



BOGGIEGUARD

Tranquility on all the line

Active monitoring of the tires inflation for guided vehicles



Why to choose **BOGGIEGUARD**?

The PI SYSTEM AUTOMATION Solution

- Accuracy of measurement up to +/-0.5 bar
- Reliability of the System > 99%
- Rate of wrong detection < 0.5%
- Compatible with speed vehicles up to 100 km/h
- Compatible with all existing vehicles
- Reduces the maintenance time

To anticipate the risks

SAFETY HMI

- Make sure that the safety level is the best for all your staff and guarantee a fluid traffic
- Get a traceability and a specific tool for the faults storage

To capitalize on reliable bases

30 YEARS
OF EXPERIENCE

- Benefit from proven technical friendly and scalable solutions over the past 30 years (Paris, Lyon, Santiago du Chili), opened on embedded pressure sensor technologies
- If necessary, the system can be associated with a wiper detection system

For a simpler and more effective organization

REMOTE
ACCESS

- Win in interactivity, availability, and flexibility thanks to the planned and measurable actions in real-time on your park..
- Access all of the information from all points from your network.

For immediate and sustainable profitability

EXPLOITATION
AND
OPERATION

- Significant savings in installation and operation, while keeping your existing central computer system.
- System compatible with the existing centralized control station
- The system will interface with the existing railway signals

BOGGIEGUARD, Tranquility on all the line

The + security

- Preventive actions to ensure a fluid traffic and to limit the stops of trains
- Minimization of risk for users and equipment,
- Permanent 24/24 monitoring and system diagnosis with a minimum rate of rate of intervention on the railway
- Data storage on specific flash drives
- Recognition of the tire type (mapping)
- Slow pressure loss detection

The + reliability

- Specific analysis for the rolling tires, guide tires and also for the negative wipers
- Smoothness and reliability of the collected data in real time (identification and composition of the train)
- Extraction of smart information from the operating system LINUX, transmitted on ergonomic interfaces
- Easy customization of analysis with the ability of data exporting in EXCEL
- Traceability through a database storage PostgreSQL
- MTBF > 5 years and minimum system durability up to 10 years

The + organization

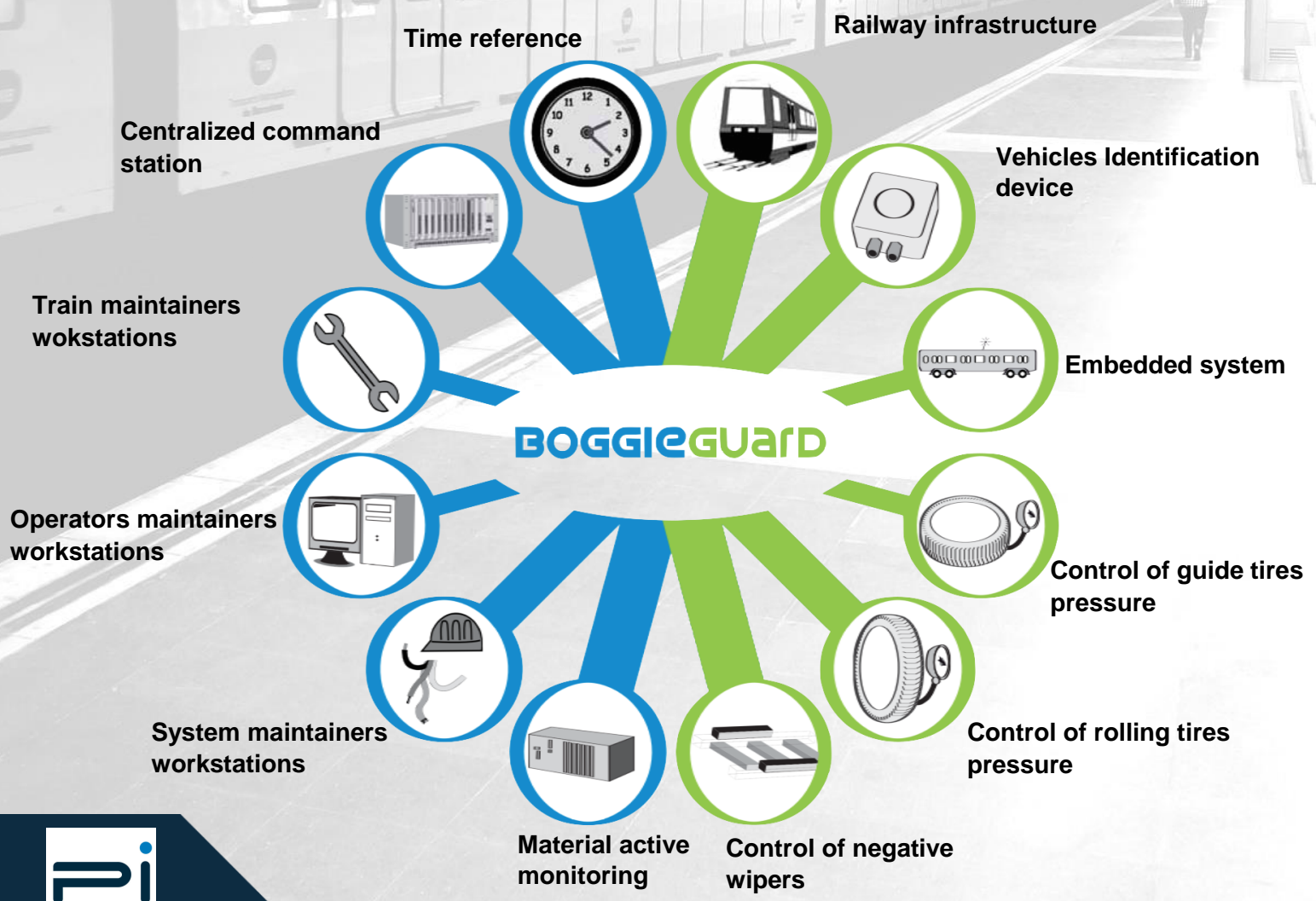
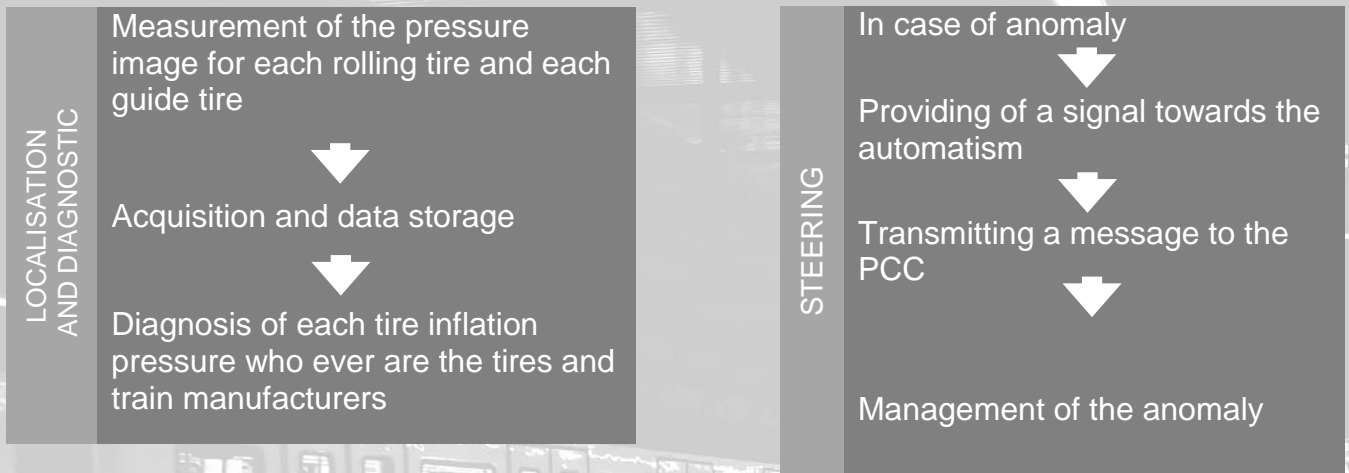
- The system is compatible with any computer architecture
- Optimization of the train's availability by planning early interventions
- Availability of data in real time, accessible at any point on the client network from workstations authorized by password
- Coordination of all the system users
- Dedicated communication for PCC and PML
- Remote access to set up all the system
- Web HMI dedicated to each kind of users (operators, train maintainers, system maintainers)

The + profitability

- Global and comprehensive offer including installation, training and maintenance of the system
- Optimization of the devices number to maintain
- Adaptable and scalable technology with the possibility to integrate new systems (by example template control, command of railway signals)
- Minimum stock of spare parts
- Time savings and reduced solicitation of the work teams on the ground
- Optimization of the tire park and its life duration
- No additional maintenance cost on the vehicles

BOGGIEGUARD,

The best solution for inflation anomaly detection of guided vehicles tires



BOGGIEGUARD,

Profit from the know-how of an expert partner

Specialist for more than 30 years in the study and the realization of industrial systems, PI SYSTEM AUTOMATION manufactures and installs high-tech equipments.

PI SYSTEM AUTOMATION activities are certified. Our company has the best human and material resources, to offer to all our customers, global automated systems with many kind of activities and installed all over the world.

The maintaining to the highest levels of our skills assures you the sustainability of your investment.

They trust us:

RATP
Alstom
Kéolis
Michelin
Métro SA
AREVA
Cegelec
Danone
Faurecia
Gefco
Peugeot
Renault
Schneider Electric
Vistéon...

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