



CASE STUDY | HOSPITAL - CLEAN ROOMS

UNIVERSITY HOSPITAL OSTRAVA

Security and communication solution for people, buildings and values.

CUSTOMER INFORMATION

University Hospital Ostrava

The University Hospital Ostrava is a top-level hospital and occupies a leading position among medical facilities in the Czech Republic. It is the largest state medical facility in northern Moravia.

It provides health care for 1.2 million inhabitants. Annually, an average of 46,400 patients are hospitalized in 1,100 beds and almost 600,000 outpatient treatments are performed. The University Hospital Ostrava uses state-of-the-art equipment for treatment, follows modern trends, and has demanding and effective treatment programs at its disposal.

DANIEL KLAPETĚ

Head of System Administration Department

What convinced us about the Commend solution was the flexibility and the ability to adapt standard products to our specific requirements. In Commend we found a competent and professional partner.



PROJECT DETAILS

CUSTOMER

FAKULTNÍ NEMOCNICE OSTRAVA

PROJECT

HOSPITALS | CLEAN ROOMS

TECHNICAL DATA

- Commend S3 Intercom server
- VDG Sense Video Management System with NVH-2516XRD server and 14 x 6 TB of recording capacity
- For operating rooms
 - Commend WS800FI wall-mounted medical Intercom station
 - PD1022 overview camera
 - Medical HD-SDI/composite video encoders for connecting endoscopic cameras, cameras in the operating room lamp, etc.
 - Medical all-in-one PC with VDG Sense video client for audio and video conferencing control
- For conference rooms
 - Commend AF50H IP amplifier with speakers and wireless microphone for two-way audio communication
 - Overview IP dome camera FD2005
 - PC with VDG Sense video client
- For medical rooms - Commend EE900 desktop IP master station and VDG Sense video client
- For doctor's mobile workstation - Commend IntercomClient and VDG Sense video client

PROJECT DESCRIPTION

University Hospital Ostrava has implemented a comprehensive system for audio and video communication between designated hospital departments - operating theatres, conference rooms, medical rooms, and mobile workplaces of selected doctors. The audio- and video-communication, conferencing and documentation system is to be used for consultation, teaching and documentation purposes.

CHALLENGES

University Hospital Ostrava required the provision of voice as well as video transmissions from the operating theatre during interventions simultaneously to several workplaces with the possibility of two-way voice transmission as well as video communication. At the same time, the system had to serve as a documentation system, i.e., it had to enable synchronous recording of both video and audio on one medium. Further requirement was the possibility of easy expansion to other workplaces and clinics. Great emphasis was placed on ease of use by the medical staff. The end devices had to be suitable for use in a medical environment and the system had to be able to connect specific medical video sources such as laparoscopic endoscopic cameras, cameras in surgical lamps, or video outputs of monitors of angiographic CT devices.





SOLUTION

Commend has deployed a unique solution for group two-way audio and video transmissions using the capabilities of deep integration between Commend's SW communication server and TKH Security's VDG Sense video management system. This solution allows to set up audio and video conferencing links between designated workplaces thanks to the programmable macros function in the VDG Sense VMS, provides lip-synchronous recording of both video and audio on a single medium and guarantees high quality and intelligibility of audio communication.

The solution has been implemented for three clinics in the hospital - one each for an operating theatre, a conference room and a doctors' room, and multiple mobile doctors' stations. In this way, they can also consult the ongoing intervention remotely. The recording of the surgery can be exported, processed, and used for training purposes, lectures, or teaching students.

The flexibility of the system is also confirmed by the following extension to the conference room of the training hospital of the Faculty of Medicine of the University of Ostrava as well as by the network connection to an identical system implemented by Commend in the Regional Hospital in Jastrzebie-Zdrój, Poland.

BENEFITS

- Fully IP-based solution
- Unique lip-synchronous voice and video recording system
- Integration of different video sources
- High quality audio communication
- Flexibility of the solution for further expansion
- Easy handling for users

One of our employees will be happy to provide further information.

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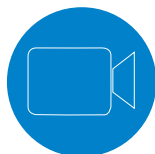


PROJECTS

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"



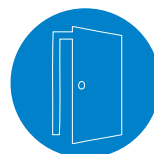
INTERCOM



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

TRUSTED. COMMUNICATION. ALWAYS.

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. To ensure information security, Commend is also the first ISO 27001-certified Intercom company.

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