



XCMG Research Institute Accelerates R&D with an Advanced HPC Architecture

Operating at the forefront of Chinese industry for many years, Xuzhou Construction Machinery Group Co., Ltd. (XCMG) is now the third largest manufacturer of construction equipment in the world. Continuous research and development into improved product designs has played a key role in the growth of XCMG. But with researchers running more intensive simulation workloads than ever, the company's high-performance computing (HPC) cluster was struggling to cope with demand. To increase performance, XCMG Research Institute built a new HPC environment based on Lenovo ThinkSystem servers powered by 2nd Gen Intel® Xeon® Scalable processors. With the Lenovo solutions, the company has accelerated research work, helping to bring new equipment to market sooner.

To keep up with more intense competition, we carry out extensive technology innovation and R&D into new equipment. We wanted to deploy a new HPC system to help the R&D team work faster and more efficiently, which ultimately will help us to gain competitive advantage."

Huang Jianhua, Deputy Director, XCMG Research Institute

Products and Solutions

[2nd Gen Intel® Xeon® Scalable Processors](#)

Industry

Machinery
Manufacturing

Organization Size

1,001-5,000

Country

China

Partners

[IBM](#)
[Lenovo](#)

Learn more

[Case Study](#)