

Professional Services | China

Expanding testing services across China and beyond

Tianfangbiao Testing and Certification Co., Ltd.

To help it deliver new textiles testing services to clients across China and beyond, Tianfangbiao Testing and Certification partnered with Lenovo to redesign and refresh its data center. Powered by Lenovo ThinkSystem solutions and backed by responsive Lenovo support services, the new platform creates headroom for business expansion.



Lenovo

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Customer background

Who is Tianfangbiao Testing and Certification Co., Ltd.?

Tianfangbiao Testing and Certification Co., Ltd. (TTC), established in 2014, is a comprehensive testing group offering inspection and certification services for textiles and fabrics. With headquarters in Tianjin, China and subsidiaries in industrial hubs including Shanghai, Foshan, and Shenzhen, the company operates independent testing laboratories and serves a diverse range of industries.

2 The challenge

TTC has its sights set on growth. In the years ahead, the company plans to expand its textile testing services to include environmental testing, fire resistance, and more for clients across China and beyond. To help achieve this goal, the company first aimed to scale out the IT environment that underpins its testing equipment.

A spokesperson for Tianfangbiao Testing and Certification Co., Ltd., explains: “We use software solutions to control our testing equipment and record and analyze the results. In the past, we ran this software on physical machines. As our business grew, we added more and more machines to our data center, leaving us with an environment that was increasingly complex and costly to manage and maintain.”

2 The challenge

To lay the foundations for growth, TTC decided to refresh its data center infrastructure. The aim was to build a performant and scalable platform that would support new testing use cases while reducing management workload.

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“We were confident that moving to a virtualized environment—running on high-performance hardware—would give us the headroom we needed without driving up the complexity of IT management. Of all the vendors we assessed, we were **most convinced by the offering from Lenovo.**”

Spokesperson

Tianfangbiao Testing and Certification Co., Ltd.

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The
solution

Unlocking growth potential

Based on guidance from Lenovo, TTC selected a new infrastructure based on Lenovo ThinkSystem SR650 V3 and SR860 V3 servers connected to Lenovo ThinkSystem DE6000H storage. Virtualized with VMware vSphere, the solution includes comprehensive implementation and support services from Lenovo.

Services

Lenovo Assessment & Design
Services
Lenovo Implementation
Services

Hardware

Lenovo ThinkSystem SR650 V3
Lenovo ThinkSystem SR860 V3
Lenovo ThinkSystem DE6000H
Lenovo ThinkSystem NE1032
RackSwitch

Software

Lenovo XClarity
VMware vSphere

3

The
solution

“With a virtualized environment, we can make much more efficient use of our compute and storage resources,” explains the spokesperson. “Each of our business units has different requirements around operating systems and software, and we can easily accommodate these with the Lenovo solution.”

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“One of the key reasons we selected Lenovo was the breadth and quality of their service offering. As well as helping us design and size the new infrastructure, Lenovo gave us hands-on support with installation and fine-tuning. Whenever we encounter a technical issue, **we can count on Lenovo** to quickly give us the assistance we need.”

Spokesperson

Tianfangbiao Testing and Certification Co., Ltd.

4 The results

With high-performance, easy-to-manage Lenovo ThinkSystem solutions and responsive Lenovo support services, TTC has a solid foundation for the future expansion of its business. “By partnering with Lenovo, our IT infrastructure has become an enabler of business growth rather than a bottleneck,” says the spokesperson. “We’ve consolidated several physical machines into virtualized servers, shrinking our data center footprint and reducing our power and cooling costs substantially. Most importantly, we can now deploy the digital capabilities we need to expand our service offering.”



Reduces data center
rack space usage



Cuts data center
power and cooling
costs



Creates headroom
for business growth

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“In the past, managing so many individual physical machines was an extremely time-consuming process. With Lenovo XClarity software, we can monitor and manage our servers and storage from a central point, which massively cuts down on our administration workload.”

Spokesperson

Tianfangbiao Testing and Certification Co., Ltd.

Why Lenovo?

One of the key reasons that TTC decided to partner with Lenovo was the company's ability to offer an end-to-end solution, including hardware, software, and support services.

The spokesperson comments: "Lenovo has a strong reputation for manufacturing high-quality infrastructure solutions, but we were equally impressed with the quality and responsiveness of their services. From the very start, the Lenovo team worked closely with us to understand our long-term business goals and design a solution that met our requirements."

How can companies rapidly add new lines of business?

TTC partnered with Lenovo to expand its service offering, powered by Lenovo ThinkSystem solutions.

Explore Lenovo ThinkSystem Solutions