, and moving walkways for residential, commercial, and industrial sites. The company provides an end-to-end service to customers, from design through to production, installation, and after-sales support. With around 7,000 employees, XIOLIFT operates an industry-leading smart factory covering more than 400 acres in Hangzhou.

XIO LIFT
西奥电梯

2

The
Challenge

XIOLIFT is growing rapidly after winning contracts to manufacture and install escalators for many major public infrastructure projects, such as the high-speed rail system linking venues at the 2022 Beijing Winter Olympics. Every project involves the creation and storage of vast quantities of documentation, including 2.5 million new bills of material (BOMs) every month, listing product components.

To manage its operations, XIOLIFT uses various core business applications running on the SAP HANA database. However, the recent growth in sales and operational data placed huge pressure on the systems, leading to major performance and reliability issues. For example, new workloads in SAP rapidly consumed physical memory resources and increased the risk of overloading the system.

To ensure that business users enjoyed fast, uninterrupted access to key data, documents, and reports, XIOLIFT aimed to increase the performance and stability of its core systems.

"At our current rate of data growth, we would consume more than 80% of all available memory in our SAP HANA environment in the next few months. We were keen to avoid investing in new hardware, so we looked to manage our data more effectively and efficiently."

Xiaoquan Wang
CIO, XIOLIFT

Archiving data to **optimize** SAP performance

To enhance its data management processes, XIOLIFT turned to Lenovo to deliver specialist technical support. The Lenovo team performed a detailed assessment and analysis of the company's critical SAP HANA landscape, before planning and implementing a series of optimizations to relieve pressure on the environment and improve operational and cost efficiency.

XIOLIFT now has a system in place to manage and regulate data volumes in SAP HANA. Lenovo deployed customized software components to move cold data, including old project documents, off the production database and into a secure archive, where users can run queries when required. Plus, XIOLIFT can now recycle BOM numbers in SAP, which were rapidly being depleted beforehand.

Services
Lenovo Managed Services for SAP HANA

> "Lenovo displayed great professionalism and expertise working with SAP systems. Our new archiving service will free up capacity and lift the strain off our SAP HANA database."

Xiaoquan Wang
CIO, XIOLIFT

3

Results

Working with Lenovo, XIOLIFT now has greater control over growing data volumes. With historic data securely archived, the company has more capacity available to accommodate new workloads in SAP HANA. And by easing the pressure on the database, XIOLIFT has improved the performance and stability of its core systems by 50%, enabling users to pull reports and run analytics jobs faster than ever, and reduced its day-to-day operational IT costs by 30%.

With a more efficient data management strategy, XIOLIFT is also better equipped to handle more large-scale projects in the years ahead—helping the company strengthen its market position.

✓ 50% increase in systems stability and performance

✓ 30% reduction in day-to-day IT operating costs

✓ Supports ongoing business growth

"

"Our SAP environment is central to many sales and production processes. Thanks to Lenovo, we can access data faster and keep manufacturing projects on schedule for our clients."

Xiaoquan Wang
CIO, XIOLIFT

Why Lenovo?

To manage the SAP HANA archiving project, XIOLIFT looked for a vendor with proven expertise working with SAP systems. And with data volumes set to rise further in the years ahead, the company wanted an effective long-term solution rather than simply a temporary fix.

Lenovo fitted the bill perfectly, as a global partner to SAP, with experience working on more than 50,000 SAP deployments worldwide and a local technical team available to plan and deliver a bespoke data management solution.

How can enterprises increase the performance of critical systems?

Taking control over growing SAP data volumes
with help from Lenovo.

Explore Lenovo Managed Services for SAP HANA