



GOLDSCHMIDT
THERMIT GROUP

DISCOVER
NEW DIMENSIONS
DAR²





VISIONARY IDEAS NEED POWERFUL SOLUTIONS:
DARI® BY GOLDSCHMIDT.

Our database solution **DARI®** – Data Acquisition for Rail Infrastructure – enables us to make our products smarter, more effective and sustainable. Goldschmidt has therefore taken the next logical step and combines a collection of **modern, high performance stand-alone solutions** into a **digital network consisting of intelligent products**.

This innovative edge, based on the future-oriented technology of **DARI®**, is the special and unique added value offered by our Goldschmidt products. Experience new dimensions at the track construction site. With **DARI® BY GOLDSCHMIDT**.

DARi

DIGITAL CONNECTED

GOLDSCHMIDT GOES DIGITAL – with this claim the Goldschmidt Therman Group has in recent years created completely new standards for quality, reliability, transparency and efficiency in the construction and maintenance of modern railways.

On the basis of these digital solutions for our machines and products using the GOLDSCHMIDT DIGITAL APP, a bold new vision of a digital network comprising a group of intelligent machines was born. The search for new dimensions at the track construction site was the beginning of a new industrial standard. There were many exciting questions leading to future-oriented answers which became a driving force for our new DARi® products.

What if in future a machine on the track could not only digitally access its work and measurement data but could also file and archive the data in real time?

THINKING TODAY ABOUT TOMORROW

When in future, thanks to a new form of transparency provided by measurement and control data in a network, immediate forecasts could be generated and automated inspection and analysis processes could be triggered?

CLEVERLY THINKING AHEAD

When as a result the intelligence of separate devices could become the global intelligence of a whole network?

FROM DATA TO KNOWLEDGE

What if the data streams from devices, machines, personnel and working processes could be automatically processed and systematized in the network for even more safety on the track?

SAFETY FIRST

QUALITY MEETS FUTURE TECHNOLOGY

DARI® gives our products the capability of network intelligence right from the start of the journey to your construction site projects. You can decide for yourself whether and to what extent you wish to bring these to life and benefit from the new dimensions at the track construction site.

CONTROLLING

DARI® will enable measurement and weld reports to be combined to a daily construction site report which can be centrally and digitally stored in real time. Important company and project-related performance indicators such as working times, location or order number are visible in DARI® to all relevant interest groups. The collected data which already today is comprehensively documented by the GOLDSCHMIDT DIGITAL APP will in future create centrally accessible knowledge.



RAILSTRAIGHTS

Straightness measurement of running edges and surfaces



SMARTWELD JET

Automated preheating of the THERMIT® weld



MORE EXPERTISE

All current and future products which are compatible to DARI® are characterized by completely new, intelligent device management. Maintenance schedules or status data will be accessible locally on the device and centrally viewable using DARI®.

DATA PRIVACY

The security of your data is a top priority for DARI®. The storage and processing of the data is made to comply with regional compliance and data residency requirements, for example, acc. to ISO 27017, the EU General Data Protection Regulation or C5 encryption.



SMARTWELD RECORD

Handle for efficient documentation of the THERMIT® weld

INCREASED EFFICIENCY

In addition to being available on the smartphone or tablet of the worker, construction site data will be readable in DARI® after a very short time. Controlling routines or financial accounting can start immediately after the work has been finished and no longer on the basis of a report at the end of a week or month.

FORECASTS

The condition of the track, significant points or any rail flaws are detected and documented by the measurement technician on-site. Thanks to a DARI® connection, for example, the activation of a welding team can happen almost in real time and fully automatically. Using the always available track history, it will be possible to have predictive supervision for tracks which are subject to intensive maintenance.

MORE SECURITY

Your data will be transmitted by the highest state-of-the-art technology to the DARI® network. The data will be stored in extremely secure data processing centers and therefore be accessible around the world at any time by specific groups who have the necessary authorization. Centrally stored data remain secure even after your smartphone malfunctions on-site or is lost.

TRANSPARENCY

Precise measurement data from the construction site or additional information from track inspections will in future be available for specific pre-defined user groups in the whole company.

LIBRARY

In connection with a measurement, the weld acceptance can be made directly on the screen. Different measurements made over time at a specific construction site will in future generate a track history in our database, a "life story for the track" in question. All the relevant data can also be read after a longer period of time.

MORE SERVICE

The integrated Geotagging displays the site for a respective order and the equipment being used directly on the map. Many valuable search and analysis functions complete the new dimensions for your track construction site.

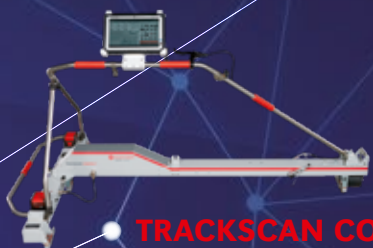
TRACKGAUGE DIGITAL

Digital gauge for track and switches



TRACKSCAN COMPACT

Track geometry measurement trolley



RAIL DRILL RD 330 B

Battery powered Rail Drilling Machine



SMALL POWER UNIT SPU 400 B

Battery-powered hydraulic aggregate



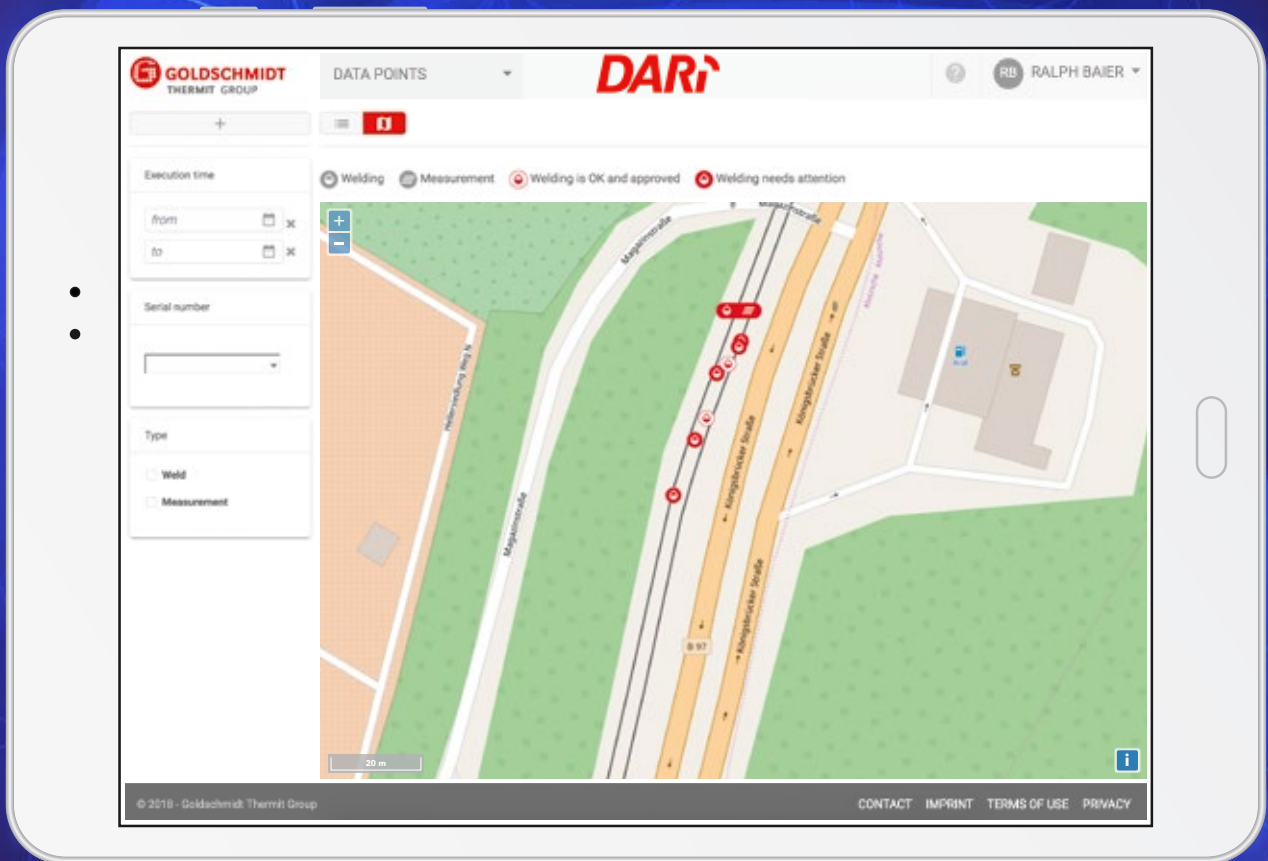
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YOUR ADVANTAGES AT A GLANCE

All DARI® compatible products from Goldschmidt already include the basic package. Further additional functions and features are available as options. We are happy to advise you how to determine the most practical combinations and functions for your projects.

	BASIC	PREMIUM
Daily construction site reports		
Standard	✓	✓
Customizable	✗	✓
Filter		
Date	✓	✓
Device	✗	✓
Type	✗	✓
User	✗	✓
Status	✗	✓
Order number	✗	✓
Welding procedure	✗	✓
Map view		
Open Street Map	✗	✓
Open Railway Map	✗	✓
Storage time		
1 month	✓	✓
1 year	✗	✓
3 years	✗	●
5 years	✗	●
10 years	✗	●
History	✗	✓
Approval function	✗	✓
Edit function in detail view	✗	✓
Device management	✗	✓
User management	✓	✓

✓ inclusive ✗ not available ● available as optional extra



TRANSPARENCY

DEVICE INTELLIGENCE

CONTROLLING

DIGITAL NETWORK

EFFICIENCY

TRACK CONSTRUCTION SITE

FORECASTS

INNOVATION

SECURITY

ANALYZE

ARCHIVE

MOBILITY

REAL TIME TRANSMISSION

SAVE

DATABASE

EVALUATE

WORLDWIDE PARTNER OF THE RAILWAY INDUSTRY

The Goldschmidt Thermit Group offers products and services in the areas of rail joining, rail services, measurement, tools and machines, and equipment for construction, renovation, modernization and intelligent predictive maintenance of railway tracks.

Over 120 years of railway experience, the unique range of products and services, ongoing research and development as well as a strong commitment to quality make the Goldschmidt Thermit Group a reliable and innovative partner for railway operators, including high speed, cargo, heavy haul, tram or underground rail networks worldwide.

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