

Electronics

Creating headroom for business growth

KCE Electronics

To scale out its IBM and SAP applications to support business growth, KCE Electronics moved its mission-critical VMware vSphere® virtual machines to a modern, high-performance infrastructure based on Lenovo ThinkSystem servers and storage.



Lenovo

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vmware®
by Broadcom

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Who is KCE Electronics?

Founded in 1983 in Bangkok, Thailand, KCE Electronics is one of the country's top producers and distributors of custom printed circuit boards (PCBs). The company serves a wide variety of industries, including automotive, industrial manufacturing, and information technology. Part of KCE Group, KCE Electronics has three sister companies: KCE Technology, KCE International, and Thai Laminate Manufacturing Company.



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The Challenge

KCE Electronics plays a vital role in its clients' just-in-time manufacturing processes. As a result, it is essential for KCE Electronics to deliver on time, every time.

Mr. Poollarp Jittrasawad, IT Manager at KCE Electronics, explains: "Fulfilling orders within tight deadlines requires careful planning. To manage our complex supply chain and manufacturing process, we rely on solutions such as SAP ERP and IBM ILOG CPLEX Optimization Studio, running in VMware vSphere virtual machines. We depend on insights from these systems to keep our business running smoothly—so unplanned downtime is not an option."

As its business grew, KCE Electronics saw that the IT infrastructure underpinning its mission-critical business systems was approaching capacity and nearing end-of-support. To continue to expand its operations, the company looked for a new platform.

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“We had reached the point where we couldn't scale out our business systems any further with our existing servers and storage systems. We targeted a fresh IT infrastructure solution that would meet our long-term needs.”

Mr. Poollarp Jittrasawad

IT Manager, KCE Electronics

Boosting performance for critical workloads

After assessing a number of leading infrastructure vendors, KCE Electronics selected Lenovo to deliver the new solution. Based on two Lenovo ThinkSystem SR650 V2 servers connected to Lenovo ThinkSystem DM5100F all-NVMe flash storage, the solution offers proven performance for VMware workloads and full certification for SAP ERP.

“Lenovo gave us excellent performance and reliability for VMware at a highly cost-effective price point,” confirms Mr. Jittrasawad. “Tight integration between VMware vCenter Server® and Lenovo XClarity means that the new solution is also extremely easy to manage.”

Hardware

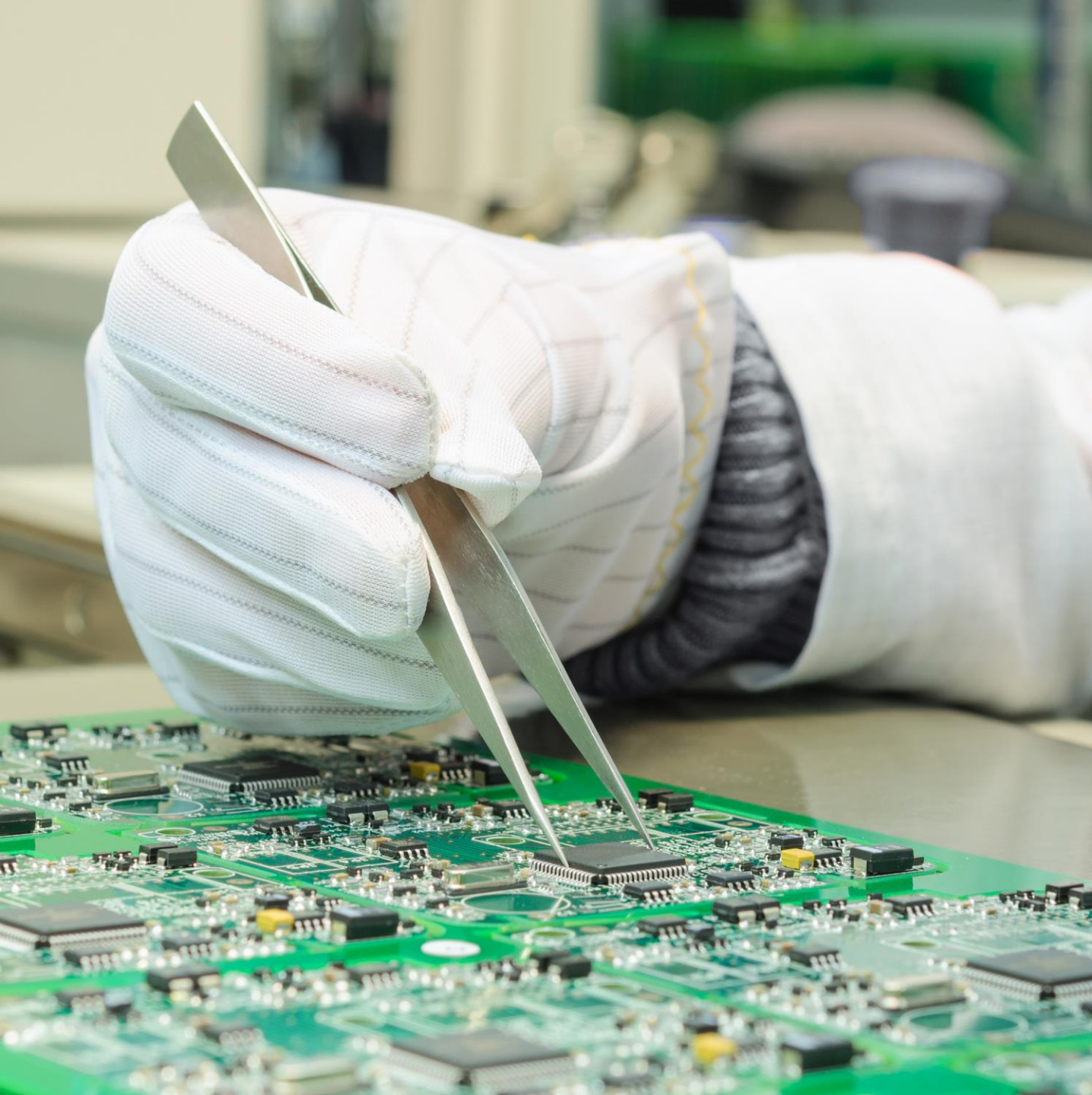
Lenovo ThinkSystem SR650 V2
Lenovo ThinkSystem DM5100F
Unified Storage Array
Lenovo ThinkSystem DB610S FC
SAN Switch

Software

Lenovo XClarity Integrator for
VMware vCenter
IBM ILOG CPLEX Optimization
Studio
SAP ERP
Veeam Backup & Replication
VMware vCenter Server®
VMware vSphere®

Services

Lenovo Premier Support



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“We worked with Lenovo on the solution implementation, which took just one week to complete. The solution was very easy to install, and we get great peace of mind knowing that we can call on Lenovo Premier Support if we should ever need technical assistance.”

Mr. Poollarp Jittrasawad

IT Manager, KCE Electronics

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Results

By deploying its mission-critical SAP and IBM solutions on VMware virtual machines on Lenovo ThinkSystem SR650 V2 servers, KCE Electronics has gained the headroom for continued business growth.

“We’ve significantly boosted end user application performance for our SAP solutions, which helps employees work more productively and effectively,” adds Mr. Jittrasawad. “Lenovo also helped us to strengthen our disaster recovery capabilities using Veeam Backup & Replication, which reduces the risk of downtime in the unlikely event of an issue with our production environment.”



Boosts performance for business applications



Enables easy IT management



Reduces the risk of unplanned downtime

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“We are very happy with the performance, stability, and manageability of our new Lenovo and VMware platform. We’re now rolling out new applications to support our business users, which just wouldn’t have been possible on our old IT infrastructure.”

Mr. Poollarp Jittrasawad
IT Manager, KCE Electronics

Why **Lenovo**?

Lenovo proposed a solution that offered KCE Electronics a level of price and performance that competing vendors were unable to match.

Mr. Jittrasawad comments: “The Lenovo team listened closely to our requirements and designed a solution that perfectly addressed our needs. The fact that Lenovo and VMware have been strategic partners for more than 20 years also weighed in Lenovo’s favor, since we knew that ThinkSystem solution had been fully tested and validated with VMware vSphere.”



How can businesses remove barriers to growth?

To create headroom for growth, KCE Electronics migrated its business systems to a high-performance platform from Lenovo and VMware by Broadcom.

[Explore Lenovo VMware Solutions](#)

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