

## Knorr-Bremse makes mobility safe. By rail and road. Every day. Across the globe.



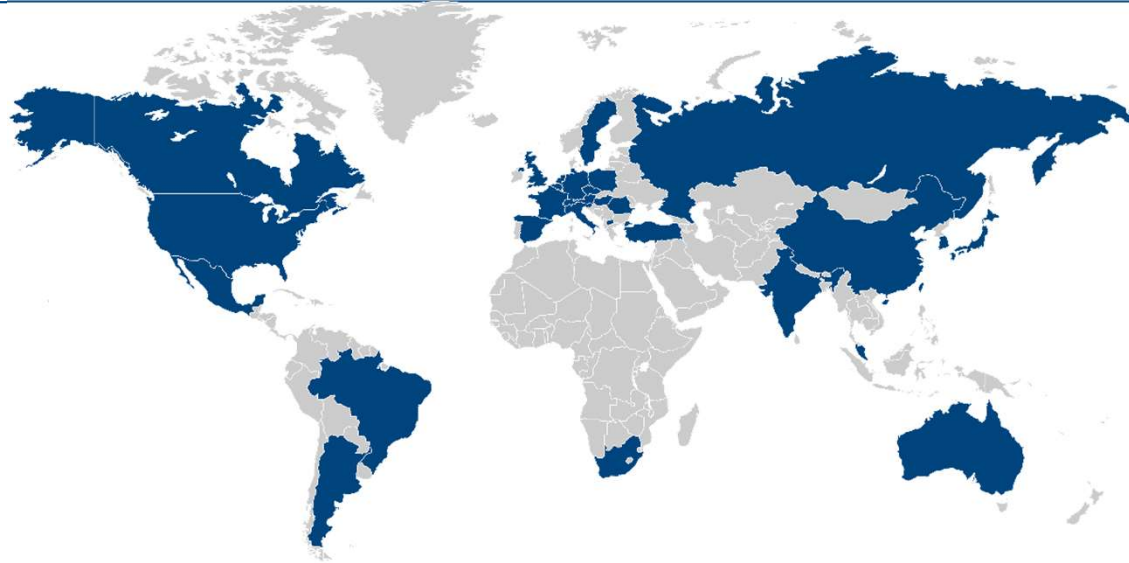
### RAIL VEHICLE SYSTEMS

- High-speed trains
- Regional & commuter trains
- Metros
- LRVs
- Monorails
- Locomotives
- Passenger cars
- Freight cars
- Off-train

### COMMERCIAL VEHICLE SYSTEMS

- Trucks
- Trailers
- Buses
- Engines
- Special vehicles

## Knorr-Bremse is based in 30 countries/regions around the world at more than 100 locations, some 80 of which are manufacturing facilities



### THE AMERICAS

- Argentina
- Brazil
- Canada
- Mexico
- USA



### EUROPE/AFRICA/MIDDLE EAST

- Austria
- Belgium
- Czech Republic
- Germany
- France
- Hungary
- Italy
- Macedonia
- Netherlands
- Poland
- Romania
- Russia
- Spain
- Sweden
- Switzerland
- South Africa
- Turkey
- United Kingdom



### ASI/PACIFIC

- Australia
- China
- India
- Japan
- Kazakhstan
- Singapore
- South Korea

## Customer Orientation - Connected Systems to enhance the Value of Customers



Windscreen Wiper and Wash Systems



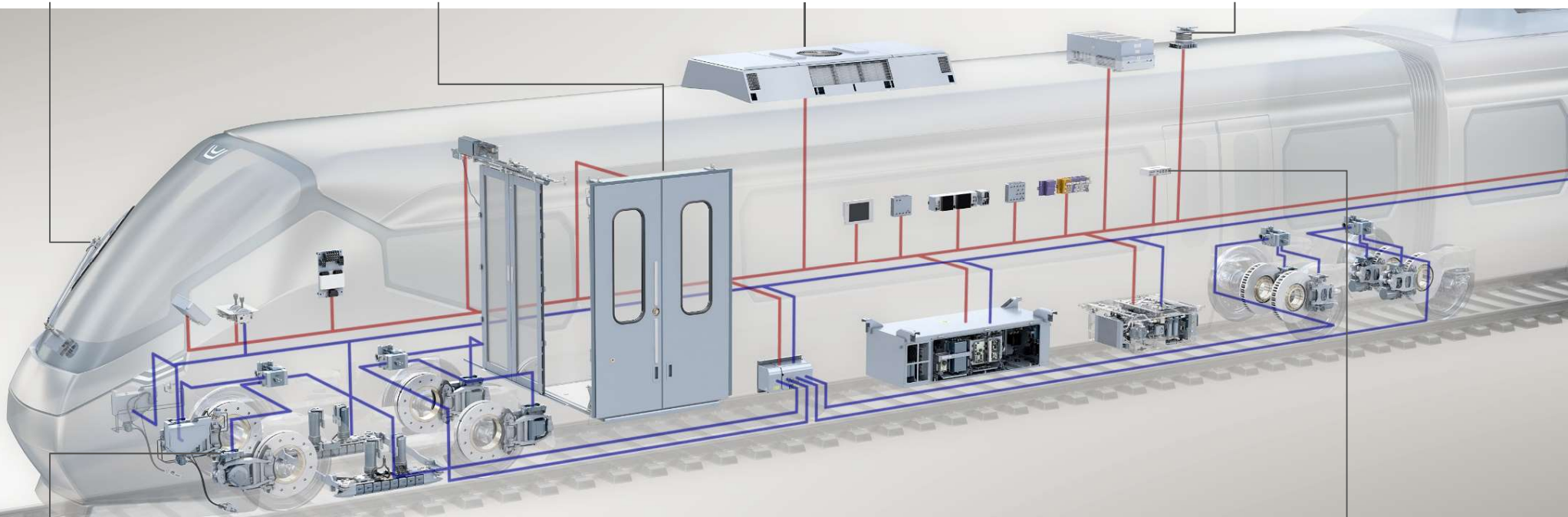
Entrance Systems  
Internal Doors



Climate Management



Power Electrics



Brake Systems



Control and Management Systems



Traction Systems



Auxiliary Power Supply



Modernization & Support



## Knorr-Bremse: From a brake systems to vehicle motion control supplier



### WHEELEND

- Disc brakes
- Drum brakes
- Actuators

### AIR SUPPLY

- Compressors
- Electronic air control
- Air processing units

### POWERTRAIN

- Transmission control
- Clutch actuation
- Dampers
- EGR valves
- Exhaust brakes
- Inverter, converter
- E-Mobility solutions

### STEERING

- Rack and pinion steering
- Recirculating ball steering
- iHSA<sup>®</sup> - torque overlay steering

### VEHICLE DYNAMICS

- ABS, EBS, ESP
- Electronic levelling control
- iTAP<sup>®</sup>: intelligent trailer access point
- Valves
- Advanced driver assistance systems
- Automated driving