

Safety Speed Indicators



Cab Displays

Juridical Recorders



Tone Generators

SIL2 Traction and Brake Control



SIL2 Safety Displays

GPS Clocks



A range of single- or double-needle speed indicators with galvanometers, servo-control motors or liquid crystals.

Safety Speed Indicators



LogiPlus offers a range of speed indication devices for Automatic Train Protection. In addition to the train actual speed, various items of information are relayed to the driver, such as, for example, target-distance, target-speed, and instantaneous speed instructions.



Speed Indicators



These indicators are designed to make access to more secure speed information by means of sophisticated back-reading devices. These specific requirements are especially imposed for train traffic on the SNCF network, which has incidentally sanctioned several of our indicators.

Cab Displays



Robust data entry terminals specifically designed for the railway onboard environment: compact design, large liquid crystal screen with shock-protection, robust backlit keys, etc.



Data Entry Terminals



Tone Generators

RAILTONE+

The Railtone+ is a fully static digital sound generator for train cabs. Six universal logic inputs are used to command the sounds generation.

The sounds are digitalised and stored in easily reprogrammable flash memory.

A RS485 serial link allows the full remote command of the Railtone+; tens of sounds can be stored in the sounds memory.

Railtone+ is directly powered from the train battery and has an automatic volume adjustment feature.

A range of electronic "Tone Generator" devices replacing with advantage the electromechanical noise-makers (bells, buzzers, etc) in the driver cabs; reduced dimensions, excellent reliability, faithful tone reproduction, easy programming and volume adjustment.



HARMONY

The generator, single or redundant, is packed in an electronic slide-in unit: the speakers are assembled in the cab. The generators can reproduce up to 12 different tones simultaneously.



GPS synchronised clock for accurate time display. Local time base with power back-up.

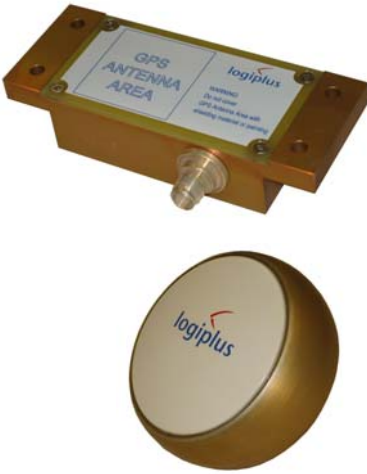
Automatic setting for summer and winter time. Displays time and day of the week.

Current loop link NF F-69010 and serial link RS485. GPS information such as Speed and position are made available on the serial link for use by other on-board equipments.

GPS Clocks



GPS Antennas



GPS Antennas for use with GPS Clock or Juridical Recorder.

Internal Antenna (above picture) is installed under the polyester roof of the train, avoiding any drilling of the roof.

'EMCO+' SIL2 speed control equipment sets the speed of the train according to the traction/brake effort value imposed by the driver and regulates the train speed in cruise control mode.

Full control of the air brake.

Redundant equipment with 'coupling-decoupling' and 'car-wash' functions.

SIL2

Traction and brake control



Badge Reader



Badge reader system for access control and driver identification.

The system is composed of a central unit and up to four base stations located near the train doors or in the dashboard.

Contactless RFID technology. Ethernet connection, SD Card 2 GB for black list and log book management. Potential free contacts for door gate control,...

DMI's

In partnership with Bachleitner&Heugel Elektronik, Logiplus offers a range of Driver-Machine interfaces specifically designed for the railway onboard environment.

These devices have a powerful PC-type architecture and can support various operating systems, including DOS, WINDOWS, LINUX, QNX and VRTX.



SIL2 Safety Displays

Installation of DMI in 'compact mode' with CPU unit attached to the Display unit or in 'split mode' with CPU installed in a remote (15 meters) 6U rack.

Video input, Integrated Wireless LAN for update of software, Ethernet, Profibus, MVB, etc.

Modular SILO or Patented SIL2 architecture with SIL2 at reduced additional cost.

Display of vital information such as speed, target-speed, air brake pressure, etc.



The ARR (Automatische Rit Registratie) unit is a trainborne recording unit fully compliant with RnV-Normblad M-002 Version 3.0.

This standard is mandatory for trains operating with ATBNG or ATBL-NL since the dedicated signals to be recorded are available.

Trainborne Recorders



ERTMS Trainborne Recorders



The ERTMS trainborne recording unit stores vital data in the crash-resistant Juridical Recording Unit and diagnostic data in a removable memory module. Integrated GPS receiver for events time stamping.

High-speed Profibus interfaces, optional MVB interface, GSM interface, CAN, High speed serial link, Ethernet, Voice-recording interface, Analog inputs interface, Logic inputs interface.



The Juridical Recording Unit is protected against train crashes (Test conditions: Fire 700°C, IP66, Ipx7, Pollutants and contaminants such as diesel oil and acid battery, crushing force of 20 kN, shocks of 100g, Magnetic fields generated by current flow of 64kA 10A/μs).



▶ Our Business

Design and manufacture of railway and industrial electronic equipment. Since our constitution in 1988, several thousand items of equipment delivered for the rolling stock of the major European networks. Our design techniques pay particular attention to aspects of safety, reliability and availability.



▶ Our Consulting Role

Consultancy at the stage of defining specifications, and possibly drafting them. Mastery of the ergonomic, visual and acoustic constraints of equipment installed in driver cabs.

▶ An Integrated Approach

As responsible industrial partner, Logiplus takes equipment completely in hand, from its design stage to its long-term maintenance.

▶ Control of Standards

LogiPlus controls the design standards of railway onboard equipment and industrial equipment. Our products operate in a strongly challenged environment: extreme temperatures, damp, dust, sustained vibration, chemically hostile milieu, strong electromagnetic disturbances, etc.



▶ Flexibility and Reactivity

Flexibility and Reactivity are assets enabling us to respond to specific customer constraints with short lead-times.

▶ ISO 9001:2000

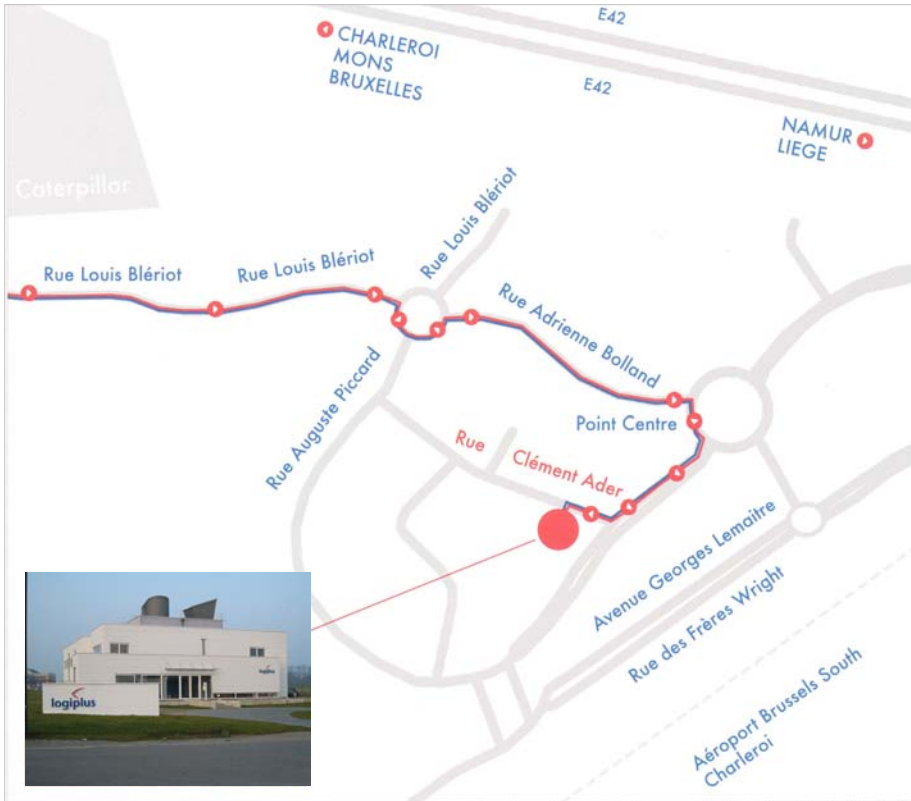
Since 1998 ISO9001 certified for design, production and long-term maintenance. LogiPlus masters the supply chain for all items required for equipment manufacture. The traceability of delivered products is perfectly organised.

▶ Long-Term Maintenance

We operate a long-term after-sales service for our equipment, especially for railway products that can last for more than 25 years.



▶ How to find us



From Brussels: Follow A54 direction Charleroi to the crossing with A15-E42, there take the direction Namur Liège and after 2 km take exit 16bis 'Genappe'. In the exit lane keep left direction 'Charleroi'. At first roundabout, take 3rd exit direction 'Charleroi'. At second roundabout (caterpillar bulldozer), take 3rd exit direction 'Aéropole' and follow arrows 'POINT CENTRE'.

From Paris-Mons: Follow A15-E42, direction Namur Liège, take exit 16bis 'Genappe'. In the exit lane keep left direction 'Charleroi'. At first roundabout, take 3rd exit direction 'Charleroi'. At second roundabout (caterpillar bulldozer), take 3rd exit direction 'Aéropole' and follow arrows 'POINT CENTRE'.

From Liège-Namur: Follow A15-E42, take exit 16bis 'Gosselies'. In the exit lane keep right direction 'Charleroi'. At first roundabout, take 2nd exit direction 'Charleroi'. At second roundabout (caterpillar bulldozer), take 3rd exit direction 'Aéropole' and follow arrows 'POINT CENTRE'.

▶ The road map is also downloadable from our website



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