

Industrial Products | China

# Enabling R&D innovation with high- performance systems

AICHELIN China

To make the leap from 2D to 3D product design, AICHELIN China deployed high-performance Lenovo ThinkSystem solutions in its data center.



Lenovo

# 1

## Customer background

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# Who is AICHELIN China?

Part of the Austria AICHELIN Group, AICHELIN Heat Treatment Systems (Beijing) Co., Ltd., was founded in Beijing in 2005. As one of the world's heat treatment market leaders, AICHELIN China leverages technical experience from Austria AICHELIN to manufacture more than 1,700 types of heat treatment equipment for a wide range of industrial applications, including automotive, gears, bearings, construction machinery, aerospace, and more.

## 2 The challenge

In the early 1970s and 1980s, Austria AICHELIN started to explore the Chinese market. Four decades on, and AICHELIN China now delivers advanced solutions for clients across the country as well as exports products to Asia, Europe and the Americas. Product innovation is a cornerstone of the company's success, and AICHELIN China is continually investing in research and development (R&D).

Mr. Zhao, Information Management Manager at AICHELIN Heat Treatment Systems (Beijing) Co., Ltd., says: "We are currently driving a major digital transformation initiative, which includes moving from 2D to 3D design capabilities to enhance our R&D efforts."

## 2 The challenge

To ensure that it had the compute and storage performance to support the new 3D design application, the organization planned to replace its data center infrastructure. The project would also create the headroom to upgrade other key business applications, including the company's ERP system.

“We saw an opportunity to drive greater operational efficiency by upgrading our ERP system. Our server and storage systems were approaching end-of-life, so we were also looking for a new infrastructure platform that could meet our long-term needs.”

**Mr. Zhao**

Information Management Manager,  
AICHELIN Heat Treatment Systems  
(Beijing) Co., Ltd.



# 3 The solution

## Unlocking new design possibilities

To refresh its data centers, AICHELIN China selected high-performance Lenovo ThinkSystem SR650 V2 servers connected to low-latency Lenovo ThinkSystem DE4000H hybrid storage arrays and virtualized with VMware vSphere.

Mr. Zhao confirms: “Lenovo offered us a fast, cost-effective, and streamlined route to upgrade our data center solutions.”

### Services

Lenovo Deployment Services

### Hardware

Lenovo ThinkSystem SR650 V2 Server  
Lenovo ThinkSystem DE4000H Hybrid Storage Array  
Lenovo ThinkSystem DB610S Gen 6 FC SAN Switch  
IBM TS2900 Tape Autoloader

### Software

Lenovo XClarity  
VMware vSphere

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**“With our new virtualized infrastructure from Lenovo and VMware, we’ve gained the performance and storage capacity to deploy a next-generation ERP solution. As a result, we’re enabling our employees to use our new R&D software to the full.”**

**Mr. Zhao**

Information Management Manager, AICHELIN Heat Treatment Systems (Beijing) Co., Ltd.

# 4

The results

Today, AICHELIN China runs its core applications on Lenovo ThinkSystem infrastructure, replicated across two data centers for high availability.

“Working with Lenovo made it easy to equip our teams with cutting-edge digital capabilities,” says Mr. Zhao. “Lenovo has delivered a performant and effective platform that frees us to focus on R&D innovation.”



Boosts performance for key applications

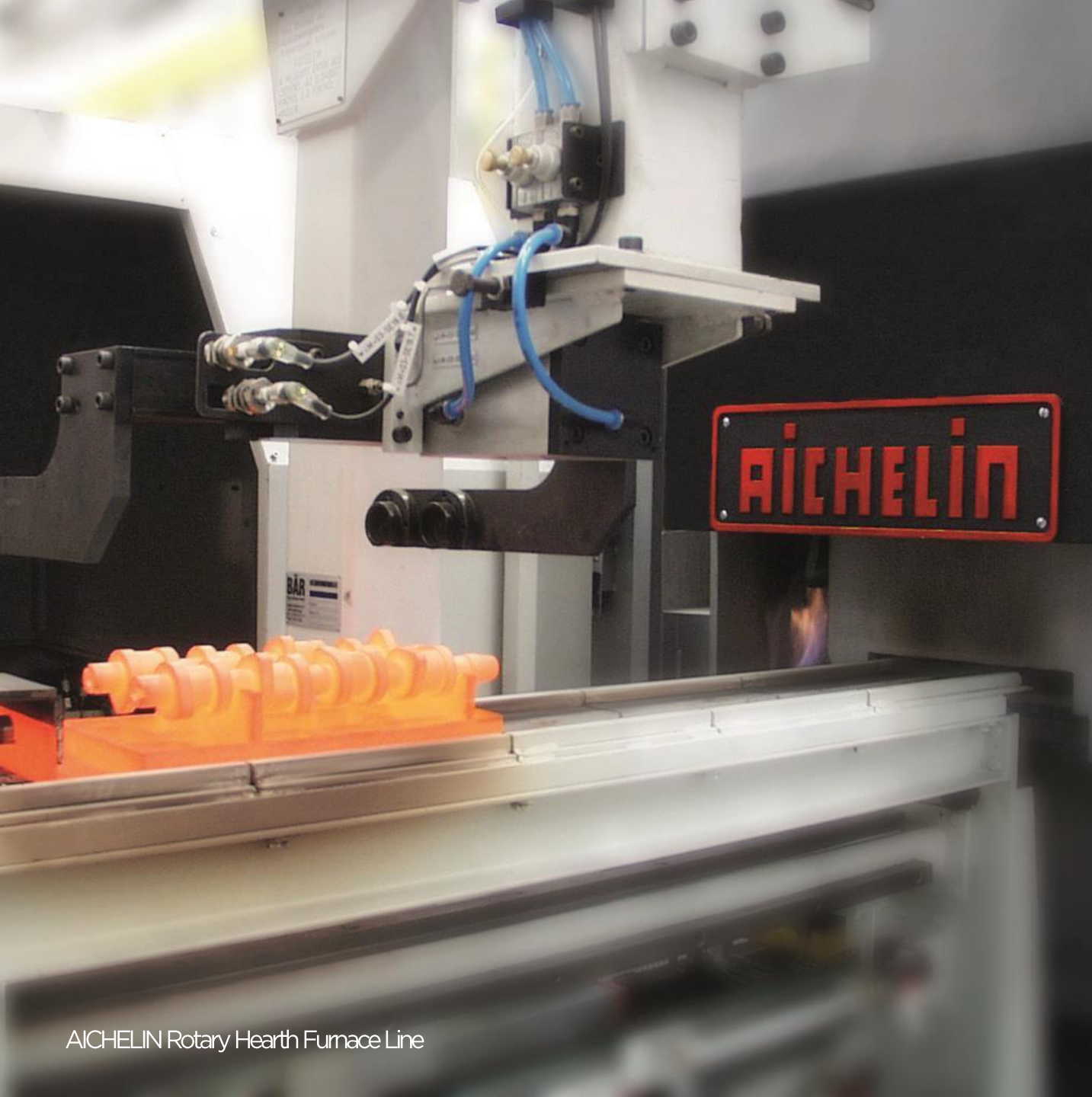


Enables high availability



Improves operational cost-efficiency





**“Our Lenovo ThinkSystem solutions are very easy to maintain. With Lenovo XClarity software, we can automate routine management tasks, which saves our IT team a great deal of time.”**

**Mr. Zhao**

Information Management Manager,  
AICHELIN Heat Treatment Systems  
(Beijing) Co., Ltd.

# Why Lenovo?

From the very start of its engagement with Lenovo, AICHELIN China was impressed by the sales team's responsiveness and attention to detail.

“Lenovo provided a number of very useful suggestions during the early stages of the project,” says Mr. Zhao. “We really liked that Lenovo was tuned in to our needs and actively trying to find us the best solution. When we took into account the breadth of their offering and their expert implementation services, Lenovo was the standout choice for AICHELIN China.”

# How can manufacturers enable R&D innovation?

AICHELIN China deploys next-generation 3D design tools, powered by Lenovo data center solutions.

[Explore Lenovo ThinkSystem solutions](#)