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
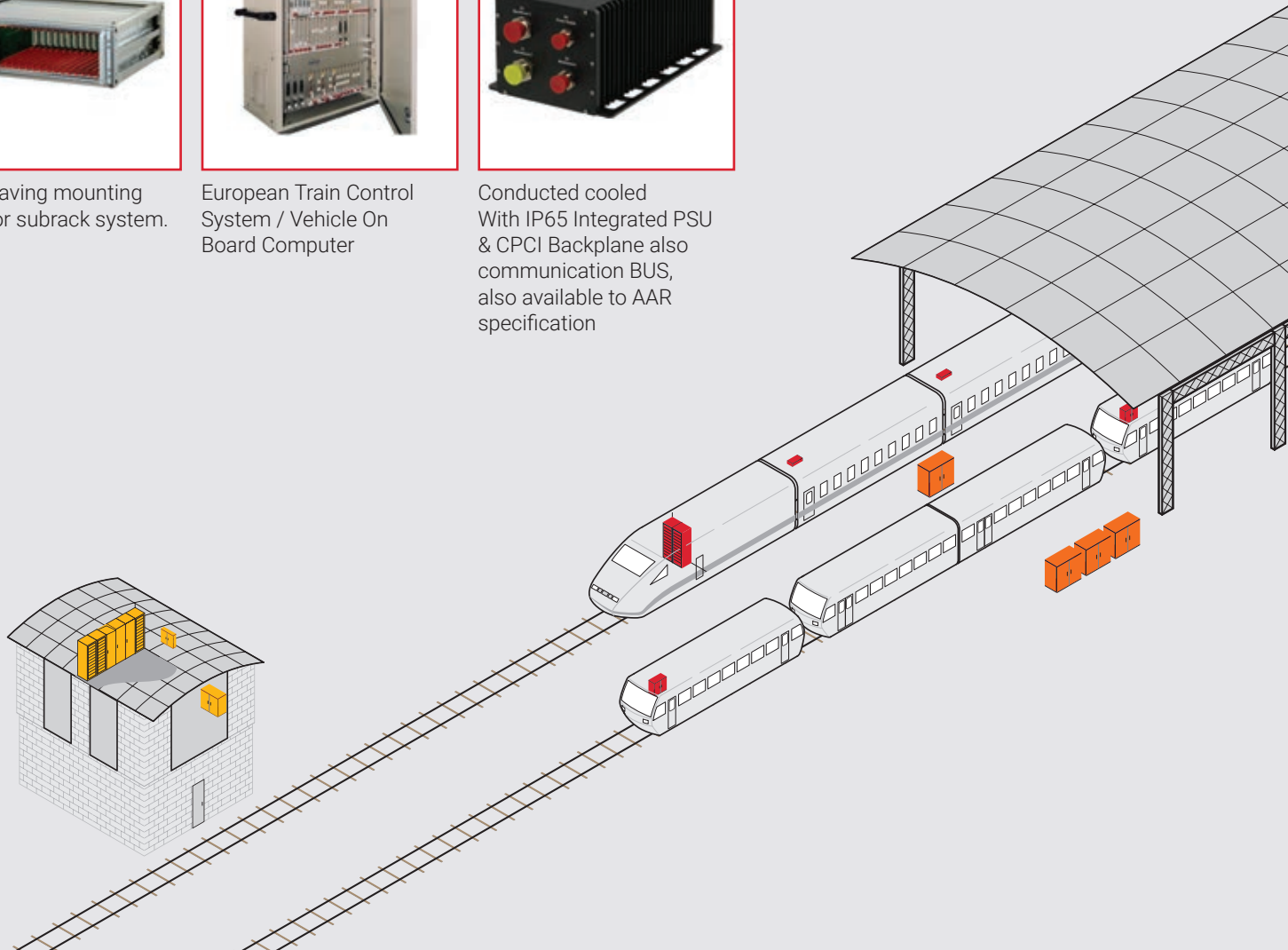
ONBOARD

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.
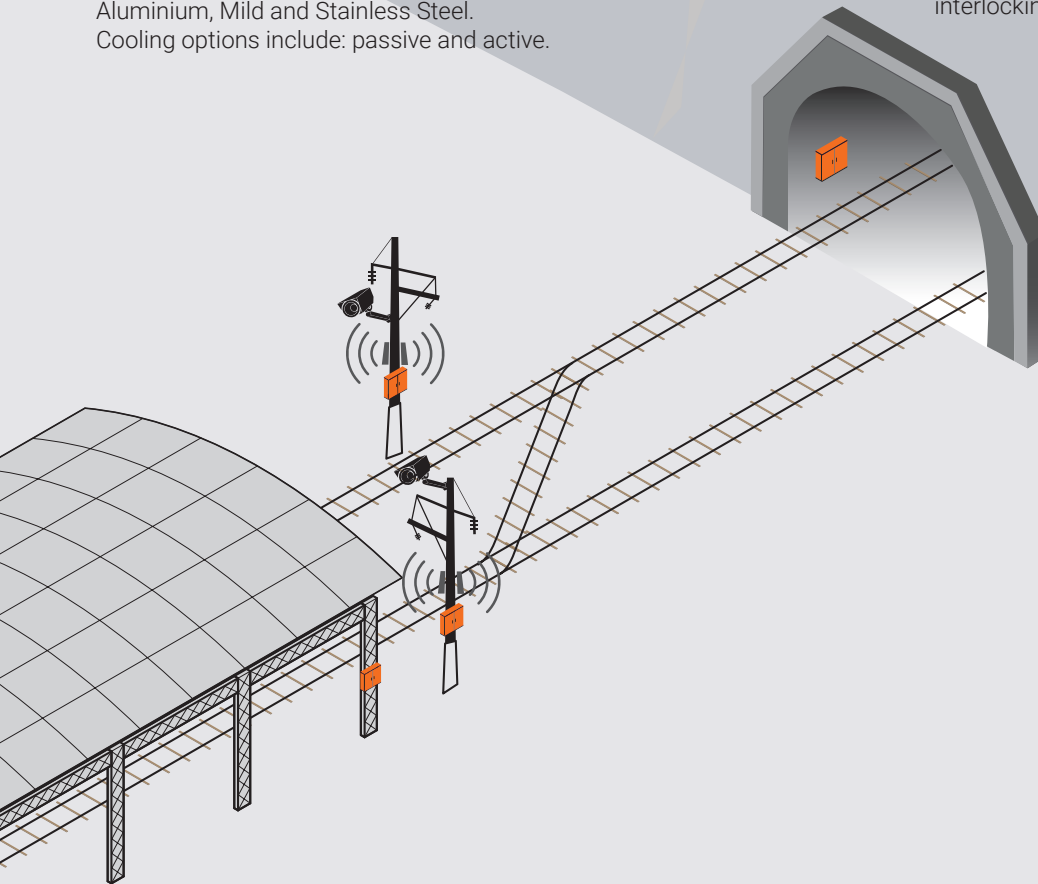Cooling options include: passive and active.

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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