



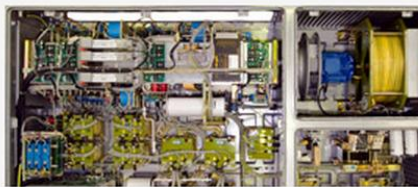
Vehicles Vehicle equipment Equipment for railway infrastructure Modernization, refurbishment and maintenance

ELECTRIC TRACTION



VEHICLES

- general purpose electrical locomotives
- electric multiple units (city and intercity)
- shunting locomotives
- industrial locomotives
- mine locomotives
- DC operated tramcars
- low-floor tramcars with asynchronous induction drives



VEHICLE EQUIPMENT

- DC traction motors
- induction traction motors
- locomotive transformers
- main drive rectifiers
- multi-system voltage converters for train cars
- induction tramcar drive converters
- computer control units for locomotives
- computer control units for tramcars



EQUIPMENT FOR RAILWAY INFRASTRUCTURE

- electric traction substations
- rectifier stations
- sectioning plants
- reactive power compensation plants
- turnout heating devices
- coach pre-heating devices
- signal and safety devices

ELECTRIC TRACTION SUBSTATIONS



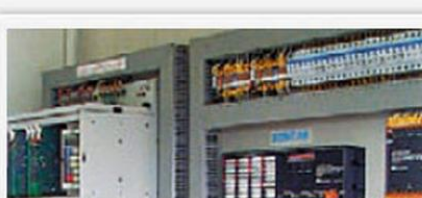
TRANSFORMERS



LEVEL CROSSINGS



CENTRAL LOGIC EQUIPMENT



PLANTS



SWITCHGEAR FOR PRE-HEATING AND AIR-CONDITIONING OF THE PASSENGER TRAINS



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