GLOBAL SOLUTION

A NEW, ENHANCED MOBILITY EXPERIENCE

A network that bring people together

OUR MAIN CLIENTS
ALSTOM
BOMBARDIER
CAF
EGIS RAIL
INFRAEL
INFRABEL
RAI
SIEMENS MOBILITY
SNCF
TALGO
THALES
WABTEC

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DIGITAL EXPERTISE

- Robotics/Cobotics
- Augmented Reality & AR
- Operator
- Data Processing & Protection
- Cybersecurity
- IoT
- 3D Modeling
- Predictive Maintenance

SUCCESS STORIES

- Development of embedded Train Control Monitoring System software
- Engineering Change Note: analyzing and estimating the costs of modifications throughout series production for the full range of trains
- Implementation of the BIM protocol

AKKA SUPPORTS ALL YOUR PROJECTS WITH PASSION, EXPERIENCE AND FLEXIBILITY

ROLLING STOCK

- Mechanical design
- Calculations and Simulations
- Equipment integration
- Interior fittings
- Architecture & technical specifications
- Testing
- Powertrain calculators
- Maintenance
- TCMS

SIGNALING

- CBTC
- ERTMS
- Bi-standard
- Networks
- ETCS

INFRASTRUCTURE ENGINEERING

- Stations
- Passenger facilities
- Rail systems
- Structural engineering
- Underground facilities
- Catering lines

PASSENGER INFORMATION SYSTEMS

- Ticketing systems
- Communication
- Infotainment
- Smartphone apps for passengers

MOBILITY, AUTONOMY, CONNECTIVITY

- Sensor installation and settings
- On-board data management
- System and actuator regulation
- Information management
- Data access
- ADAS
- Multimodal transportation

CROSS COMPETENCIES

- Big data infrastructure & analytics
- Smart connected solutions
- Systems security

OUR DISTINCTIVE STRONG POINTS

- AKKA Research, a dedicated R&D organization with 21 Operational Centers
- The AKKAdemy, an in-house international training facility for high potential engineering talents
- Our cross-fertilization capabilities, transferring mature and proven technologies to the railway sector
- Our Innovation & digital expertise
- A capacity to provide innovative, tailor-made solutions