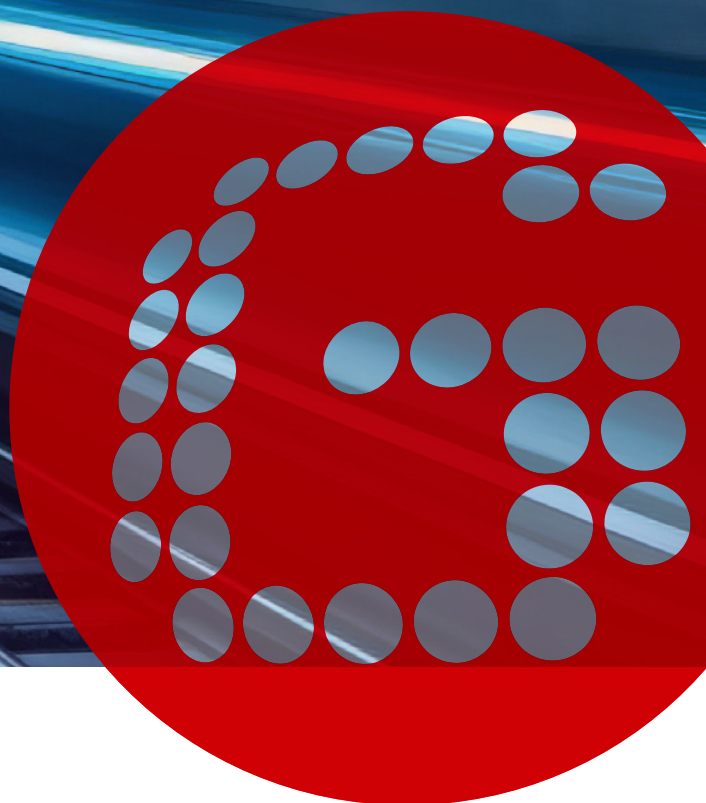


SOLUTIONS FOR THE RAILWAYS OF TOMORROW



FUTURE IN MIND – SINCE 1895

In 1895, Hans Goldschmidt's invention of the Thermit® welding process provided the basis for the continuously welded track and thus laid the foundations for modern rail transport. This innovative spirit and the ambition to make rail mobility ever better is what drives and guides Goldschmidt.



ADDED VALUE THROUGH EXPERIENCE

Building on this important invention of Hans Goldschmidt the global and family-run Goldschmidt Group was formed. Together with our customers and partners, we are shaping the rail-bound mobility of tomorrow – with products and services for the joining of rails, modern construction of railway track as well as inspection and maintenance of track infrastructure.

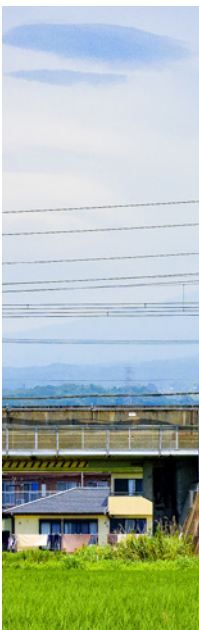
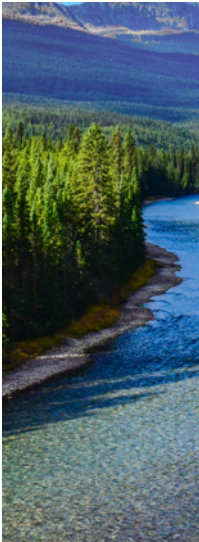
From the Original Thermit® welding portion to digital solutions for rail inspection – customers around the world rely on Goldschmidt's comprehensive and advanced experience. We attach great importance to first-class and sustainable products and services – for modern railway tracks with a long service life.



ONE NAME – ONE GLOBAL PROMISE

As a family-owned company, we are committed to consistency and sustainability in everything we do. Goldschmidt has all the necessary certifications and ensures that country-specific laws and regulations are complied with at all times.

We put the success of our customers around the world at the centre of our work by applying our expertise as a pioneer and innovator to the realisation of our customers' projects. This is another reason why we are valued as a reliable and competent partner to the railway industry.





RAIL MOBILITY TAKEN FURTHER

Railways are the most reliable, comfortable, economic and ecological way to transport people and goods. They are therefore an integral part of all viable and sustainable mobility concepts – and this requires safe and long-lasting tracks.



RAIL JOINING

Around the world, high-speed trains, freight trains, heavy haul trains, trams and underground railways run on continuously welded track from Goldschmidt. This is because Goldschmidt's Original Thermit® welding process enables an excellent connection between almost all types of rails.



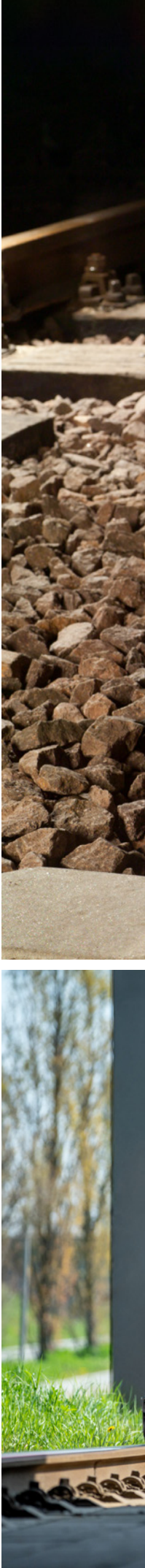
SMART INSPECTION

Higher speeds, heavier loads and increasing demands for travel comfort – the requirements for modern track construction and a future-proof railway infrastructure are many and varied. However, railway tracks can only fulfil their role in the future of mobility if they are and remain stable and available. Goldschmidt's smart inspection solutions enable a detailed diagnosis of the track condition as the basis for predictive maintenance. This ensures the long-term efficiency and reliability of the track infrastructure and rail vehicles.



PREDICTIVE MAINTENANCE

The professional maintenance of rails and switches extends their service life and thus reduces costs in the long term. With advanced products, digital solutions and proven services from worldwide project experience, Goldschmidt restores rail networks to top condition – and thus preserves your valuable investments.





OUR PRODUCTS AND SERVICES

ORIGINAL THERMIT®

Original Thermit® enables the excellent joining of almost any type and grade of rail. State-of-the-art production, continuous development and strict quality controls guarantee the process reliability and durability of the Thermit® rail joining. Goldschmidt develops, produces and supplies all associated equipment, machines and materials.



WELDING

All over the world, rails are welded using Goldschmidt expertise. In addition, Goldschmidt offers a number of processes for the repair and maintenance of rails and switches: for a longer service life and to ensure that all types of trains and trams run quietly and safely and are environmentally friendly.

GRINDING

The professional grinding and maintenance of rails and switches extends the service life of the rails, reduces life cycle costs and reliably reduces noise emissions from train operations.





INSULATED RAIL JOINTS

Goldschmidt insulated rail joints offer maximum safety, reliability and durability under a wide range of operating conditions. They meet the local requirements of all global railways and can therefore be used safely and reliably anywhere.

TOOLS & EQUIPMENT

Goldschmidt develops and manufactures equipment and machines for worldwide use in track construction and maintenance, as well as specialised tools for Original Thermit® welding processes. The comprehensive product portfolio with advanced and sustainable drive variants and power units stands for efficiency, precision and ease of use. Products such as magnetic track barriers and buffer stops significantly increase safety on the track and in stations.



INSPECTION

Goldschmidt's cutting-edge technologies for the identification and evaluation of rail defects, track geometry, rail profile and wheel profile provide precise measurement and testing results in a standard format. Whether as a hand-held inspection device, integrated in trolleys, carts, road-rail vehicles or inspection trains – Goldschmidt enables the safety of your tracks.

ROAD-RAIL VEHICLES

Our wide range of high-end road-rail vehicles cover a variety of maintenance, construction and inspection tasks in the track area. It includes overhead line vehicles, tunnel and bridge inspection vehicles, crane vehicles, welding vehicles and other customised solutions for efficient and reliable work on your railway infrastructure.



DEVELOPING BETTER SOLUTIONS TOGETHER

Together with our customers around the world, we develop innovative and sustainable solutions for a future-proof railway. We understand the challenges, needs and requirements of our customers, analyse processes and workflows, and monitor changing market needs. By working closely with our customers on new developments, we gain important insights to refine and optimise them. This is how we develop products and services that offer real solutions.



DARI® – DATA ACQUISITION FOR RAIL INFRASTRUCTURE

The railway is changing – resources are becoming scarcer, higher loads and increasing regulations demand not only precision, durability and the highest quality, but also transparent and efficient processes on the track. With our digital Dari® solutions, rail infrastructure operators can easily record and analyse their track-related data digitally and access it at any time. This enables you to operate your rail network safely, flexibly and efficiently and to make it futureproof. Whether optimising your welding and inspection processes or implementing a custom-tailored solution, you can rely on our expertise to guide you effectively through every stage of your project: from the initial consultation, planning and implementation through to the connection of your systems and interfaces. Our solutions can be customised according to your individual requirements and needs.



THE NEW GOLDSCHMIDT +S

We place particular emphasis on the three aspects of sustainability – economy, ecology and social responsibility – in all our developments. +S from Goldschmidt offers everything you already know from Goldschmidt – and is now even more sustainable thanks to the use of new technologies, optimised work processes and operations, and improved occupational safety. Accordingly, a simple calculation works out – by adding something to what already exists: Sustainability (+S).

+S evolves the use of Goldschmidt machines. The long-lasting and powerful batteries from our partner EGO can be flexibly exchanged between the machines in our battery family. We also supply the entire charging infrastructure. Experience the future of sustainable and efficient energy use with us and benefit from a technology that takes your productivity to a new level.

The new Goldschmidt +S: quiet, ergonomic, clean, durable, low maintenance, reliable, flexible.
In short: Goldschmidt in its most sustainable form.





DARi



**THE NEW
GOLDSCHMIDT +S**

- QUIET
- ERGONOMIC
- CLEAN
- DURABLE
- LOW MAINTENANCE
- RELIABLE
- FLEXIBLE

GOLDSCHMIDT

FACTS AND FIGURES

8 000 customers

Whether rail network operators, track construction and railway companies or municipal transport companies – our customers can always count on us – with first-class and proven solutions as well as local availability around the globe.

Number 1

Goldschmidt is not only the world market leader in the field of Thermit® welding – our comprehensive portfolio for the modern Thermit® construction site and our innovative and customised solutions for track inspection and maintenance make us a reliable and competent partner for the railway industry.

80 countries

Our welding processes are approved in more than 80 countries and homologated by all large rail networks.

11 000 km

The length of track welded annually with Original Thermit® corresponds to roughly the distance from the North Cape to the Cape of Good Hope.

6 continents

We are always at your side – thanks to our worldwide production, service and sales locations, products and services are available locally, as is the support from local contacts.

130 years

Goldschmidt's success story began in 1895. Since then, our quality standards, pioneering spirit and innovative strength have shaped our development. With advanced technology, comprehensive expertise and customised products and services, Goldschmidt is leading railways into the future.

96 million Thermit® portions

Continuously welded track is the key to efficient mobility and the guarantor of sustainable, safe and comfortable rail transport. With more than 96 million Original Thermit® portions sold, Goldschmidt has clearly established itself as the global market leader.



1 000 employees

As an international employer, Goldschmidt brings together experts and specialists from a wide range of disciplines – all with a common vision: to work with our customers to develop clever and reliable solutions for the railways of tomorrow.

