

# INNOVATIVE BY TRADITION.



# SOLUTIONS THAT FIT YOUR NEEDS.

Mobility comes in many forms. Whether the focus is on moving people or goods by land, water, or air – everyone involved in the process wants the same thing: safety, reliability, and efficiency.

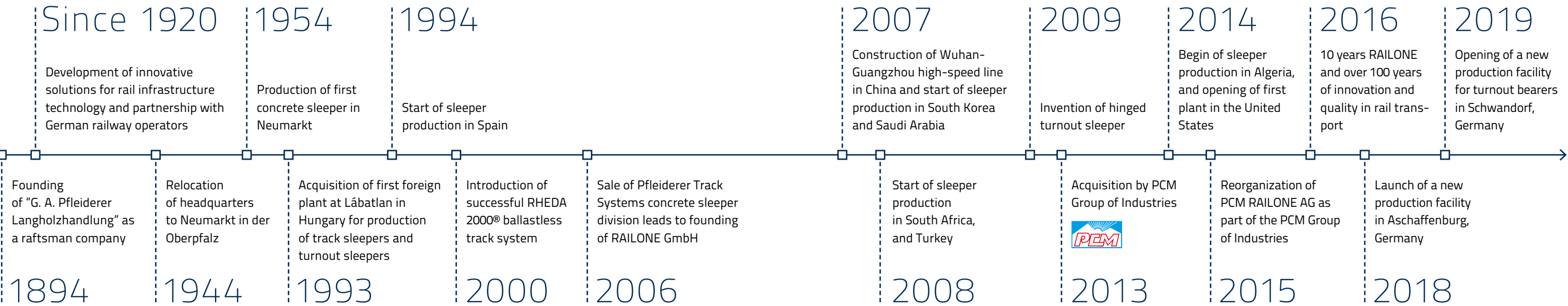
In rail transport, this presents those who build and operate infrastructure with a host of challenges: The tracks must conform to the surrounding topography and urban development and reflect the intended use for passenger or freight transport, urban transit, intercity travel, or heavy-haul loads. They must also comply with technical and environmental standards, be easy to maintain, and much more.

RAILONE is your qualified partner for concrete sleepers and track systems. We have been closely associated with the railway industry for over 100 years and have been a leader for more than 60 years in the development of high-quality concrete track and turnout sleepers. Thanks to this experience, you benefit from sophisticated, low-maintenance systems and intelligent solutions that will stand the test of time.

We combine experience, innovative spirit, and an understanding of the industry to bring you the best sleeper for every track, the ideal solution for every line, and the right know-how for every project. We work with you to develop premium, customized track solutions that meet the specific requirements of your product and locality.

## RAILONE: YOUR STRONG PARTNER FOR URBAN TRANSIT AND LONG-DISTANCE RAILWAYS.

Over 100 years of experience in the railway industry:  
Key milestones in our company's history





OUR EMPLOYEES  
ARE READY TO ASSIST YOU  
IN NINE COUNTRIES  
IN EUROPE, ASIA,  
AND NORTH AMERICA.

# QUALITY KNOWS NO LIMITS.



Our experts all over the world are at your disposal. We offer premium service at a location close to you with companies and production facilities in Germany, Saudi Arabia, Spain, South Korea, Hungary, Turkey, the United States, and India. As a partner who understands the conditions of your local market and industry, we can overcome whatever challenges make your region unique – climate, geography, or normative requirements – while always remaining true to our “made in Germany” standard of quality.

Together, we can make rail transport around the world safer, more reliable, and more efficient. Our four divisions stand ready to meet your needs with hands-on support and a consistent focus on your benefit. You can count on customized solutions with precise attention to detail:  
**Solutions your way.**

LONG-DISTANCE AND FREIGHT TRANSPORT

ENGINEERING

URBAN TRANSIT

PLANT CONSTRUCTION



Economically and ecologically, rail is the top means of conveyance and transport all over the world. Rail transportation provides a safe and green alternative for moving both people and goods. At the same time, expectations regarding comfort and reliability are rising.

Factors such as climate and topographical conditions, route utilization, and unusual axle loads make it difficult to choose a track system.

RAILONE provides comprehensive technical consultation and a broad spectrum of products and solutions to help you make this decision. We work with you to choose a system that best meets your requirements. Or we develop customized systems to build new long-lasting, durable long-distance routes based on your preferences.

OUR GOAL FOR YOUR  
LONG-DISTANCE AND  
FREIGHT TRANSPORT:  
EFFICIENCY AND  
DURABILITY.

For existing infrastructure, we offer sophisticated products to adapt your tracks to changing specifications – even as normal operations continue.

For decades, we have continually refined our long-distance, freight, and heavy-haul transport systems: They always reflect the state of the art, are optimized for low maintenance, and always comply with the very latest standards for heavy loads and extreme real-world conditions.

Thanks to this wealth of experience and innovation, we have not only continually improved the efficiency of our products, we have also claimed a leading position worldwide in the high-speed track market. With RAILONE solutions, you are on the right track – toward greater safety, reliability, and efficiency.

# CUSTOMIZED SYSTEMS FOR SAFE TRANSPORT.



Huge successes with ballastless track systems: RHEDA 2000® has already been installed in more than 4,300 km of rail lines.  
Long-term partnership: We have already sold 21 million B70 sleepers to Deutsche Bahn.

Scan the code to learn  
more about our  
solutions for long-distance  
and freight transport.





# PERFECT SOLUTIONS FOR MORE COMFORT.

Environmental awareness, a lack of parking spaces, flexibility – more and more urban residents and tourists are leaving the car behind and opting for rail-based urban transit. Cities must increasingly respond by developing transit strategies that can handle this demand.

Here they must contend with a broad range of expectations: Today's passengers expect a high level of comfort and a well-developed urban transit network where cars, intercity trains, buses, and urban transit are perfectly synced. Cities want to protect their residents from stressful noise and vibrations.

Our premium products and smart solutions help you meet these competing expectations: In numerous successful projects, we have helped cities and municipalities optimize their urban transit lines to local conditions.

In addition to our broad portfolio of extraordinarily safe and affordable systems for metros and trams, we can also develop custom solutions to meet your unique requirements. We will also develop a modernization strategy to help you enhance passenger comfort on your existing lines so they will be perceived as a more attractive option.

## TODAY'S URBAN TRANSIT IS ALL ABOUT ENVIRON- MENTAL AWARENESS AND SUSTAINABILITY – AND SO ARE WE!



Decades of successful partnership: We have supplied our RHEDA CITY ballastless track system to Dresden's municipal transit authority since 1996 and to Berlin's since 1998.





When you are dealing with an extensive infrastructure project, any help is welcome. Thanks to our decades of experience in national and international railway projects, we know exactly how we can lend you a hand most effectively.

Our strong network provides you with quick support around the world, knowledgeable personnel, and the engineering services you need to complete your project.

Optimize your project workflow, plan new track solutions, or modernize your infrastructure: Our experts are standing by with innovative spirit and fresh ideas to help you plan, prepare, implement, and monitor your projects. Together, we will prepare a package of services tailored to meet your unique challenges and requirements.

Benefit from the know-how of a technology leader and take advantage of our engineering services to bring success and efficiency to your projects.

WE MAKE  
OUR INNOVATIONS  
WORK FOR YOU –  
WITH EXPERTISE,  
FLEXIBILITY, AND  
PRODUCTIVITY.

# OUR EXPERTISE FOR YOUR PROJECT.



“Hinged turnout sleeper” innovation in partnership with Deutsche Bahn: to enable the transportation of pre-assembled turnouts on standard freight cars, we “simply” cut through them and added a hinge – an innovation that earned us the CNA Innovation Prize.



Scan the code to discover the full spectrum of our engineering services.





# TURNKEY PLANTS FOR YOUR PRODUCTION.

Railway lines are the lifelines of a society. They transport people and goods into the most remote regions – and must meet high standards of quality. The specifications for railway sleepers vary greatly depending on geography, climate, and applicable regulations.

RAILONE helps you choose the right sleeper, set up your own plant, and manage the approval process. As a multinational corporation with branch offices in Germany, Saudi Arabia, Spain, South Korea, Hungary, Turkey, the United States, and India, we are very well acquainted with the normative requirements and conditions in countries around the world.

Not only that, but we have over 60 years of experience manufacturing track sleepers and turnout sleepers. This makes us the ideal partner to help you get your own sleeper production up and running.

We will work with you to develop a high-output plant so that you can manufacture precision products to meet the specific requirements of your locality and customers.

Our service goes even further: If you request it, we will begin working with your team in the preliminary phase to prepare them for the tasks ahead, train your production personnel, and remain at your side as a consultant even after the plant has opened. RAILONE brings you the premium quality of a technology leader.

## CUSTOM PLANTS CAN BE IMPLEMENTED ANYWHERE.



Efficient plants: We produce more than 250 different types of sleepers at 11 locations, with annual production capacities up to 750,000 linear meters of turnout sleepers and 5 million sleepers for axle loads up to 36 metric tons and more.

Scan the code and discover our entire portfolio of plant construction services.





# RAILONE SYSTEMS FOR THE ENTIRE WORLD.

RAILONE has been manufacturing concrete sleepers and track systems for urban transit and long-distance rail transportation for over 60 years. RAILONE also offers engineering and plant construction services featuring state-of-the-art technologies. The following is a selection of the most interesting projects.



**Daunting challenges for Russia's long-distance transportation: VNIIZhT, Shcherbinka test line, Russia**

Extreme temperatures and a constant shift between frost and thaw present tremendous challenges to rail transportation in Russia. That is why the Pan-Russian Rail Transport Research Institute (VNIIZhT) installed RAILONE sleepers in the Shcherbinka test line outside Moscow.

The result: The RHEDA 2000® track system held up under a load of one billion metric tons. This convinced Russian Railways of the value of the long-lasting, cost-efficient RHEDA 2000® track system, which can be easily adapted to project-specific parameters and is compatible with other systems.



**Flexible system for Scotland's urban transit: Edinburgh Tram Link, Scotland**

The Edinburgh Tram Link connects the airport to the city center and involves complex routing that includes inclines, varying substructure conditions, and track coverings ranging from asphalt to grass.

RAILONE was awarded the contract because it offered a proven ballastless track system as well as ballasted and turnout sleepers: RHEDA CITY and RHEDA CITY GREEN are attractive for their flexibility, adaptability, and durability. The quality assurance documentation required of the track systems used in the projects also lived up to the project's strict quality standards.



**Smart engineering for the Netherlands: HSL Zuid, Amsterdam to Dutch-Belgian border**

HSL Zuid is the Dutch portion of the high-speed line linking Amsterdam to Antwerp.

In addition to providing 280,000 RHEDA 2000® bi-block sleepers for about 88 kilometers on the Dutch side, RAILONE was also responsible for much of the planning in the joint venture.

The challenging substructure required special constructions. Thanks to its long history of successful projects and broad-based experience, RAILONE was able to contribute valuable engineering expertise to implement the track planning and design the installation technology.



**Full-service facility for Saudi Arabia: North-South Railway – Hail, Saudi Arabia**

Saudi Arabia has been constructing the 2,400-kilometer-long North-South Railway since 2007 to connect the country's north to the Persian Gulf and the capital Riyadh.

Partly because 280 km of this line runs through the Nefud desert, the conditions are extreme: High temperatures, corrosion, and sand aggradation require specialized track and turnout sleepers that must also accommodate heavy-haul transport. For this major project, RAILONE built a plant in Hail capable of manufacturing high-quality sleepers locally even in such harsh conditions. The project also included comprehensive consultation, training, and high-level knowledge sharing.



The PCM RAILONE Group has been manufacturing concrete sleepers and track systems for urban transit and long-distance rail transportation for over 60 years. The technology leader also offers its expertise in the fields of engineering and plant construction. Its customer-driven innovations fulfill the highest quality standards and are installed around the world. The PCM RAILONE Group is comprised of several companies and eleven production facilities with a presence in Germany, Saudi Arabia, Spain, South Korea, Hungary, Turkey, the United States, and India.

[www.railone.com](http://www.railone.com)