



RAILWAY
SYSTEMS
by voestalpine

PERFORMANCE ON TRACK®

Innovative System Solutions
for Future-Proof Networks

voestalpine Railway Systems
www.voestalpine.com/railway-systems

voestalpine

ONE STEP AHEAD.

PERFORMANCE ON TRACK®

Innovative System Solutions
for Future-Proof Networks



● MOBILITY

● INNOVATION

● SUSTAINABILITY

Mobility is undergoing a transformation. Population growth, urbanization and increasing levels of freight traffic are boosting the demand for high-efficiency, environmentally compatible transport solutions worldwide.

As the global market leader voestalpine Railway Systems concentrates on developing smart system solutions for the rail infrastructure of tomorrow. Founded on 160 years of experience and pioneering technical expertise as well as engineering knowledge, our products and services result in outstanding benefit to customers. That's what we call "Performance on Track": the greatest

possible availability with the lowest possible life cycle costs. High mobility with maximum innovation and sustainability.

With the Railway Systems brand we offer top-quality products and services for rails, turnouts, fastening systems and signaling technology. We ensure high-performance, safe and sustainable tracks in the world of the railways. This way we secure for you measurable top performance with minimum system costs. A promise that we, as the only manufacturer on the global market, are not just able to give, but also keep.

● INNOVATION & EXPERTISE:

As an internationally acknowledged technology leader, we can call on expertise in R&D and engineering that provides our customers with a significant competitive advantage.

● FIRST SYSTEMS HOUSE FOR RAIL TRACK:

As a full-range supplier for all types of rail traffic (mixed traffic, high-speed routes, urban transport and freight traffic) we will offer the solution that is exactly right for you.

● A GLOBAL APPROACH:

As the global market leader we operate some 60 production facilities and sales locations on all 6 continents.

● VALUES & CULTURE:

It is the claim of our company to act in a responsible and sustainable manner in every regard – be it in issues involving the environment, safety or society.



MOBILITY

New Challenges and Demands
Future-Oriented Solutions

Flexibility, speed, reliability – mobility solutions play a key role for both man and the economy. And they are set to undergo a decisive change, both where passenger services and B2B business are concerned. The objective is system availability round the clock: 24/7.

With our customized high-performance product portfolio for rails, turnouts, signaling technology and value-adding services we increase rail transport capacities, ensuring networks run more smoothly and safely – all this while minimizing maintenance interventions, extending service life and substantially lowering overall operating costs. voestalpine Railway Systems provides you with solutions from a single source from manufacture to recycling. Thanks to our worldwide network we also guarantee punctual delivery to your chosen location. Wherever you need us.



INNOVATION

The Most Extensive and Efficient Portfolio of Infrastructure Products and Services.

 RAIL SYSTEMS

 FASTENING SYSTEMS

 SIGNALING SYSTEMS

 TRACK SOLUTIONS

 INNOVATION

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 TURNOUT SYSTEMS

INNOVATION

With our innovative system solutions we extend the options available for rail infrastructure and set standards for future market trends. Thanks to optimized materials and geometries combined with the latest manufacturing technology, we can guarantee optimum product performance and quality for rails and turnouts. The interface between track and signal technology is optimized by fully integrated and customized switching, locking and monitoring devices, while intelligent monitoring and diagnostic systems supply relevant data for targeted maintenance operations.

We make sure that we always talk to the responsible infrastructure managers about their requirements prior to the procurement phase. This allows us to develop a perfect, tailor-made solution in relation to costs over the life of the product. voestalpine's LCC tool is for example the first one of this type in the world in that it taps into our unique experience in the form of test track installations jointly monitored with our customers. It permits users to select a wide range of parameters themselves (e. g. system of operation, curve radius, load, maintenance regime), taking this as the basis to calculate the most important economic decision criteria such as capital value, annuity levels and return on investment.

Whatever our solution, we always have our eye on the future. In the understanding that the railway system can succeed only when acting in partnership with the segment stakeholders due to the increasing complexity of interconnections that require intelligent cooperation, we support rail infrastructure from application of the best bidder principle for procurement to cooperative asset management as medium-term potential. The EU research initiative Shift2Rail is just one of the drivers of the future with whom voestalpine also cooperates to a significant extent in this context.



SUSTAINABILITY

ECOLOGY

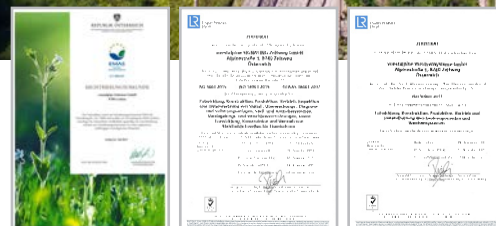
Responsibility for Man, Society and the Environment. Responsible for making Tomorrow's World Livable.

INDUSTRY

SOCIAL RESPONSIBILITY

SUSTAINABILITY

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Sustainability and efficiency are issues that are growing in importance in all areas of daily life – but nowadays social working conditions and the responsible use of resources are also coming in for greater attention. As the global market leader and part of a technology and capital goods group that sets great store by environmentally compatible processes and products, we likewise play a pioneering role here, relying on active environmental management both regarding manufacturing and our products and services. And we have not only been awarded certification here, but also prizes.

We have been awarded e. g. for the use of renewable energy from our own hydroelectric facility, return of waste heat to public networks and fully CO₂-neutral production at Europe's largest turnout plant.

Once again the following applies: Environmental responsibility is not just an empty promise, but the result of focused performance. Besides the development of innovative technologies and methods to guarantee the required availability and reduce overall system costs, we see taking account of environmental impact as a key part of adding value

for both customers and society. We are spurred on here by the fact that nowadays this is no longer possible without extensive digitalization, diagnostic / monitoring systems, data analytics and preventive maintenance regimes.



WORLDWIDE SOLUTIONS. GLOBAL NETWORK, LOCAL PARTNERS.

We offer intelligent, integrated products and services providing outstanding customer benefit for rail infrastructure operators. To name just a few references: all major mixed traffic systems in the EU, the underground in London, the subway in Riyadh and New Delhi, trams in Berlin, Washington and Melbourne, highspeed networks in Germany, China and Korea, as well as heavy haul track systems in South Africa, Brazil and Australia. Specially optimized not only for all types of traffic, but for all climate zones as well – from the desert through the jungle to biting

cold. voestalpine Railway Systems solutions can be found on every continent, standing out wherever they are used with top performance, yet minimum life cycle costs.

Our international network of companies and their in-depth exchange with our customers forms the basis of our knowledge and continuous improvement of products and processes. Our some 60 sites ensure we have a detailed understanding of local circumstances and the requirements of each customer.

Whatever you need: We think global and act local. This way you are guaranteed first-class solutions thanks to decades of experience and efficient global operations.





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