



GOLDSCHMIDT

Smart Rail Solutions

UNBEATABLE MOBILITY ON ROAD AND RAIL





UNBEATABLE MOBILITY

ON ROAD AND RAIL

Modern railway networks have to ensure good long-term condition of the track and continuous availability. This is the only way to fully exploit the potential of rail as an alternative form of transportation for people and goods. Goldschmidt offers tailor-made solutions to maintain railway infrastructure with our innovative road-rail vehicles that meet the highest technological standards, combined with an economic and ecological efficiency on both roads and rail.



GET MORE WORK DONE – IN LESS TIME

Our main objective has always been to keep your railway infrastructure up and running and keep outage costs to a minimum. Goldschmidt's road-rail vehicles will help you to perform any kind of maintenance and inspection work on the track much faster, improving your rail availability.



IN THE FAST LANE: ON ROAD AND RAIL

Goldschmidt's road-rail vehicles are designed to drive at normal speed on both roads and rail. Being able to move them much faster between your work sites will keep you ahead compared to any other conventional system. Our road-rail vehicles help you to significantly reduce both working time on track and maintenance costs.

MADE FOR THE RAILS, READY FOR THE ROAD

Using Goldschmidt's road-rail vehicles means full flexibility both on road and rail. Transporting tools and equipment from your depot to the work site has never been easier and safer: no more need to reload the material from one vehicle to another with our workshop, load and storage capability. Once on site, the transfer from road to rail is done at lightning speed.



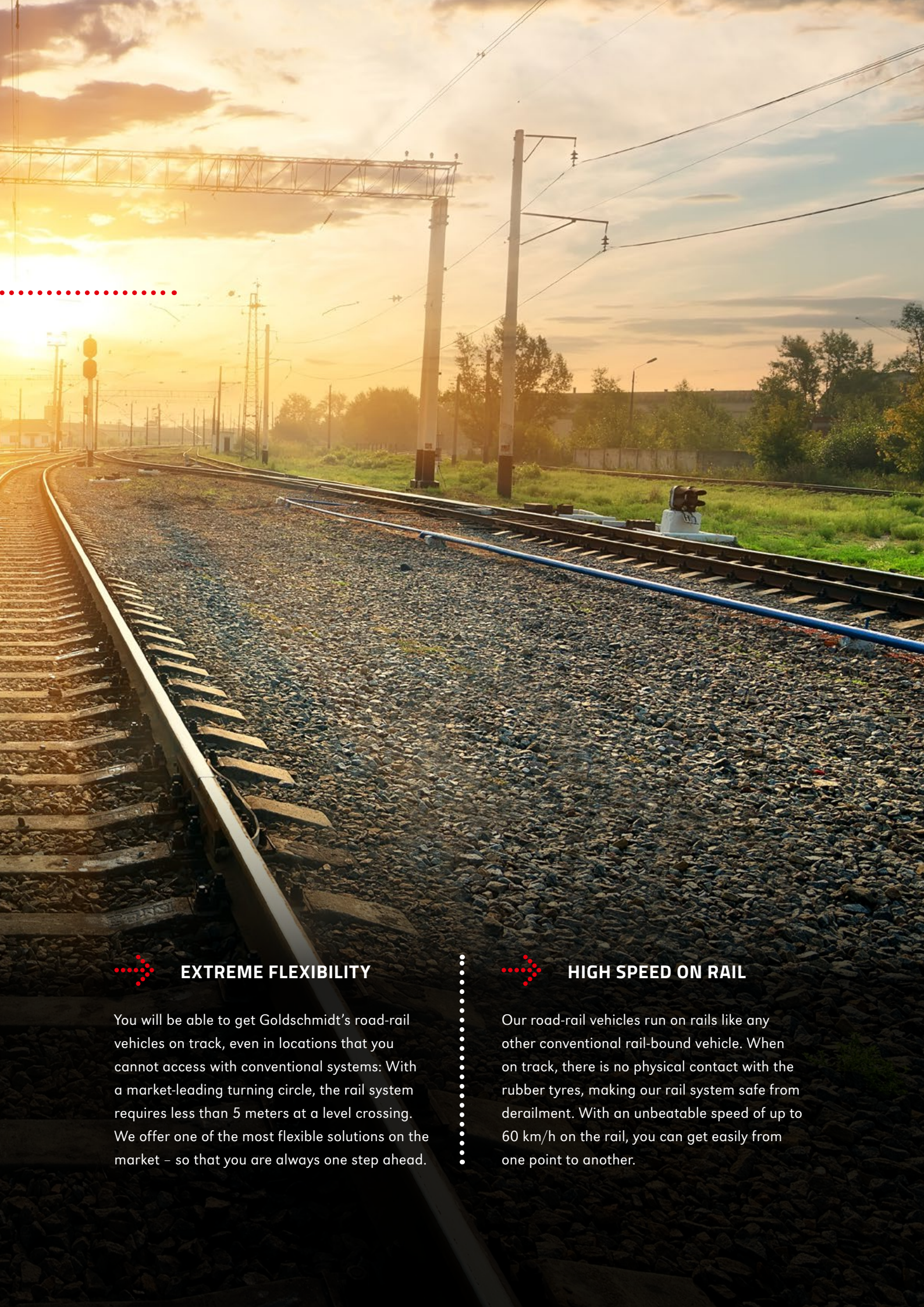
SAVE TIME AND MONEY

Your road-rail vehicles will be ready for operation the moment they get to your work site: Simply load Goldschmidt's road-rail vehicles with everything you need before driving to your rail work site. Reduce your logistics and save both time and money.



EASY TRANSFER

Trouble-free and smooth operation from road to rail: Thanks to our market-leading technologies the transfer will be done in less than 2 minutes. Get your work done the Goldschmidt way – at record-breaking speed.



EXTREME FLEXIBILITY

You will be able to get Goldschmidt's road-rail vehicles on track, even in locations that you cannot access with conventional systems: With a market-leading turning circle, the rail system requires less than 5 meters at a level crossing. We offer one of the most flexible solutions on the market – so that you are always one step ahead.

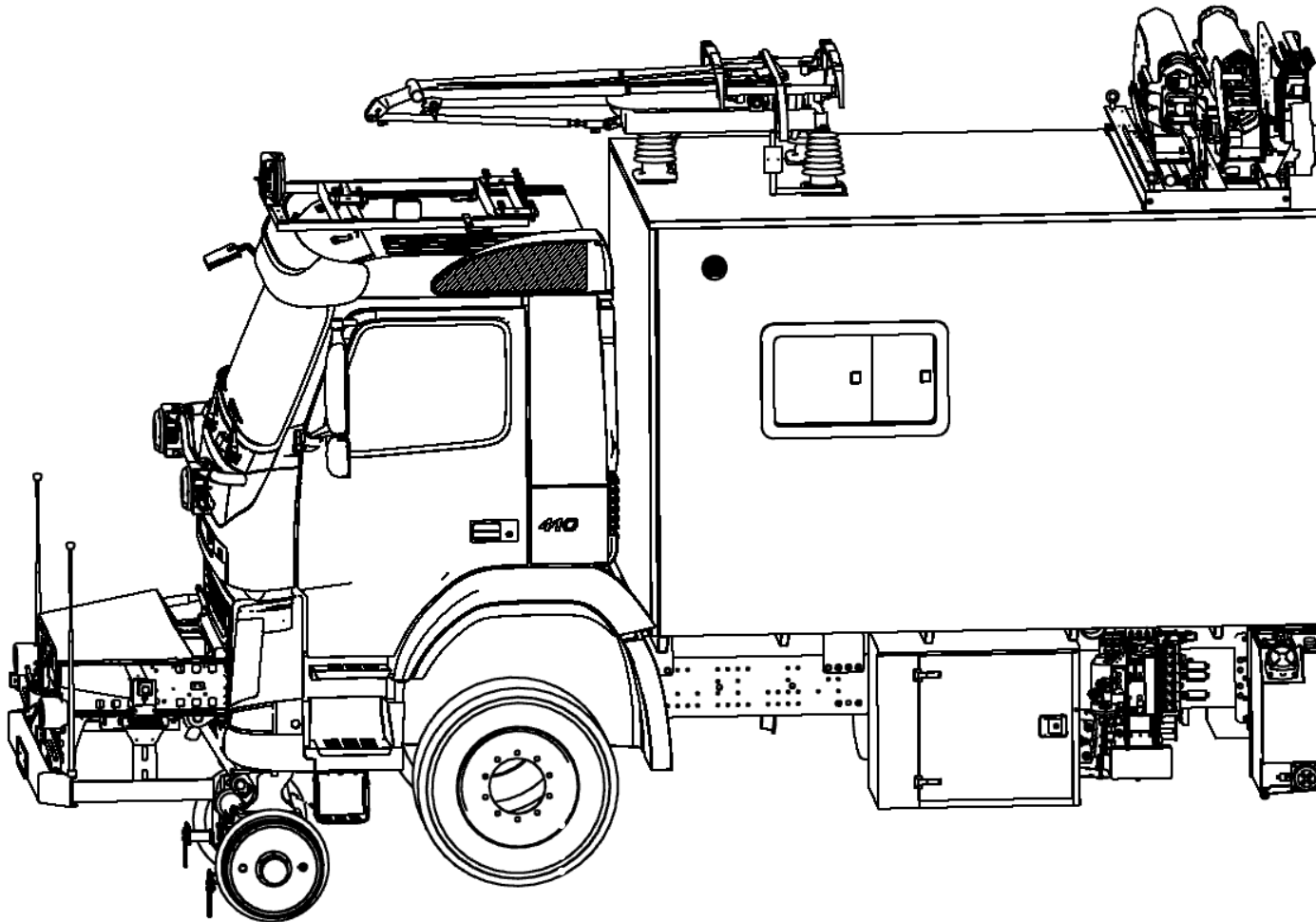


HIGH SPEED ON RAIL

Our road-rail vehicles run on rails like any other conventional rail-bound vehicle. When on track, there is no physical contact with the rubber tyres, making our rail system safe from derailment. With an unbeatable speed of up to 60 km/h on the rail, you can get easily from one point to another.

A UNIQUE MASTERPIECE OF ENGINEERING

Each road-rail vehicle is a custom-made masterpiece of engineering, designed to meet your needs and specifications. Every vehicle is equipped with our unique hydrostatic drive system, which has no contact between the rubber tires and the rails, making it very reliable and safe.



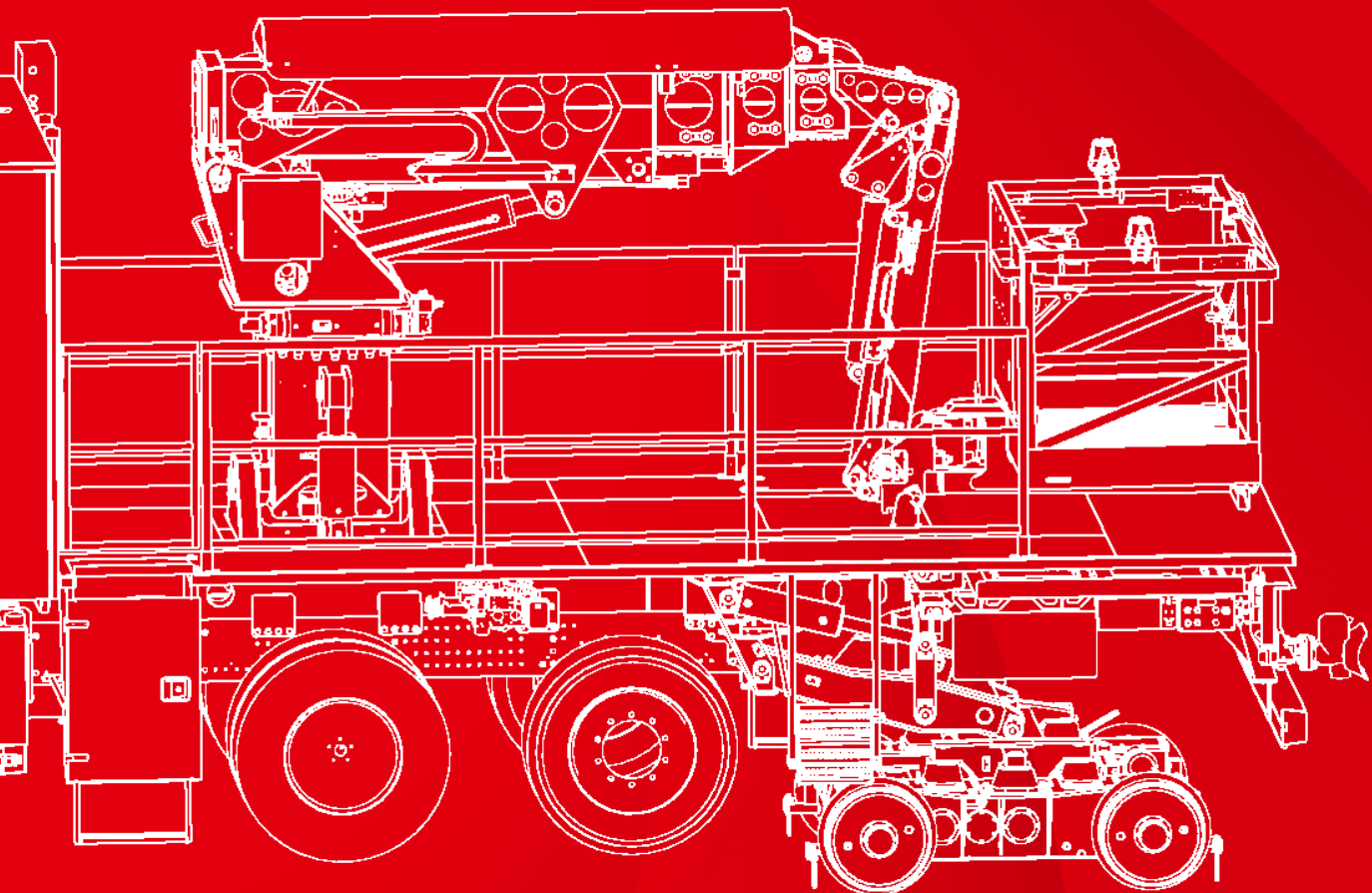
OUR UNIQUE HYDROSTATIC RAIL DRIVE SYSTEM

Thanks to our unique hydrostatic rail drive system, Goldschmidt's road-rail vehicles share the same features as conventional rail-bound machines – this includes braking capacity and traction. The hydrostatic rail drive system is designed to handle speeds up to 60 km/h on track.



THOUGHT THROUGH – FROM FRONT TO REAR

All elements mounted on Goldschmidt's road-rail vehicles are made to function perfectly together. So do our engineers, who synergise their longstanding expertise in the development of Goldschmidt's road-rail vehicles. Of course, they make sure that our products comply with all relevant industry standards, such as EN15746 and RIS1530.



KEEP CONTROL REMOTELY – AT THE TOUCH OF A BUTTON

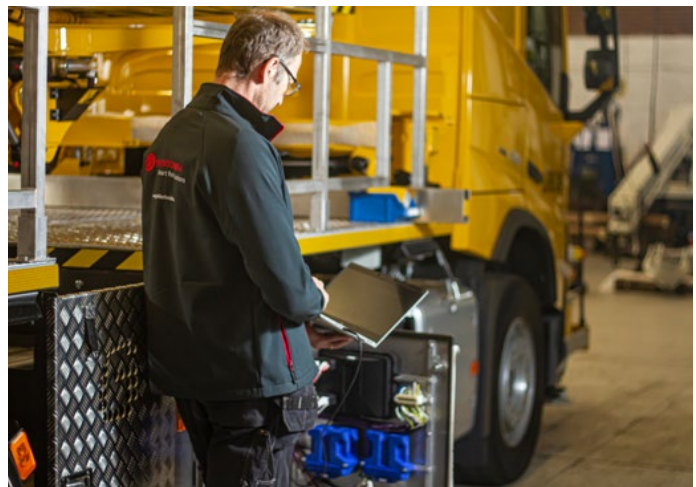
With our tailor-made control system you can control all essential functions such as cranes, propulsion, wire lifters etc. from the working platform allowing safe and reliable operation with the minimum of resources.

EVERYTHING UNDER ONE ROOF

At Goldschmidt we benefit from each department's long experience and knowledge in terms of research and development, engineering, manufacturing, service and training.

We make sure that we are on the right track to meet your needs, whether you need vehicles for new construction, maintenance or repair of your railway infrastructure.

CONSULTATION DESIGN **DEPLOYMENT**





**THERE IS SO MUCH MORE
THAN YOU CAN SEE**



GOLDSCHMIDT – COMMITTED TO PERFECTION

When we think about the future of mobility, we think about much more than just getting from A to B. Goldschmidt will always be committed to going the extra mile to keep ahead of its competition. That's why there are so many ground-breaking features hidden within each road-rail vehicle. Some of them might be small in size, but all of them bring us a big step closer to perfection.

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1 Hydrostatic rail drive system

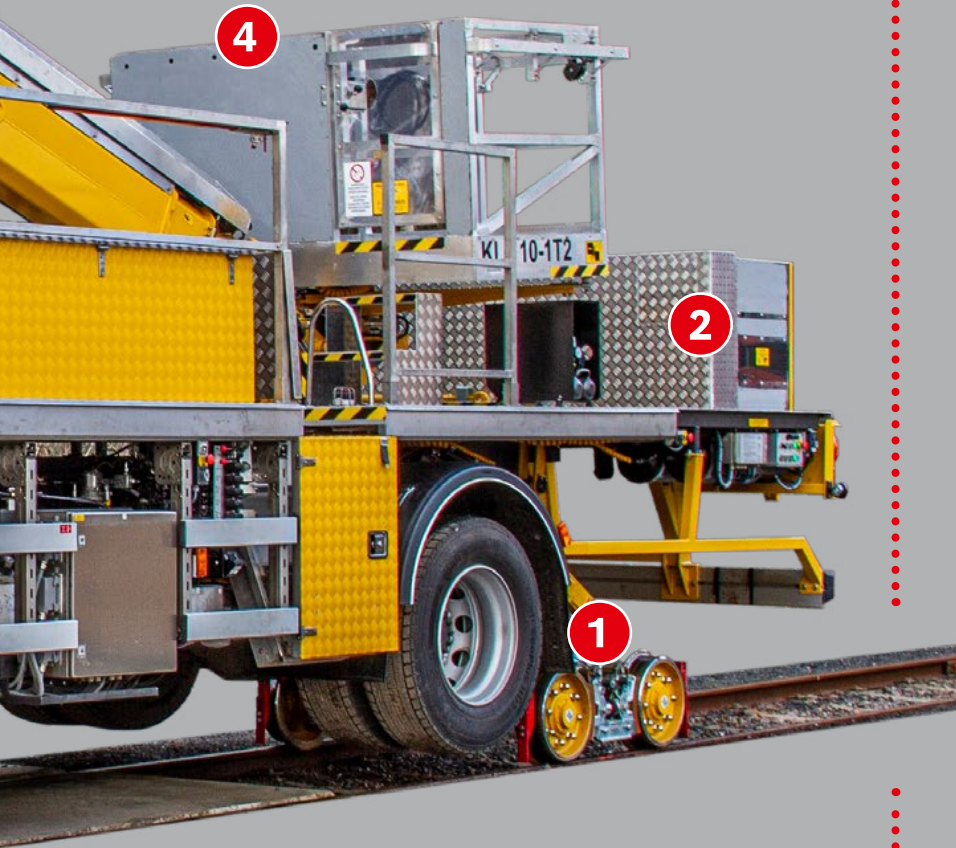
Our unique hydrostatic rail drive system has the same ability as conventional rail vehicles. It can run on all rail infrastructures such as mainline, light rail and even metro systems with their tight curve radiuses. Our unique hydrostatic rail drive system has either a 4 or 6-wheel drive, depending on your needs.

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2 100% electric on rail

Our hybrid solutions allow you to turn off the diesel engine on track and continue working entirely on battery power.

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3 Tilt correction

The tilt correction system of our working platforms ensures that the basket is always level, which gives you significantly improved working conditions on a cant.

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4 Display in basket

To help you work safely and efficiently the display in the basket shows in real time: working platform position, allowed working area, basket load and vehicle status.

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5 Remote access to the vehicle

The remote vehicle access provides location, logged hours and status of the vehicle, which means that both the owner and service partner can access the vehicle's system anywhere.

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TIME SAVING

On and off the track in less than 2 minutes



AGILE AND FLEXIBLE

Width of the crossing only needs to be half the length of the vehicle



RISK FREE SHUNTING

No risk for derailment at crossing points, wing rails and level crossings



SUPER-FAST

Speed up to 60 km/h on tracks (forward & reverse) and up to 90 km/h on the road



MODULAR SYSTEM

Different vehicle models for each of your needs

WE KEEP YOU

ON TRACK

The maintenance quality is vital in ensuring the long-term performance of your vehicle. Goldschmidt's road-rail vehicle service ensures that your vehicle is always in optimal operating condition and that service is carried out by professional technicians using original spare parts to ensure function and safety.

With our service team in Osby and our service partners around the world, Goldschmidt's road-rail vehicle service is available near you. We offer you everything from spare parts to tailor made service and maintenance solutions. To ensure the safety and correct operation of your vehicle, we can provide tailored training for both your operators and technical staff. We offer a complete after sales service package in order to keep you on track.



SPARE PARTS

We use Goldschmidt original spare parts to guarantee safe and long-term reliability of your road-rail vehicle. Our service team and our partners have access to the extensive Goldschmidt stock of original spare parts at all times.



A GLOBAL TECHNOLOGY

LEADER FOR ROAD-RAIL VEHICLES

With nearly 50 years of experience in developing, designing and manufacturing road-rail vehicles, Goldschmidt is a global technology leader in this field. Our specialised Center of Competence Road-Rail Vehicles continuously develops state-of-the-art technologies with the highest reliability and functionality.

1976

The introduction of a swivelling bogie and a hydrostatic propulsion system in 1976 has revolutionised the railway industry.

2023

Our new, updated, modern hybrid solution is introduced. This solution has a significantly more efficient battery pack and offers a long emission-free working time on both road and rail.

From road to rail in seconds

Our market leading technologies will help you to get your work done faster, safer and more cost-effectively than ever before. With our road-rail vehicles, the transfer on and off the rail is done in less than 2 minutes without any risk of derailment. Goldschmidt's outstanding vehicles outclass conventional systems in terms of flexibility.



RELIABLE SAFE EFFICIENT

WE ARE GOLDSCHMIDT

The Goldschmidt success story begins with the invention of the Thermit® welding process which today still defines the worldwide standard for the welding of rails. A global company group was established based on this expertise and passion for innovation which together with you will shape the rail-bound mobility of tomorrow.



FINDING SOLUTIONS TO BRING YOU FORWARD

Goldschmidt is a unique global network of experts for your railway track requirements and develops smart applications for the railway industry which are exactly matched to your requirements, ranging from the Original Thermit® portion to our digital Dari® products and systems.

Customers on all continents trust in the excellent quality, first-class engineering expertise and proven reliability of Goldschmidt, with the trams of the European transport companies running on the same know-how as the high-speed trains in China. Goldschmidt is your strong partner when it comes to the future-oriented planning and practical development of solutions for railway infrastructure projects according to your respective national requirements with local implementation.



SMART RAIL SOLUTIONS

Goldschmidt offers a comprehensive range of products and services worldwide for the joining of rails, modern construction of railway track, and inspection and maintenance of your track infrastructure:

**Original Thermit® • Insulated Rail Joints • Welding
Grinding • Inspection • Tools & Equipment
Road-Rail Vehicles • Digital Solutions**



SMART RAIL SOLUTIONS

Together with you, Goldschmidt masters the challenges of modern, railbound mobility – for safe, sustainable and long-lasting railways of premium quality. As with Thermit[®], Goldschmidt is also a pioneer in maintenance, inspection and digitalization and continues to improve processes and extend the lifecycle of railway infrastructure. Goldschmidt benefits from its global expertise and cross-disciplinary thinking to create tailor-made local solutions for you. The global presence of Goldschmidt gives you access to its whole portfolio – with one goal: to lead your railway infrastructure into the future.