



CONNECT AND PROTECT

Railway Technology Overview

On Board & Trackside Certified Partner


nvent

SCHROFF

nVent Solutions for each Environment

INDOOR - OUTDOOR - ON BOARD



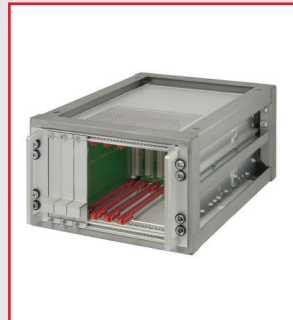
GSM-R



Ruggedized card retention up to 40G



On board Cabinet 10-40U Space saving swing frame option



Space saving mounting frame for subrack system.



European Train Control System / Vehicle On Board Computer



Conducted cooled With IP65 Integrated PSU & CPCI Backplane also communication BUS, also available to AAR specification

ONBOARD

CABINET:

EN15085, EN45545 in progress. EMC IEEE Std 299-2006, IEC 61587-3, up to IP55.

SUBRACK:

EN50155, wide T° range -40°C / + 85°C, -40°F / +185°F, dimension IEEE1101.11, BN411003, NF 61005, EN45545

WALLMOUNT:

EN15085/AWS, EN45545.

TRACKSIDE OUTDOOR

CABINET:

IP55, Outdoor paint LSZH. Single or double walled construction. Solar load protection. Rain protection for maintenance. Cooling options include: passive and active

WALLMOUNT:

EN15085/AWS, EN45545, Door Opening up to 180° with locking latch. Wall and Pole mount options available. Aluminium, Mild and Stainless Steel. Cooling options include: passive and active.



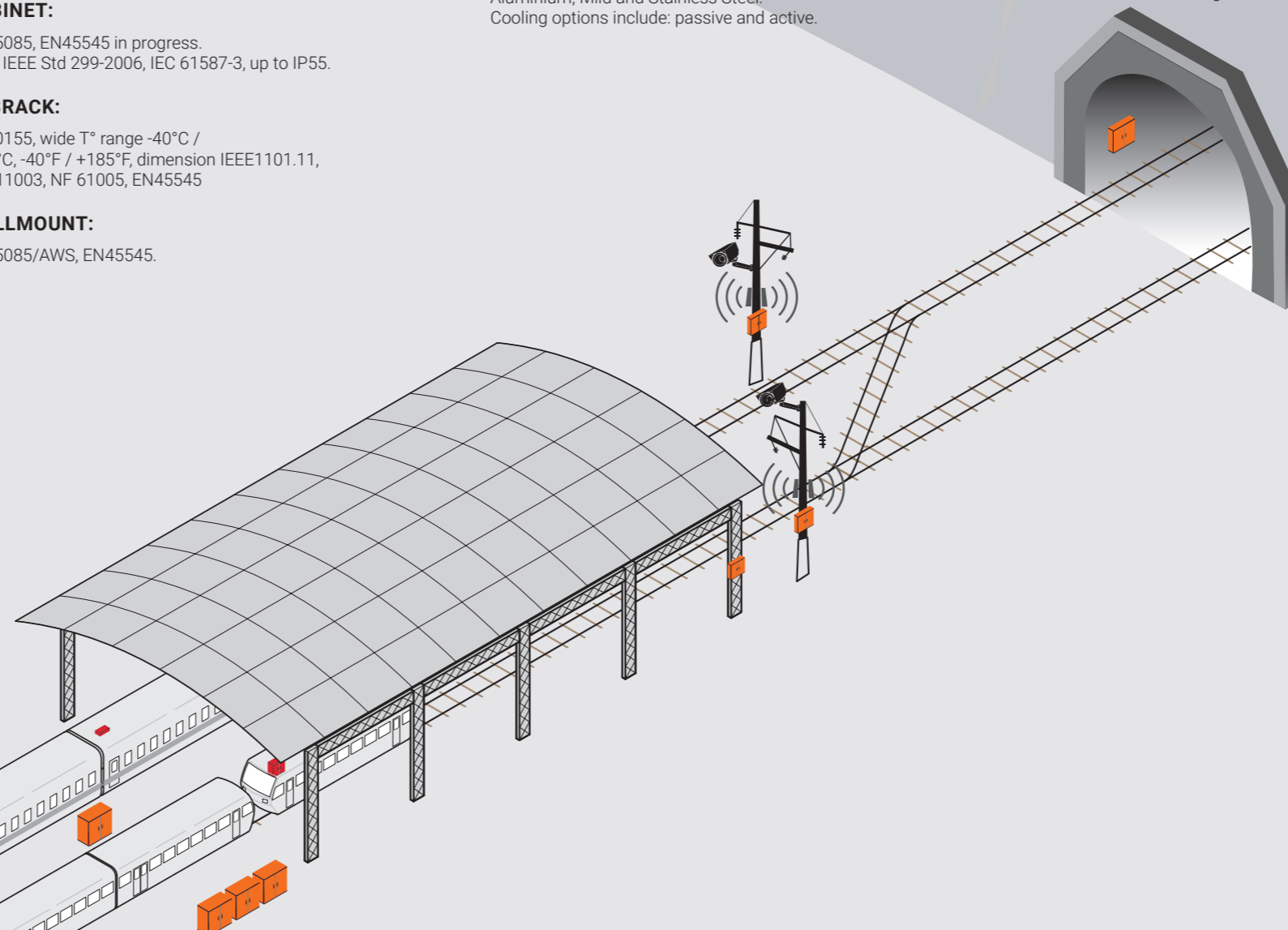
Power distribution & High voltage detection



Axle counter, zone controller, wheel T°, track maintenance, interlocking.



Wi-fi, Access point, Fiber splicing, Wall & Pole mount options, Full Integration Service



TRACKSIDE INDOOR

CABINET:

Cenelec EN50125-3 & Arema 11.5.1 Class C for Shock and Vibration EN15085/AWS, LSZH (Tunnel). EMC IEEE Std 299-2006, IEC 61587-3, up to IP55. Cooling options include: passive and active.

WALLMOUNT:

EN15085/AWS, EN45545, Door Opening up to 180° with locking. Wall and Pole mount. Aluminium, Mild and Stainless Steel. Cooling options include: passive and active.



Interlocking Trackside CPCI



Smart cooling fan tray



Signalling & Passenger information systems

DESIGNED TO MEET RAILWAY REQUIREMENTS

- Platform solutions which can be modified to meet your application needs
- Full Integration service
- IRIS CERTIFICATION
- ISO / AWS CERTIFIED

YOUR PARTNER FOR ENCLOSING, PROTECTING AND COOLING RAIL TRAFFIC SYSTEMS

- Safeguard your system with nVent SCHROFF products both standard and modified standard platform solutions.
- IRIS and ISO quality systems in place
- Project and life cycle management:
 - Original design concept
 - Prototyping
 - Testing & Certification
 - Serial production on a Global Footprint

CERTIFICATIONS LEGEND

- EN15085 / AWS welding certifications
- IEEE Std299-2006, IEC61587-3 EMC certifications
- EN50155 on board shock & vibration for subracks
- CENELEC EN50125-3, AREMA 11.5.1 track side shock & vibration for enclosures
- EN45545, low smoke zero halogen, tunnels and on board

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