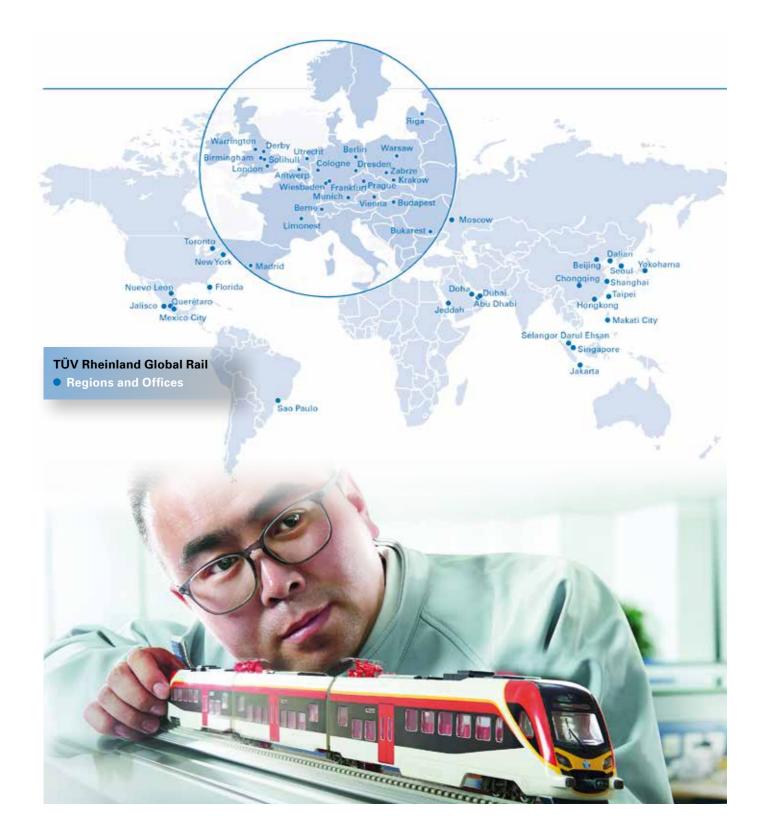




Our Mission Statement: Comprehensive Consultancy for Rail Transport.

TÜV Rheinland has been one of the world's leading service providers for rail-bound traffic for 45 years: Today, more than 350 experienced experts at 40 locations in 20 nations work within a uniformly managed, globally active business field in the areas of planning, assessment, consulting and training.

Rooted in technology, but with an excellent economic understanding. We support you from the idea throughout the entire product or project life cycle with professional solutions: **PRECISELY. RIGHT.**



Make-or-Buy Analysis

Moderation Claim & Contract Management

Innovation Radar

Software Implementation

Urban Public Transport Planning

Lean Management | T Security | Workshop Planning & Organisation

Bid Support

Track Access Charging Schemes

Market Analysis

E-Mobility

Quality Monitoring

Tender Specifications Financial Risk Analysis

Approval Management

Specification Sheet

Rolling Stock
Financing Models

Vehicle Database
Benchmarking Cybe

Benchmarking Cyber Security

Asset Management SMS ECM

Supply Chain Management

Smart Ticketing Obsolescence & M&A

Spare Parts Management

RAMS Engineering

Damage Assessment Cost-Benefit Analysis

Requirements Management

Feasibility Studies

Modernisation

Procurement Planning

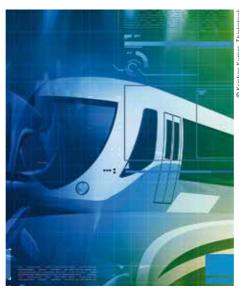
Due Diligence Operating Concept Definition

Fuel Cells











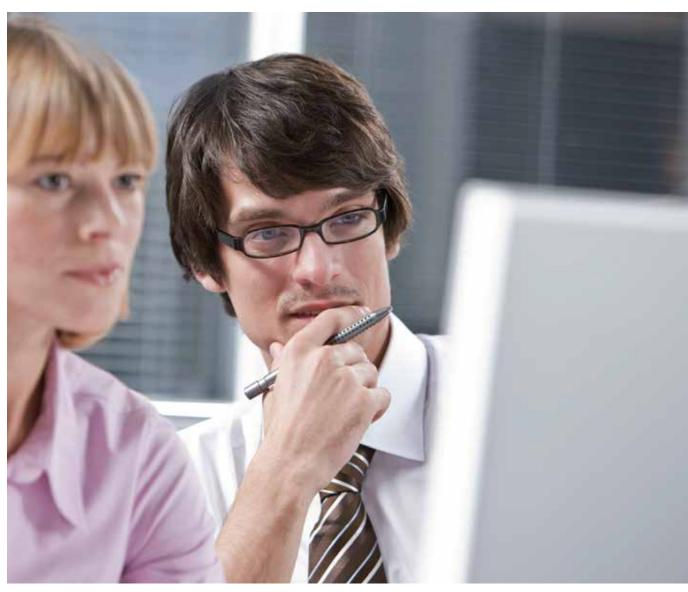


Our Consulting Portfolio: Everything to Make Your Project Perfect.

System houses, component suppliers, construction companies, operators, maintenance companies, financiers and leasing companies as well as supervisory authorities, public transport authorities and the public sector are among our customers.

We are active in all segments of rail-bound transport: heavy rail (high-speed traffic, conventional traffic, regional passenger rail transport, freight traffic), urban rail (e.g. metro, light rail, tram) and other systems (People Mover, cable cars, trolleys, special-purpose vehicles), both for vehicles and infrastructure: With our independent and competent support, let us find answers for tomorrow's transport.





MARKET & COMPETITION

Solution-oriented and and monitoring your risk indicators – no matter what challenge you are facing: M&A, make-or-buy decision, negotiations, new fleet or asset strategy, commissioning, re-organisation. With many years of experience and excellent knowledge of technology, operation, market, normative and contractual requirements – we help to increase market shares, develop fleet strategies, procure the right rail vehicles in the right quality or monitor contract conformity – and more.

Market Entry & Business Development

Tender Support

Vehicle Procurement

Construction Supervision & Asset Assessment

Technical Controlling

Damage & Incident Appraisals

Implementation of Alternative Fuel / Power Systems



SAFETY & HOMOLOGATION

Stuctured requirement management and proven-in-use methods for RAMS engineering – professional support for your product development, fast and efficient approval processes or functional safety analysis.

Approval & Homologation

Safety Management

Hazard & Risk Analysis

Requirements Management

RAM/LCC Prognosis, Modelling & Analysis

Cyber & Information Security



OPERATION & MAINTENANCE

Proven methods enabling holistically optimised maintenance and economically viable workshop operation – with the shortest possible lead times, safe and state-of-the-art production, stable and efficient processes as well as clear interfaces between workshop, operation, procurement and scheduling.

Maintenance Strategy, Maintenance Digitalisation

Lean Management, Maintenance & Operation Processes

Workshop Strategies

Concept & Implementation of ECM and SMS

Supply Chain Management, Spare Parts Concept



INFRASTRUCTURE

The transport infrastructure is the connecting link between people and locations and therefore absolutely essential for a positive development of society. Our consulting services support you with your decision making, preparation and realisation of sustainable solutions at optimised investment costs considering the consequential charges for

Operating and Transport Plans

Feasibility Studies

Cost-benefit Analyses

System Engineering / Maintenance Plan and Optimisation

Project and Quality Management



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