

# CONNECTED LIFE SAFETY SERVICES IN ACTION

As part of the ongoing digital transformation in fire safety and building management, Elektro Rehm – a long-standing Honeywell partner – successfully implemented the innovative cloud-based system CLSS (Connected Life Safety Services) at the Liebherr plant in Ehingen in February 2025.

The Liebherr plant in Ehingen sets a powerful example of how digital technologies like CLSS can transform fire safety. CLSS doesn't just enhance security—it modernises workflows and drives sustainability for both installers and end customers. Seamlessly integrated into daily operations, CLSS becomes a true game-changer in fire protection.

“The days when employees were tied up with maintenance work are over. We now have the capacity to take on additional projects!” said Manfred Fröhner, Managing Director of Elektro Rehm, underscoring the benefits CLSS brings to installers.

**Honeywell**



# ENHANCED SAFETY THROUGH DIGITAL CONNECTIVITY

## THE PROJECT

### Liebherr-Werk Ehingen GmbH

For more than five decades, the Liebherr-Werk Ehingen GmbH has stood for top-tier engineering in mobile crane construction. Founded in 1969 in Ehingen (Danube) in southern Germany, the company has grown into the global market leader for mobile and crawler cranes, meeting the most demanding requirements on construction sites worldwide.

Around 5,000 employees at the Ehingen plant work every day to develop innovative solutions that impress with quality, functionality, and safety. Research and development play a central role – along with close collaboration with specialised partners to deliver tailor-made engineering solutions.

A special focus is placed on the availability and reliability of machines in operation. To ensure the highest standards in fire protection, Liebherr relies on modern technologies such as Honeywell CLSS.

**The platform supports the digital management and maintenance of fire protection systems and contributes to the safety of employees and equipment efficiently, and with a future-oriented approach.**

Combining decades of experience, technical excellence, and the use of smart solutions, Liebherr remains a pioneer in the industry—an outstanding example of how tradition and innovation can successfully work hand in hand.

## THE CHALLENGE

To meet the requirements of a complex production environment with more than 5,000 employees at the plant, the fire alarm system should not only function reliably but also be managed digitally, with transparency and organisation at the forefront.

For a large plant with 25 buildings, improving operational efficiency was a priority. The plant site covers an area of 1,000,000 m<sup>2</sup> – roughly equivalent to 140 football fields.

## THE REQUIREMENT

Increased safety and improved operational efficiency through digital connectivity.

- **Real-time information:** false alarms, fire alarms, or malfunctions in real-time and accessible from anywhere
- **Targeted alerting:** notifications sent directly to the smartphones of responsible personnel
- **Digitised maintenance processes**
- **Transparent management**
- **Better system overview**

## RESULTS & ADDED VALUE FOR THE INSTALLER

Why digital solutions in fire protection are indispensable today – the key benefits from the installer's perspective:

- Faster and more transparent documentation
- Improved traceability of inspections
- Remote diagnostics and control
- Time saving
- Receive alarms instantly, regardless of location and time
- Faster identification of relevant zones thanks to digital area plans
- Environmental friendliness through reduced paper consumption
- Ability to read contamination levels of detectors

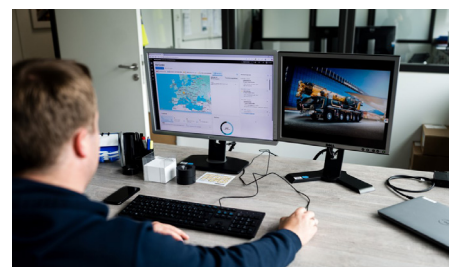
**"By using CLSS, we were able to reduce the previously required working time by about one-third overall!",** says Armin Weber, Safety Technician at Elektro Rehm.



## THE SOLUTION

With the introduction of CLSS, Liebherr's requirements were met:

- Real-time transmission of events and alarms
- Push notifications to mobile devices
- Digital fire brigade route cards directly on smartphone or tablet
- Online dashboard for system overview via web browser or app
- Digital maintenance logs and documentation



## RESULTS & ADDED VALUE FOR THE END CUSTOMER

Digital fire safety brings clear benefits:

- Optimised information flow in case of an alarm
- Simultaneous notification of multiple people
- Reduction of paper consumption and walking distances
- Faster and more transparent maintenance documentation
- Increased safety through precise real-time monitoring

The CLSS cloud-based software is currently in use in 12 buildings, integrated with 12 FlexES control panels and connected to a total of 1,047 devices.

**"The forwarding of information in the event of an alarm has been significantly simplified and improved by CLSS. For the affected area, the appropriate route card is displayed immediately – no more frantic searching."**, emphasises Jürgen Dreß, Electrician in the Industrial Service and Electrical Department at Liebherr.

The software was rated as "good" in all categories – from reliability and user-friendliness to cost. Overall, Liebherr gives CLSS 4 out of 5 stars.

[Mehr Infos zu CLSS](#)