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FERSIL, SAFETY RAILWAYS SYSTEMS

FERSIL is the Clearsy's railway product line and therefore enjoys its expertise in designing safety systems and software.

We offer scalable independent or integrated solutions that meet the highest standards. We control for this purpose B formal method tools and safety intrinsic hardware know-how. Our range of safety systems for the rail industry, combines both reliability and availability.

These systems can achieve levels of safety SIL2, SIL3 or SIL4 according to your needs and they are, in all cases, turnkey.

We design custom systems based on your specific needs.

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WWW.FERSIL-RAILWAY.COM CONTACT@FERSIL.FR WWW.**FERSIL**.FR











SAFETY RAILWAY SYSTEMS WWW.FERSIL-RAILWAY.COM



Safety railway systems Fersil-railway.com

COPP DOF1

Device to open and close the platform screen doors, safety critical SIL3 systems currently on the line 1 and line 13 of the Parisian subway

5

5

Device to open and close the platform screen doors safety critical SIL3 system currently on the line 2 and 3 of the Sao Paulo subway. Los Stockholm subway. Just track side system

DIL

SIL3 system Detection of a person in the gap zone between platform doors and train

Track safety monitoring

Platform Gap Filler













remote controller SILO, SIL2 Mixed SIL4 I/O network



(FSV

KPVA

SIL2 Automatic

RATP

BLS SIL4 System - Train Location 1/ Beacon 2/ Sensor









GAPS CERTIFER Ġ. SIL2 system Platform detection, STI

CMSAS

SIL2 track/board

communication

PMR Standard, opening and closing gap filler authorization

LP2S





Train doors audio announcement system (Embeded)











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DNH

SIL4 system, Train passage detection Hyper Frequency technology

DRF

SIL4 Axle Counter / Wheel sensor

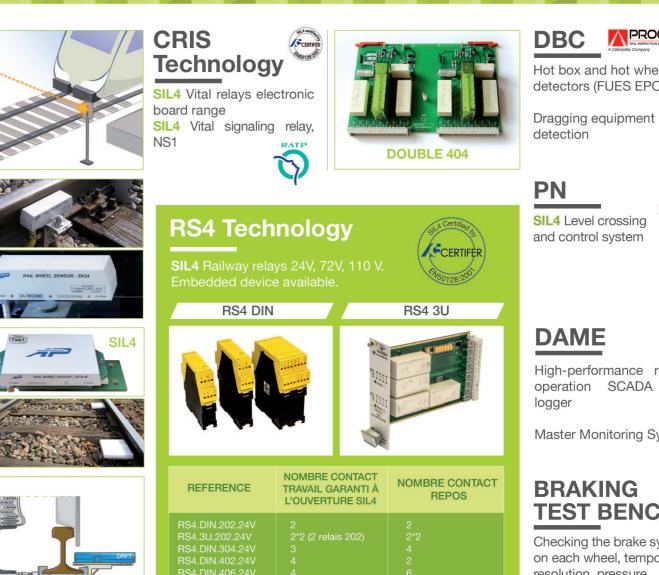
TÜVRheinland

TÜVRheinland

DRF MP

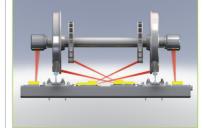
Wheel sensor dedicated to "pneumatic" train & streetcar







Hot box and hot wheel detectors (FUES EPOS)



SIL4 Level crossing and control system



DAME 5

High-performance railway operation SCADA data logger

RATP

Master Monitoring System

BRAKING **TEST BENCH**

Checking the brake system on each wheel, temporal resolution, pressure, balancing indicator

