

Architecture and Construction | China

Boosting productivity with a modern SDI solution

Tai'an Yueshou Mixing Station Equipment Co., Ltd.

To boost business continuity and employee productivity, Tai'an Yueshou Mixing Station Equipment deployed a software-defined infrastructure solution based on Lenovo ThinkServer SR660 V2 servers—cutting the risk of unplanned downtime and cutting costs by 40%.



Lenovo

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Customer background

Who is Tai'an Yueshou Mixing Station Equipment Co., Ltd.?

A wholly owned subsidiary of Yueshou Construction Machinery, Tai'an Yueshou Mixing Station Equipment Co., Ltd. is a high-tech enterprise focusing on the research and development, manufacturing, and sale of concrete mixing plant equipment. Committed to providing customers with high-quality and efficient solutions for infrastructure projects of all sizes, the company's product portfolio ranges from small mobile mixing equipment to large fixed production lines.

2 The challenge

Through many years of business growth, Tai'an Yueshou Mixing Station Equipment has built up a strong position in its domestic market. To maintain this leading position, the company must steer efficient operations at every level of the business, from research and development to production planning and manufacturing.

“We use a range of IT systems to help us run our business effectively,” explains Chang Peixin, Head of the Electronic Control Department, Tai'an Yueshou Mixing Station Equipment Co., Ltd. “These systems include our ERP, product lifecycle management, and manufacturing execution systems, as well as productivity software for our offices.”

2 The challenge

In the past, Tai'an Yueshou Mixing Station Equipment ran its business applications on a traditional three-tier architecture. However, the existing servers and storage had reached end of support, and ensuring high levels of performance and availability for end users was becoming an increasingly complex and costly challenge.

“Our aging infrastructure and lack of disaster recovery capabilities presented a significant business risk. We decided to refresh our entire IT environment to deliver dependable services to the business.”

Chang Peixin

Head of the Electronic Control Department,
Tai'an Yueshou Mixing Station Equipment Co., Ltd.

3 The solution

Compact footprint, high performance

Tai'an Yueshou Mixing Station Equipment replaced its distributed server, storage, and networking equipment with a software-defined infrastructure (SDI) solution from Lenovo. Based on Lenovo ThinkServer SR660 V2 servers virtualized with AIO LHV, the new environment delivers performance, reliability, and scalability—all in a compact, easy-to-manage footprint.

“We have configured our new SDI solution as a high-availability cluster,” says Chang Peixin. “Even if a single node fails, others in the cluster will seamlessly take over—helping us to reduce business risk.”

Hardware

Lenovo ThinkServer SR660 V2
Lenovo ThinkPad L14
Lenovo ThinkPad T14
Lenovo ThinkPad X1 Carbon

Software

Lenovo XClarity

Services

Lenovo Deployment Services

3 The solution

Enhancing data protection

As well as providing high availability for mission-critical workloads, the Lenovo solution includes automated off-site backups. In the unlikely event that the company's primary data center goes offline, Tai'an Yueshou Mixing Station Equipment will be able to restore its operations from the remote site.

"By working with Lenovo, we've enhanced system stability and put in place robust data protection capabilities," Chang Peixin confirms.

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“Our Lenovo SDI solution allows us to orchestrate compute, storage, and networking as a single pool of resources, which means we can now **leverage our infrastructure much more efficiently**. We’ve already seen big improvements in application performance for our business users, helping them **work more productively**.”

Chang Peixin

Head of the Electronic Control Department, Tai’an Yueshou Mixing Station Equipment Co., Ltd.

4 The results

Today, Tai'an Yueshou Mixing Station Equipment has increased the utilization of its IT infrastructure by 50%, contributing to improved performance for mission-critical systems. And with Lenovo XClarity management software and highly reliable Lenovo ThinkServer SR660 V2 servers, the company has reduced maintenance costs by 40%.

“We’ve now been live for a year, and we’ve not experienced a single technical issue with our Lenovo solution,” says Chang Peixin. “Our business continues to grow. When we need to deploy new business applications, we can spin up new virtualized environments 75% faster with the Lenovo SDI solution.”



50% boost in resource utilization



40% reduction in management costs



75% faster IT provisioning

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“Our partnership with Lenovo has helped us greatly improve the performance, reliability, and security of our IT infrastructure—**strengthening both our business continuity and operational efficiency**. Based on the success of our data center refresh, we’ve since equipped our remote workers with Lenovo ThinkPad L14 and T14 laptops. We look forward to **deepening our collaboration** in the years ahead.”

Chang Peixin

Head of the Electronic Control Department, Tai’an Yueshou Mixing Station Equipment Co., Ltd.

Why Lenovo?

Tai'an Yueshou Mixing Station Equipment chose Lenovo for its ability to offer a holistic solution to the company's application performance, system reliability, and business continuity challenges.

“Lenovo designed a solution for the practical problems we were facing and helped us to improve the efficiency of our business,” explains Chang Peixin. “It wasn't just Lenovo's hardware that impressed us—their services are also top notch. From the earliest solution design stage to the later implementation, operation, and maintenance phase, Lenovo provided us with the support we needed to ensure a successful, long-term solution.”

How can businesses help employees work more productively?

With a Lenovo SDI solution, Tai'an Yueshou Mixing Station Equipment boosts the performance and availability of key business applications.

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