



Liebherr - Solution for secure remote maintenance

Liebherr, a world leader for the manufacture of construction machinery, has selected Endian Switchboard for its highly complex, access policy management project

The first priority for **Liebherr** was **optimizing remote maintenance for customers** all over the world; making it secure, easy and cost effective. Additionally, the network infrastructure may differ from one end user to another, so machinery management and security rules could suddenly change or become stricter at a moment's notice.

The challenge: build a universal response to satisfy all of the project requirements. And that's exactly what Endian did!

The **Endian Switchboard**, a VPN concentrator management solution, is built into Liebherr's core architecture and enables secure connections between the technical staff and endpoint devices for real-time, remote support. But the true added-value of the solution is in its ability to provide granular management of access permissions for users and groups of users. Using the Switchboard, **Liebherr can monitor and manage all VPN connections** and provide role-based access rights to specific devices and limit what actions can be performed while connected all while provide detailed logging capability for auditing user activity.

Endian even developed a dedicated client (Endian Connect App) designed to provide an easy tool for users to connect to endpoint devices on demand. Using the Connect App, a VPN tunnel is established upon request and the users' permissions are applied based on the rules Liebherr assigned using the Switchboard.

Thanks to the robust Endian solution, Liebherr now has complete independence to efficiently and effectively manage a highly complex network of devices and users.

endian

About Endian

Endian was founded in 2003 at Appiano, Italy, by a team of experienced network specialists and linux enthusiasts. Endian's goal and path of development are immediately clear: creating sophisticated Unified Threat Management (UTM) solutions, totally based on open source technology.