



Railway

Global partner
in rail for
power supply

Comprehensive solution for AC and DC rail electrification

- Traction power substations (built in place and containerized solutions)
- Switching and paralleling stations
- Wayside energy storage systems
- Cabling works for the feeders including AC and DC cables
- Civil and installation works
- Systems studies and traction power simulations
- Main power stations
- SCADA systems for railway applications
- Third rails and power rails from 750 V DC to 3000 V DC
- Overhead catenary system for both AC and DC application

Tailored solutions for our clients

- Skilled, reliable and committed partner for the complete portfolio for rail electrification
- Predictable and cost-efficient solutions for sustainable business
- Grid-complaint solutions
- Compact and modular design with a high degree of integration
- Compliance to EMC and stray currents
- Compliance to RAMS requirements

Flexible services for diverse needs

Powering sustainable and efficient rail from grid to vehicle



Energy efficiency

Involving use of energy-efficient equipment, optimizing power usage, and implementing energy recovery systems



Optimized design

Cost-effective design using advanced design tools and conducting simulation studies



Digital solution

Digital twins for power systems, moving from time-based maintenance to criticality-based maintenance



Increase reliability

Reliability analysis for the equipments procured and best practices in installation



Partial upgrade

Improving performance of the rail system without disrupting the entire operation during partial upgrade and retrofit



Reduced interface

Multi-disciplinary coordination interface management plans, ensuring smooth integration of various subsystems

Our references

AC and DC applications



Delivered DC wayside traction and auxiliary substation



Delivered AC traction substation for 25 kV OHE system



Delivered third rail projects at 750 V DC and a 25 kV OHE project

Experience and delivery



3 projects executed with different clients



4 projects under execution globally



Projects in progress Urban Mass Transit and Regional Transit System

System engineering and integration



Traction simulation of 750 V DC and 25 kV OHE system



Interface management with multiple stake holders



Requirements and configuration management

Contact us

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Learn more

