

# Building a greener future with leading-edge technologies.

How **Sino-German Ecopark** used **Lenovo ThinkAgile VX** technology to support a new innovation hub in the city of Qingdao, minimizing infrastructure complexity so researchers can focus on developing environmentally sustainable solutions.

Lenovo Infrastructure Solutions  
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## Background

A collaboration between Germany and China, Sino-German Ecopark is a joint project aimed at building a first-of-its-kind 'eco-city'. Covering an area of 11.6 square kilometers in Qingdao, China, the Ecopark will prioritize sustainable and smart urban management alongside ecological preservation. It will be designed by a transdisciplinary team featuring experts in road traffic, energy, municipal requirements, water supply, architecture, and landscaping.

The Sino-German Ecopark project employs more than 1,200 people, who cooperate with the local government to build the park and oversee development, construction, and operation of the site.

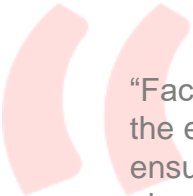
Within the Sino-German Ecopark group, multiple teams are dedicated to harnessing the latest technology to achieve the goals of the project. Eventually, the organization plans to serve the State Council-approved Shandong Pilot Free Trade Zone (in which the park is situated) with technology services.

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## Challenge

As a flagship for both German and Chinese collaboration and sustainable development, the Sino-German Ecopark depends on the right technology foundations to make it a success. The organization's key business systems include back-office administration and finance applications, as well as specialist software to support local planning and construction agencies in land management, road traffic management, economic development, human resources, and video surveillance. Generating huge amounts of data and transactions, these systems required high-performance IT infrastructure.


Since the Sino-German Ecopark aims to offer technology services commercially when the park is established. To achieve its goals, the organization sought scalable IT resources that could be extended easily to meet demand.



“Facing a tight launch schedule, we looked for a technology partner with the experience, expertise, and capacity to support a rapid roll-out. To ensure we could focus on innovation rather than IT administration, we also wanted IT infrastructure that was straightforward to manage.”

**Wu Yungang**

IT Director, Sino-German Ecopark

A photograph of a modern, multi-story building with a curved facade. The building is illuminated at night, with warm yellow lights glowing from the balconies and windows. The sky is dark blue. The building has a white facade with dark window frames and balconies. The balconies are lit up, and the building has a curved, tiered design. The overall scene is a nighttime view of a modern architectural structure.

## Why Lenovo? Responsive, reliable support.

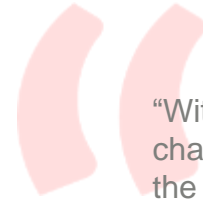
Members of the Sino-German Ecopark IT team shared their positive experiences of working with Lenovo on past projects. The team was confident that the combination of Lenovo technology and support would help to ensure a successful launch for the park and yield long-term benefits.

"We chose Lenovo because of the quality of the technology and support," explains Wu Yungang. "At every stage in the project, we felt that the Lenovo team offered a high degree of professionalism. The sales team visited us on-site many times, and we had monthly check-ins on business development."

## Establishing solid foundations.

To offer more than 1,200 employees the IT resources they need to perform their work effectively, Sino-German Ecopark deployed a hyperconverged solution based on VMware vSAN™, which combines compute and storage virtualization on a single platform with centralized management through VMware vCenter Server™. Comprising 20 Lenovo ThinkAgile VX 5000 Series nodes, the solution offers high performance, scalability, and ease of management.

The Sino-German Ecopark and Lenovo teams worked closely to design and deploy a solution that met the specific requirements outlined by the organization in terms of processing power and footprint. In partnership, the teams achieved a fast, efficient deployment of the technology.



“With help from Lenovo, we were able to meet the challenging timelines of the project. They understood the urgency and provided the resources we needed to make good progress.”

**Wu Yungang**

IT Director, Sino-German Ecopark

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## Results

Working with Lenovo, the Sino-German Ecopark built three layers of redundancy into its new IT infrastructure, helping to ensure exceptional business continuity. High availability is built into the VMware stack, and with reliable, rapid access to essential data and business systems, employees can work more effectively to bring the pioneering vision of the Sino-German Ecopark to life.

The hyperconverged architecture of the Lenovo ThinkAgile VX platform ensures extremely low latency, enabling high performance. Thanks to the low infrastructure complexity offered by the platform, the Sino-German Ecopark team is free to focus on higher value work without imposing limits on research innovation.

The Sino-German Ecopark has gained the ideal IT foundations to support its operations for an estimated three to five years. The Lenovo technology scales easily, enabling the organization to act fast on opportunities for growth, including the provision of technology services on a commercial basis.



- ✓ **Three-layer redundancy helps to ensure exceptional business continuity**
- ✓ **High performance and low management requirements support employee productivity**
- ✓ **Offers capacity for three to five years, with the ability to scale seamlessly to accommodate unexpected demand**



“Our experience with Lenovo has been excellent, and we look forward to continuing the collaboration on future technology projects.”

**Wu Yungang**  
IT Director, Sino-German Ecopark

# What will you do with Lenovo software-defined infrastructure solutions?

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