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COMPANY
STAHL JUDENBURG



Stahl Judenburg
GmbH · seit 1906 · Edelstahl



Modern infrastructure for a traditional manufacturing company

Stahl Judenburg relies on high-performance, dependable, voice and data communications from ALE

Stahl Judenburg has been producing stainless steel in Styria, Austria since 1906. Today it is a world leader in this highly competitive manufacturing sector. With high quality standards, and superior customer focus, the material supplier needed a communications system to meet the highest demands for quality, reliability and long-term viability. They selected ALE voice and data communications solutions. The converged infrastructure - which includes a LAN and WLAN with a centralized network management system, and corporate telephony - was implemented by long-standing ALE partners Dimension Data and A1 Telekom Austria.

Steel from Styria since 1906

Located in Judenburg, Styria - an Austrian town with a long tradition of stainless steel production - Stahl Judenburg GmbH has been a specialist in the field of stainless and engineering steels since 1906.

Stahl Judenburg supplies its customers - renowned companies in the automotive industry, engine and plant engineering, and machine and tool manufacturing - with high quality, bar steel products such as rolled steel and bright steel. 92% of its products are exported to the European Union, mainly to Germany, as well as the USA and growth markets in South America, Asia and the Middle East.

With many years of experience and deep technical knowledge, the company is able to meet the highest quality and safety standards, and fulfill even the most demanding special requests. With approximately 500 employees, Stahl Judenburg is one of the largest employers in the region, with sales of 107 million Euros in 2016.

Stahl Judenburg has been using ALE technology for its voice and data communications since 2011.

Corporate telephony - going all IP

Stahl Judenburg's voice communications are based on the Alcatel-Lucent OmniPCX® Enterprise Communication Server (CS) which provides first-class enterprise telephony for medium- and large-sized enterprises. Approximately 150 telephones are connected, many of which already benefit from the integrated IP connectivity offered by the Alcatel-Lucent IP Touch® 4028 phones. The short term goal is to switch all of the phones to Voice over IP (VoIP).

To manage the OmniPCX network, Stahl Judenburg uses the Alcatel-Lucent OmniVista® 8770 Network Management System (NMS), which provides a user-friendly system, easy configuration and user administration with simplified user creation, service activation, and device mapping. The network management system continuously monitors the availability and performance of the Voice over IP service and supports IT administrators with automated notifications.

Stahl Judenburg uses the following technologies:

TELEPHONY

- OmniPCX Enterprise Communication Server
- OmniVista 8770 NMS
- IP Touch 4028 Extended Edition

LAN

- OmniSwitch 6450
- OmniSwitch 6900
- OmniVista 2500 NMS

WLAN

- OmniAccess 4450 WLAN Controllers
- OmniAccess AP205 and AP215
- OmniVista 3600 Air Manager



Case Study

Stahl Judenburg

A further extension of the voice communication solution, implemented by ALE business partner A1 Telekom Austria, is planned for priority users' mobile phones to be integrated directly into the telephony system.

"Reliability and uninterrupted service play a central role at Stahl Judenburg," says Martin Blazinschek, who is responsible for the company's IT infrastructure. "Therefore, we have installed a second OmniPCX Enterprise CS to ensure seamless operation of our corporate telephony. We are also planning to set up a second data center with identical network components."

Power and reliability in a single network

Stahl Judenburg selected a comprehensive LAN and WLAN infrastructure based on ALE switching hardware, for its data network. The solution was implemented by Dimension Data, a long-standing ALE business partner.

Stahl Judenburg's LAN uses 40 Alcatel-Lucent OmniSwitch® 6450 Stackable Gigabit Ethernet 10-port LAN switches with PoE (Power over Ethernet) functionality. The highly available, environmentally friendly and easy-to-manage switches are characterized by optimized size, low power consumption and fan-less operation. The network also features two high-performance Alcatel-Lucent OmniSwitch 6900-X20 Stackable LAN switches with ultra-low latency, as well as the OmniVista 2500 NMS for network monitoring and centralized management of network backup, network security, policy enforcement, location changes and extensions.

Two Alcatel-Lucent OmniAccess® 4450 WLAN controllers form the basis of the WLAN and control the entire wireless environment, providing an optimized network platform for mobile applications. A total of 120 Alcatel-Lucent OmniAccess® AP205 and AP215 access points are implemented across the Stahl Judenburg premises. They are flexible, space-saving, easy to install and ensure optimal signal transmission.

The Alcatel-Lucent OmniVista 3600 Air Manager supports the WLAN management with centralized visibility, configuration and control. It reduces the operating cost of the wireless infrastructure, optimizes network performance, improves reliability for the user, and increases network security.

"In production environments, the importance of our IT and networks has grown continuously during the last years, as production and IT are increasingly interlinked. If the network does not work, production will quickly come to a standstill," says Thomas Krenn, Stahl Judenburg GmbH, Managing Director. "This is why a modern, efficient and reliable communication and network infrastructure is vital for us. ALE and its business partners ensure we have the right infrastructure in place – today and in the future."

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MARTIN BLAZINSCHKE, IT ADMINISTRATOR,
STAHL JUDENBURG GMBH

CHALLENGES

- Future-proof voice and data communications
- Reliable network infrastructure

PRODUCTS

- OmniPCX Enterprise CS and IP-enabled phones
- OmniSwitch LAN switches, OmniVista NMS and OmniVista Air Manager
- OmniAccess WLAN controllers and access points

BENEFITS

- Modern enterprise telephony
- Powerful LAN
- WLAN for wireless communication