



Protect Rail Applications
with Standard Hardware

Standardized Safety – on and off the Tracks

In the rail industry, the highest safety requirements need to be met on tight budgets. Free yourself of individual providers with safety systems from HIMA now. Commercial off-the-shelf (COTS) components are SIL 4 compliant in accordance with CENELEC.

Challenges

Conventional proprietary safety solutions take a significant amount of time to implement and to maintain. Retrospective modifications are only possible with significant effort – if at all. And once the solution is introduced, customers are locked in to their vendor and have little room to maneuver when it comes to negotiations. As soon as the pressure of costs increases, this approach will no longer be viable. Efficient, open solutions are needed, especially in small and medium-sized applications.

Solution

COTS control systems from HIMA are mass produced and consist of standard components. This means they are always immediately available and can be used for any safety-relevant rail application without customization. Additionally, the controllers are vendor neutral: Every integrator can use them in their own safety solution. To this effect, you always remain flexible.

Both HIMatrix (for small and medium-sized applications) and the HIMax controller (for larger applications) are TÜV certified. They

fulfill all requirements of the safety standard SIL 4 in accordance with CENELEC, withstand extreme temperature fluctuations, and are vibration and shock resistant – something that is especially crucial for rolling stock applications. And the engineering tool SILworX is included with HIMA's COTS systems, enabling you to easily configure your application, validate it, and prepare it for use.

Advantages

Whether it be signaling equipment, interlocking systems, critical level crossings, or directly in the train, you can deploy standardized HIMA systems for the rail industry practically anywhere. Due to their low level of complexity, they are always easy to maintain. And if your company's requirements change, you can quickly and easily add new modules to the hardware. All of this contributes to lower lifecycle costs.

Furthermore, as HIMA systems are pre-certified, you do not need to recertify your hardware when making subsequent modifications. This not only saves time, but also gives you the reassurance that you always automatically comply with all standards.

“I believe that in the rail application market for small and medium-sized facilities, only COTS is a viable option because every other alternative is too expensive.”

Johann Berger

Head of Department
ÖBB Infrastructure AG

+ Benefits

- **Become independent:** HIMA controllers are vendor neutral and provide you with many options.
- **Gain greater flexibility:** A COTS solution can be deployed in a diverse range of applications.
- **Reduce costs:** Reduced capital expenditure and operating costs thanks to standardization.
- **Make yourself future-proof:** The hardware is scalable and can be expanded with new functions.

PRODUCT OVERVIEW

HIMA COTS SYSTEMS FOR THE RAIL INDUSTRY

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