

# Vital computing platforms for wayside interlocking SIL-4 systems

## CHALLENGE

- ▶ Providing a SIL-4 certifiable open architecture platform for railway wayside environments.  
Typical applications: locking and releasing train routes on main line and mass transit systems
- ▶ Needing a competitive pricing and lifecycle support compared to a standard server solution (total cost of ownership)



## SOLUTION

- ▶ Providing full SIL-4 vital computing platforms (19" or half 19" ), performing interlocking redundant computing
- ▶ Offering passive and active cooling versions (air-cooled, conduction-cooled, with or without fans.), based on Kontron COTS 3U VPX Single Board Computers

## BENEFITS

- ▶ Taking advantage of Kontron's highest quality and performance VPX COTS boards and ecosystem, designed with safety features to be certifiable up to SIL-4 standard
- ▶ Can be adapted to withstand various levels of harsh environments
- ▶ Extended lifecycle (20+ year support lifetime) and technology refreshes reducing the final customer's TCO

▶ Learn more:  
[Kontron | Railways](#)