



CASE STUDY | INDUSTRY

ERNST & ENGBRING POLAND (EEP)

Implementation of safety management systems for a leading supplier of connectivity solutions.

THE CLIENT

Ernst & Engbring GmbH is a German company and part of the Dutch TKH Group. With a strong international reputation, E&E specializes in the development and production of high-quality special cables used in automation, installations, machinery, and medical technology.

As the company expands its presence in Poland, it has launched its first state-of-the-art production facility, EEP Sp. z o.o., located in Rawicz. This investment marks a strategic step in E&E's growth and commitment to delivering reliable and innovative cable solutions to its customers across Europe. EEP invites motivated professionals to join its growing team. Together with the management, new employees will contribute to building a collaborative work environment, focused on excellence in production and continuous improvement.



ADRIAN RADOJEWSKI

IT specialist

The integrated security systems implemented by C&C Partners have greatly enhanced our operational efficiency and facility protection. From streamlined logistics at the gates to reliable intercom communication, the technology works seamlessly and is easy to manage. It's a future-ready solution that supports our dynamic production environment.



CABLE SOLUTIONS

C&C PARTNERS



CHALLENGE

The customer required a unified ecosystem to ensure the highest level of protection for their industrial facilities and employees. Collaborating with the general contractor and technology suppliers demanded precise planning and a flexible approach to accommodate the investor's evolving needs. Specific challenges included:

- Ensuring system alignment with the general contractor's requirements and seamless integration with existing infrastructure.
- Integrating gate and barrier automation, overseeing installation, and ensuring full operational functionality.
- Implementing separate security systems and modernizing production. There are two separate networks – one dedicated to security solutions, and the other is the production/office network.

SOLUTION

C&C Partners supplied, integrated, and commissioned comprehensive security systems, including intercom, access control, video surveillance, fire alarms, and more. Here is additional information on the Commend-related aspects of the project:

- **Office intercoms:** Devices with touchscreen displays and handsets for efficient communication.
- **Outdoor intercoms:** Advanced communication and process automation with integrated cameras for efficient guest and supplier check-ins.
- **Logistics:** For unannounced transport, drivers can directly connect with the relevant department via intercom, with integrated cameras allowing staff to quickly assess and respond to the situation.
- **Loudspeaker:** A horn at the gate broadcasts critical messages to alert personnel and reduce the risk of accidents.

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

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- **VirtuoSIS Server:** Communications are also redirected to a mobile app, ensuring quick access to information and continuity of service.

In total:

Server VirtuoSIS

3 x od5, outdoor intercom station with touch display

7 x EB1E1A, USB I/O extension module

4 x od1, outdoor intercom station

6 x id5 (variations), indoor intercom station

1 x S3, server

1 x AFLS 10H HG, IP horn loudspeaker

RESULT

The intercom column for the entrance area and the integrated camera points are designed with reliability in mind:

Robust construction – concrete columns eliminate vibrations, which is crucial for precise image analysis and detection.

Durability and reliability – we invest in long-life solutions to ensure continuous system operation.

Security – the intercom on the pole enables efficient communication and access control.

Thanks to the implemented systems, the EEP factory gained comprehensive, modern security, including access control, video monitoring, fire protection and alarm systems. The implementation of the project has significantly improved the security of the facility and streamlined its management. Continuous technological development will allow further optimisation and expansion of the systems, adapting them to growing operational requirements.

