Rail Power Systems

RAILWAY ELECTRIFICATION

Advising. Planning. Delivering. Realising. Maintaining.

OUR CORPORATE OBJECTIVE

SYSTEM PROVIDER FOR RAILWAY ELECTRIFICATION

High-speed rail traffic

As a leading provider of electrical equipment for track-guided transport systems with electrical traction, Rail Power Systems provides its share of efficient and sustainable solutions with its products and services.

Globalisation of the economy, population growth in conurbations and limited fossil fuel resources require high-performance and energy-efficient transport systems. Whether it's high-speed railways lines, metro and city train systems, electrically-powered bus networks or special trains: Rail Power Systems' components, systems and services are used in all these systems.

Innovative technical solutions by Rail Power Systems, both for the traction systems of alternating and direct current railways and for all types of electrical line installations, have a hand in making rail-guided transport high-performance and also competitive compared with other means of transport. A great deal of attention is paid to terms such as interoperability, sustainability, reliability, availability, maintainability and safety during the development and implementation of our products and services. There are decades of experience behind each contact line section and substation. The use of modern technologies, taking current standards into account, quality monitoring, absolute professionalism and passion result in the perfect result for the user and justify their trust. The consistent focus on the wishes and requirements of our customers, combined with the ideal combination of standardisation and flexibility guarantees individual solutions with the highest level of efficiency.

Experience you can trust.

Mainline systems

Regional rail transport

Metro systems

Light rail and tram systems

Industrial railway

EXPERTISE FROM OVER 125 YEARS OF EXPERIENCE

AEG 1889 → ABB 1988 → ADtranz 1996 → Balfour Beatty 2000 → RPS 2016

RAIL POWER SYSTEMS

We advise, plan, deliver, realise and maintain.

- comprehensive consideration of life cycles
- customised technologies
- procedures and solutions as needed
- innovative engineering services

OUR CLAIM

THE IDEAL PARTNER AT YOUR SIDE!

We as the system provider take overall responsibility for planning, realising and commissioning your project.

Throughout all phases of planning and realisation, our teams concentrate on the optimum system and interface integration and the on-schedule implementation of individual systems.

Success requires close cooperation based on partnership and mutual understanding for the objective, the budgets, the project requirements and the system capacities.

The numerous successfully executed projects around the world prove that Rail Power Systems knows how to realise the complex relationships in this kind of project.

PORTFOLIO

QUALITY. EFFICIENCY. DELIVERY RELIABILITY.

Portfolio overview

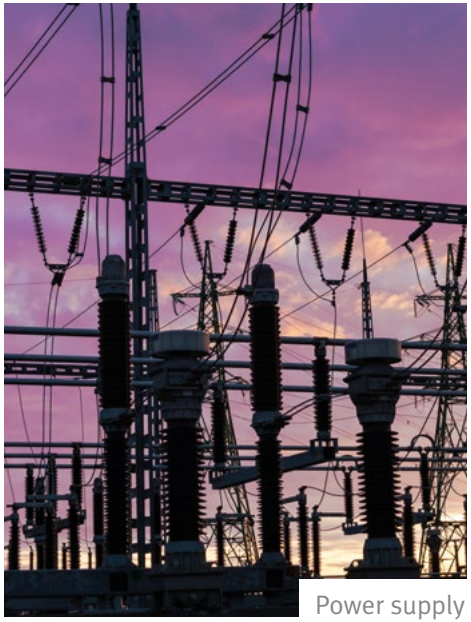
Advice | Planning | Production | Realisation | Commissioning/ supervision | Maintenance

Electrification of rail-guided transport systems

- Contact line
- Earthing and return circuit
- Power supply
- Protection and control technology
- Auxiliary power systems
- Telecommunication

RAIL POWER SYSTEMS

- Long-term, successful partnership for optimum collaboration.
- Decades of experience in Germany, Europe and worldwide.
- Expertise throughout the entire life cycle of electrified rail-guided transport systems.
- Complete technological depth from the feasibility study to in-house product development and maintenance concepts.



Power supply

Contact line

Auxiliary power systems

PLANNING AND ENGINEERING SERVICES

- Planning competence for all electrical railway systems.
- The combination of sound knowledge of railway electrification and comprehensive practical experience.
- Covering all life cycle phases from conceptual design and feasibility studies to design, planning, realisation, commissioning and maintenance.
- Independent advice services including expert reports, simulations and software tools such as TracFeed® Catmos, TracFeed® Catlife, Intelliplan, ProAssist, for example.

PROJECT REALISATION

- Technical competency in realisation and commissioning.
- Core competencies in the implementation of railway electrification projects with worldwide references.
- Our own components, systems and software tools.
- Open to collaborating with local partners.

MAJOR PROJECTS

2019

Beijing Daxing, Beijing (MT): Airport Link, double track section between Caoqiao to Daxing, design and delivery of TracFeed® OSS110, China

ABS 48 (Geltendrof-Memmingen-Lindau) (ML): Electrification, erection of the Overhead Contact System (VE 04A), 5 new AT stations, Tie Station Lindau and Coupling Station Reutin Germany

Höllentalbahn (ML): Electrification, erection of the Overhead Contact System (section east) incl. TracFeed® OLSP, new Tie Stations Donaueschingen and Titisee, Germany

Bützow/Schwerin (ML): New construction of 2 SFC stations, Germany

KVB Cologne (MT): Renewal of 5 DC substations, Germany

ICE-Maintenance Facility Basel (ML): Partial renewal, TracFeed® AEA and retractable TracFeed® OSS, Switzerland

ICE Maintenance Facility Hamburg-Eidelstedt (LDT): Renewal of 15 kV Incoming Feeders, TracFeed® AEA, Germany

Tel Aviv (MT): LRT Red Line, DC Switchgear, Israel

Rotterdam (MT): RET, DC Switchgear, Netherlands

Chengdu (MT): Metro-Line 9, DC Switchgear, China

Triesdorf-Ansbach-Oberdachstetten (ML): Renewal of the Overhead Contact Line system (Re200/Re100), Germany

Radebeuel, Meißener Straße (MT): Dismantling and new construction of the Overhead Contact Line system, Germany

2. S-Bahn Trunk Line Munich (MT): Reconstruction and expansion of the Overhead Contact Line system for the future tunnel, Germany

Ankeng, Danhai (MT): TracFeed® SCM Stray Current Monitoring system, Taiwan

Freilassing - Hallthurm (ML): Modernisation of the Overhead Contact Line system (Upgrade to Re 100/Re 200), Germany

S6 Bad Vilbel (Lot 1+2) (MT): 4-track expansion of the Overhead Contact Line system between Frankfurt West and Bad Vilbel, Germany

Salt Lake City (ML): Overhead Contact Line system for Test Track, USA

Stuttgart 21 (ML): PA 1.7 Stuttgart Center-Filder area, erection of the Overhead Conductor Rail System incl. transitions to the tensioned OCS, new construction of 4 Tie Posts, lots A and C for 50 Hz and Telecommunication

2020

Seoul, Silim Line (MT): DC Switchgear, South Korea

Molnby (ML): Depot, Overhead Conductor Rail TracFeed® OSS, Sweden

Beijing (MT): Metro Line 17, Delivery of DC Substation Components, China

Zwickau (MT): Framework contract for the delivery, installation and commissioning of 6 compact DC substations, Germany

ABS Oldenburg Wilhelmshaven (ML): New construction Tie Post Oldenburg, Substation Rastede and 2 Autotransformer Stations

ESTW Ruhland (ML): New construction of an LED track field lighting, Germany

Leipzig, Rosa-Luxemburg-Straße (MT): Dismantling and new construction of the Overhead Contact Line system with earthworks, Germany

Stuttgart 21 (ML): PFA 1.6a, Connection of the interregional track and its Overhead Contact Line system, Germany

Rastatt (ML): Rheintalbahn restoration of the eastern tube of the tunnel Rastatt, Overhead Contact Line system work, Germany

2021

Weimar (ML): New construction of a photovoltaic system for the direct feed into the 16,7 Hz-Overhead Contact Line-system, Germany

ESTW Altenburg (ML): Establishment of the execution planning of the Overhead Contact Line system and dismantling, Germany

Finnland (ML): Delivery of Overhead Contact Line components

Varna und Rasgrad (ML): Delivery of 25-kV Switchgear TracFeed® TAS for the substations, Bulgaria

Oldenburg-Rastede (ML): Electrification of the section Bf Oldenburg - Bf Rastede (Railway-km 11,3), Germany

MT = Mass Transit
ML = Main Line

RPS/EN/100/1121

RAIL POWER SYSTEMS GMBH

Garmischer Straße 35 | 81373 Munich | Germany | T +49 89 41999-0 | F +49 89 41999-270 | info@rail-ps.com | www.rail-ps.com