

INTERNATIONAL MANUFACTURING FIRM DRAMATICALLY IMPROVES WIRELESS NETWORK WITH RUCKUS SOLUTIONS

Founded in 1994, **Positec** is a high-tech company dedicated to the electrification and robotization of tools, and it owns a portfolio of international high-end brands. Positec Group has more than ten overseas subsidiaries in the US, UK, Italy, Germany, Australia, and other countries. Positec is home to more than 4,500 employees worldwide.



POSITEC

Customer

Positec Technology (China) Co., Ltd.

FAST FACTS

- Positec Technology (China) Co., Ltd. is located in Suzhou, China
- More than ten overseas subsidiaries
- 4,500 employees

CHALLENGES

- High-density environment
- Video conferences lagged and stalled
- Transferring files took too much time

SOLUTION

- More than 200 RUCKUS® R650 access points (APs)
- Virtual SmartZone™ controllers
- Deployment by Suzhou Lanhao

As an international high-tech company in the Jiangsu province, Positec relies heavily on its wireless network for productivity. From conference calls

to transferring large digital files, a fast and reliable Wi-Fi® is the foundation of the company's work performance and keeping customers happy.

Unfortunately, Positec's legacy wireless network wasn't able to keep up with the company's growth and demands. Video conference calls were freezing up. Slow network speed impeded important files from being uploaded and downloaded. And spotty network coverage frustrated employees. To address these issues, Positec first tried fine-tuning the network APs, but the existing network had simply outlived its usefulness.

Putting RUCKUS to the test

To find the best way to upgrade their network, Positec reached out to several network solution companies for proposals. But few could produce the results they needed. In the end, the

answer to their network issues seemed to be best served by RUCKUS Networks solutions. By working with Suzhou Lanhao, a RUCKUS Partner, Positec began to upgrade their network for a proof of concept (POC) test.

In the POC test, Suzhou Lanhao deployed RUCKUS R650 APs in the most critical areas where connectivity was most affected. Immediately, employees saw radical improvements in the Wi-Fi network: High-speed file transfers reached more than 100 Mbps, video call complaints were cut in half, and dead zones disappeared.

RUCKUS APs deliver superior results

These RUCKUS Wi-Fi 6 APs excelled in this high-density company environment by avoiding interference and automatically finding the least congested channels to deliver a clear,



stable signal every time. This is due to RUCKUS patented Beamflex+® and ChannelFly® technology. These proprietary built-in AP features allow RUCKUS solutions to outperform the competition even in the most challenging settings.

With the POC test revealing superior results, Positec approved the replacement of all their existing APs with R650s throughout their large campus. To manage the hundreds of new APs, Positec also selected a pair of virtual SmartZone network controllers to have dedicated controllers for different sections of the campus.

SmartZone controllers are ideal for unified wired and wireless management in medium-to-large enterprises. Each controller can support up to 30,000 APs, 3,750 switches, and 450,000 clients per cluster. In addition, they

enabled Positec's IT department to leverage zero-touch provisioning, automatic firmware updates and one-click access to any AP or controller across all clusters. Working from the cloud, SmartZone controllers also gave IT the ability to give employees and guests easy, secure access to the network without having to be onsite.

Once Suzhou Lanhao was able to complete the RUCKUS AP deployment with minimal office and manufacturing interruptions, Positec employees were able to access the network anywhere on campus, and connectivity remained seamless no matter where they went.

Encouraging sustainability

What was more encouraging were side benefits from upgrading the wireless network. By modernizing their Wi-Fi network in a LEEDS building, Positec

doubles down on their commitment to sustainability. Because Wi-Fi networks are 2.5 times more energy efficient per megabyte transmitted than 5G networks, they are more sustainable than 5G cellular. By providing employees with a stable, robust Wi-Fi network, Positec helps reduce their energy consumption and even prolong their devices' battery usage.

Following the impressive results of upgrading their corporate network to Wi-Fi 6, Positec is currently exploring upgrading all their international offices with RUCKUS solutions. Fortunately, RUCKUS Networks also has an international presence in Europe, Asia as well as the U.S.

About RUCKUS Networks

RUCKUS Networks delivers purpose-driven networks that offer superior business outcomes in demanding environments. Our enterprise networking solutions combine high-performance Wi-Fi, network switching, and AI-powered automation to prevent network issues, reduce operational complexity, and keep performance predictable.

www.ruckusnetworks.com

Visit our website or contact your local RUCKUS representative for more information.

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