



CASE STUDY | INDUSTRY

STORE STEEL GROUP

Security and communication solution for industry suppliers

CUSTOMER INFORMATION

Store Steel, d.o.o. is a steel manufacturer located in Slovenia and active mostly in the market of European automotive industry suppliers, in the segment of commercial as well as personal motor vehicles. The company supplies users with spring, engineering (forging steel) and Exem steel. It follows their demands for additional processing of bars into intermediate products. The company is recognisable by registered trademarks Štore Steel, Exem Steel and Recycled Steel.

” DRAGO JAKOPIČ

Rolling Mill Electrical Maintenance at Štore Steel, d.o.o

The idea of what we need came to life with the help of Commend. The installed equipment enables our employees to communicate fast, clear and without interruptions despite the industrial conditions like noisy environment, dust and heat. The communication solution enhances our operational process and allows interventions when necessary.”





TECHNICAL DETAILS

HYBRID IP STATION SERIES EE7000H



The industrial all-rounder when it comes to difficult environments like dirt, noise, heat, cold or just versatile applications which need a bit more ruggedised terminals. The station is designed with a variety of different keypads depending on the tasks which must be fulfilled as well as a class-D amplifier to connect to external loudspeakers with 30 watts.

BASIC INTERCOM TERMINAL SERIES EE380



The Series EE380 are long-time champions combining the specific needs of multiple industries in combination with control desk requirements. These can be direct dialling buttons which are colour indicating, gooseneck microphone, integrated loudspeaker as well as freely configurable buttons necessary for different projects and operations.

INTERCOM IP SERVER SERIES S3



The S3 is the heart of the system. It builds up the central point of the communication platform and is a software-based Intercom server (VirtuoSIS) running on a hardware appliance. This set-up guarantees that the system is future proof, enormous reliable, and can integrate to many other sub-systems like public address/voice alarm, CCTV, connect to I/Os, control doors and many more.

THE CHALLENGE

Hazardous, loud, and dirty environments always come along with difficulties when it comes to communication. Besides all these obstacles reliable communication is a crucial and essential part of the daily work at a rolling mill facility. Store Steel used such kind of communication systems since many years but unfortunately the legacy system could not fulfil the requirements any longer. Therefore, Commend supported and consulted Store Steel to find the best system and most suitable system design for the purposes and processes of their facility.

Store Steel required in this project a solution which ensures reliable, fast, and clear communication despite the loud and partwise deafening environment of the rolling mill. First, the Intercom terminals must ensure the exchange between employees. This operational communication is crucial in terms of speech intelligibility and uninterrupted exchange of the workers. Second, the supervisors and operational managers must be ready to intervene directly from the control desk. All necessary technical functionalities, the support of workers as well as the coordination of different tasks and operational procedures must be smoothly handled from one or, in case it is applicable, multiple control points. Besides all active operational aspects, Store Steel was aiming to invest to a system which is future proof, expandable and reduces the maintenance efforts to a minimum.





SOLUTION

Commend's security and communication system convinces with its easy handling and fast communication. The basic Intercom terminals series EE380 with gooseneck microphone and integrated loudspeaker are the perfect solution for control room allowing to quickly establish a conversation between the operational manager and the staff in the production hall.

The IP stations Series EE7000 come with highest speech intelligibility even in very noisy environments. The microphone and the IVC feature (Intelligent Volume Control) allow to adjust the volume automatically to the ambient noise – even during playback. With their robustness these are perfectly suited for the conditions of the rough environment. The rugged and corrosion-resistant housing withstands an expanded temperature range.

The system is designed in a way that can be easily expanded and remains flexible for the future. With the help of interfaces it can be also connected to subsystems enabling the customer to be prepared for any challenge in the future.



BENEFITS AT A GLANCE

- Reliable, fast, and clear communication even in very noisy environments .
- Immediate conversations between operational managers and staff along the production chain.
- Rugged and corrosion-resistant IP stations suitable for extended temperature ranges.
- Future proof thanks to expansion options and many interfaces to subsystems.
- Privacy and Security by Design: Secure Product Development certified to IEC 62443-4-1.
- Maintenance free Solution
- Quality, design, reliability, and a commitment to longevity. Ensuring safe and secure communication for a lifetime.

Your local Commend contact person will be happy to answer any further questions regarding individual solutions.

OFFICE@COMMEND.AT



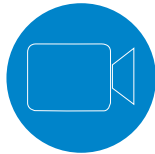


PROJECTS

Austria - Video Management for hospitals // Secure communication in various prisons // **Croatia** - communication solution for hospitals // **Netherlands** - CCTV for all Highways and waterways all over the country // **Germany** - Video Management System for Liebherr Logistic // **Romania** - Public address, Video Management system and emergency communication for Metro Bucharest // **Singapur** - CCTV System for Metro Singapur // **USA and Canada** - integrated parking solution for "Parkway Corporation"



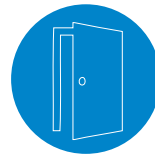
INTERCOM



VIDEO



IT



ACCESS



AUDIO

SECURE COMMUNICATION SYSTEMS FROM COMMEND

Can you imagine a system that millions of people rely on every day, where every word has to count? This is the world of Commend! Secure, reliable communication is our passion.

As global market leader with over 50 years' experience in developing voice technology, we have integrated not only video and interfaces to third-party equipment that complies with international norms and standards, we created new opportunities

to integrate overall solutions. Commend can combine individual systems for example video, intercom- or access control to an overall solution and enables within a situation picture an accurate capture of reality in real time. Therefore, Commend ensures and protects people, buildings and values.

Commend is the natural choice for hands-free voice communication systems all over the world.



Long-term relationship with both customers and suppliers



Project consulting for customized solutions



Highest quality ensures long product life cycle

QUALITY-TESTED. RELIABLE. WELL-DESIGNED.

COMMEND products are developed and manufactured by Commend International in Salzburg, Austria. The development and manufacturing processes are certified as per EN ISO 9001:2015.

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