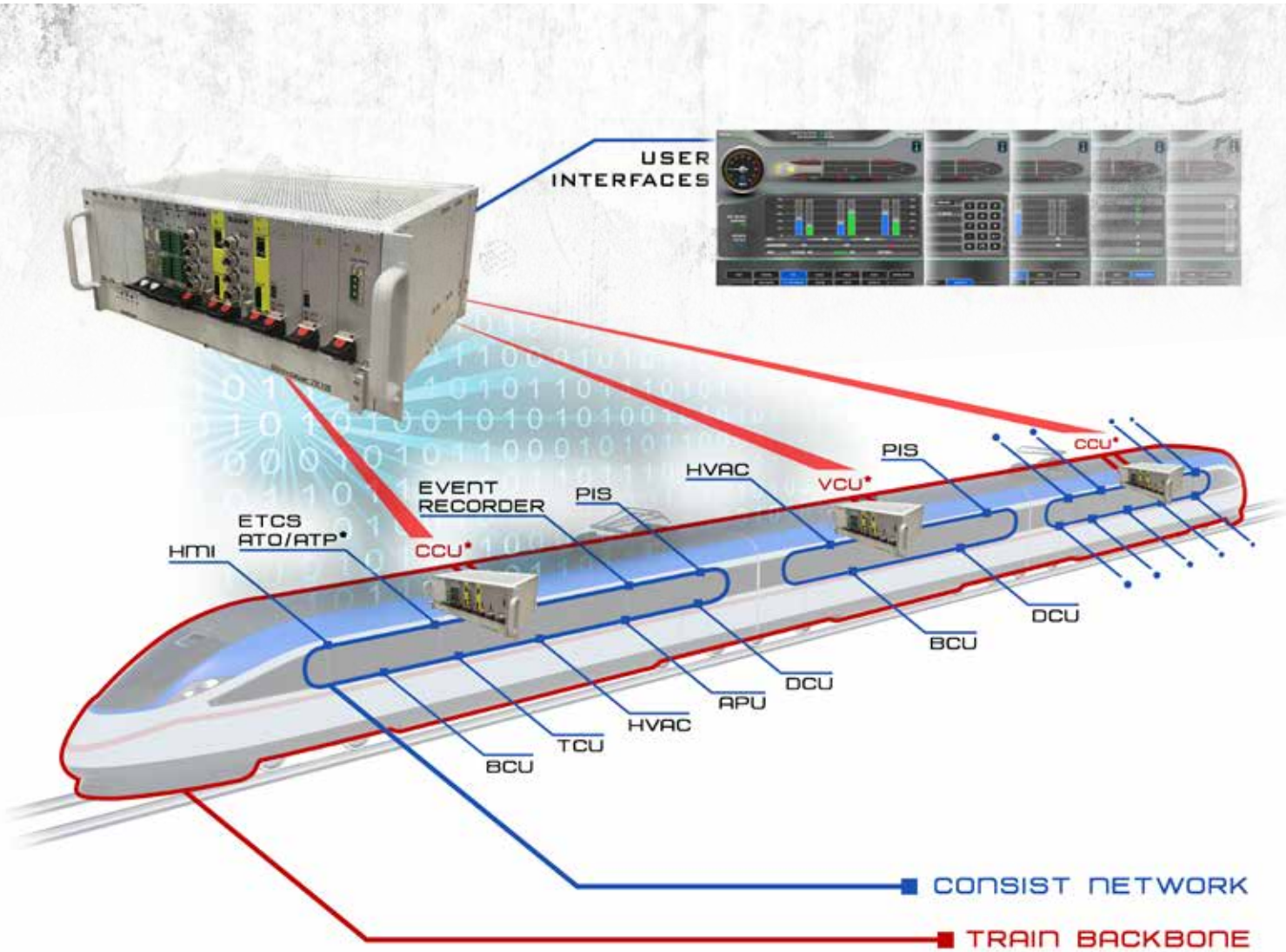


# TR-CMS

TRAIN CONTROL AND MANAGEMENT SYSTEM



# TR-CMS

## TRAIN CONTROL AND MANAGEMENT SYSTEM

### Product Description

TR-CMS provides central control of the train by coordinating emergency braking, traction, door control, light control, HVAC, Passenger Information in vehicle and inter vehicle communication systems.

TR-CMS has a flexible design to meet requirements of future trains with its modular design. With its flexible design TR-CMS can be used as ATO and ATP computers.

TR-CMS provides a complete safe control and management system with its safe hardware, software and operating system.

### Typical Applications

- High speed trains
- EMUs
- Locomotives
- Metros
- Tramway
- Light Rail Vehicles

### General Features

- Flexible system architecture
- Ethernet based train backbone communication
- Ethernet, MVB and CAN connections in vehicle bus
- I/O boards
- Safe hardware, software and operating system
- 19" cabinet mountable

### Functions

- Equipment monitoring
- Build-in onboard test
- Light control
- Door control
- HVAC control
- Brake control
- Traction control
- Announcement system
- Fault detection
- History record
- APU monitoring
- Maintenance screen

### Standards

- Functional Compatibility : EN 50155, EN61375
- Safety Compatibility : EN 50126, EN 50128, 50129

