Extreme Fabric Gears Up Volkswagen's Digital Future

Challenges

- Increased innovation in an increasingly competitive landscape
- Greater flexibility and agility to address customer needs and evolving expectations
- Efficient automated processes
- Enhanced data security for end users and devices

Extreme Solutions

- Extreme Fabric Connect™
- ExtremeWireless™
- ExtremeWired™
- ExtremeCloud™ IQ-SE
- ExtremeControl™

"Extreme's new solution garnered enough interest and confidence to get us back in the game. This time around, thanks to the new capabilities of our technology, we were able to come up with a solution that was distinctively different from the competitor's proposals, offering a much simplified approach towards Fabric."

Adam Minowski, System Engineer, Extreme Networks

"We listened closely to our colleagues from Škoda Auto who had moved to a similar technology from Extreme and were very pleased with it. We went through a couple of visits to their factories to take a closer look at their solution and compare it with our needs. We decided that 'this was it'!"

Paweł Stakuć, Senior IT Specialist, Volkswagen Poznań

Volkswagen Poznań is a Polish subsidiary of Volkswagen AG, the multinational automotive manufacturing company and part of the Volkswagen Nutzfahrzeuge (Volkswagen Commercial Vehicles) brand. Not only does Volkswagen Poznań play a vital role in the manufacturing operations of the automotive giant, it also tops the rankings of the best employers in Poland annually, providing jobs to over 10,000 employees.

Volkswagen Poznań is constantly evolving, always seeking new ways to support both its business and employees. Among its chief challenges, the Poznań plants faced a growing need for innovation, more agile responses to customer needs, better process automation, and enhanced data security.

In partnership with Extreme Networks, Volkswagen Poznań underwent a digital transformation by enhancing its network infrastructure with Extreme's Fabric technology. With hyper-segmentation capabilities in place, the company can provision services anywhere and at any time across the plant and improved reliability and security for employees and their devices. Most importantly, the solutions were implemented without hindering operations.

> *"All the aforementioned components, switches, the Wi-Fi network, management system, and access control system work together flawlessly, creating a single, complex, tailor-made solution in the spirit of Extreme Automated Campus."*

Adam Minowski, System Engineer, Extreme Networks

Results

✓ Operational Excellence

- Simplification, automation, and increased security optimizes manufacturing processes.
- Enablement of large-scale data collection produces new insights, analytics, and more effective troubleshooting.

Automated Administration

- High bandwidths enable operation of large number of devices, creating a smart factory environment.
- Simplified management and built-in segmentation allow Volkswagen to rapidly onboard devices without interfering with network performance.

Digital Workplace

- Wi-Fi network supports mobility of staff through secured authentication regardless of physical location.
- Greater access and connectivity to critical technologies drives employee performance and builds strong employer brand.

> *"You can probably say that with the new network solution, our company geared up towards a digital future, and we enter that future as a leader of the automotive industry and the top employer in Poland"*

Paweł Stakuć, Senior IT Specialist, Volkswagen Poznań