



Complex solutions for railways

Building sustainably and systematically

HERING Company Group

The HERING Company Group is a family-run, medium-sized company headquartered in Burbach (NRW). Over the course of more than 125 years, it has developed into a specialist for system solutions both for the implementation of projects in rail infrastructure and for products in the public domain.

Our group of companies employs a total of 600 people. Since our foundation, we have seen ourselves as an association of many people who have come together to contribute their creativity and invest their time and energy in our company. Innovation forms part of our responsibility towards our customers.

Complex solutions for tracks come from the Group's four companies, which have successfully adapted to the requirements of the railway sector at home and abroad. This is primarily thanks to the expertise and innovative strength of our employees, the further development of our range of services and our high-performance machinery.

Our areas of expertise are track construction, civil engineering, transport depots (system roofs and system platforms), large-scale track-bound heavy machinery construction and noise protection measures on rail and road. The interplay of these areas ensures that our group of companies is also in a position to carry out more complex rail infrastructure projects under its own direction and with high vertical range of manufacture.

The benefit for our customers is that they can obtain all services from a single source without having to communicate with a large

number of contacts. Furthermore, our individual lines of business offer customer-oriented solutions for the operators of secondary, tram and port railways, as well as for private railway infrastructure companies. To get our work done, we rely on high-performance machinery and highly qualified specialists.

Quality:
Our company is a platform that practices building culture, creates durable structures and conserves their value. Consistent quality management and regular auditing underscore this commitment. We are certified according to DIN EN ISO 9001:2015.

Sustainability:
The sustainable use of natural resources is a basic part of our corporate practice and is optimised continuously. Our EMAS-certified

environmental management system and our resource-conserving production represent our contribution to the protection and preservation of the environment.

Occupational health and safety management:
For the benefit of everyone connected to our company, we have implemented an operational health management system. In addition, the Employer's Liability Insurance Association for the Construction Industry certifies that our group of companies meets the requirements for systematic and effective occupational health and safety based on the AMS Bau (09/2005). The HERING Bahnbau GmbH is certified according to SCC rules**.

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HERING Track construction

Our core competences lie in the renewal (using both conventional construction methods and assembly line procedures) of tracks, points and rail crossings. Our range of services is further complemented by railway-specific civil engineering and underground cable works, track and points inspections and emergency measures (incident deployment).

Track and points renewal

- Ballasted track
- Dresden-type track
- Slabbed track

Track and points repair

- Rail replacement
- Sleeper replacement
- Replacement of large sections of points
- Maintenance contracts
- Framework contracts
- Craneways
- Industrial conveyor tracks

Underground cable works

- Cable shafts
- Cable ducts
- Track crossings
- Cable laying
- Elevated cable systems

Track and points inspection

- Inspection contracts
- Maintenance contracts

Level crossing renewal and repair

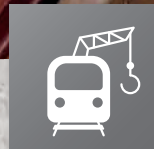
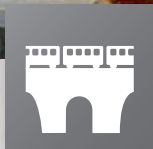
- Renewal of level crossing surfaces (asphalt, concrete and rubber)
- Civil engineering works for level crossing safety systems

Railway-specific civil engineering

- Deep Drainage
- Formation rehabilitation
- Earthworks
- Formation rehabilitation
- General drainage systems
- Deep drainage installations
- Compressed air systems

Customers

- DB Netz AG
- DB Station&Service AG Secondary railways
- Tram railways
- Port railways
- Industrial tracks
- Private sidings
- Railway infrastructure companies
- General contractors / construction companies





HERING Civil engineering for transport depots

We are specialists in the field of railway-related civil engineering services. The construction and renovation of platforms, lifts and pedestrian underpasses form part of the range of services provided in this area.

Barrier-free conversion of transport depots

- Platform renewals
- Construction of new lifts, ramps and stairs
- Construction, extension or renovation of pedestrian underpasses

Platform renovation

- Temporary solutions
- Height adaptation
- Access routes

Culverts

- Construction
- Rehabilitation
- Piping
- Maintenance

Customers

- DB Station&Service AG
- DB Netz AG
- Municipal transport services
- Port railways
- Private sidings
- Railway infrastructure companies
- General contractors / construction companies





HERING Structural engineering

We are specialists in the field of railway-related civil engineering services. The construction, renovation and maintenance of railway overpasses, pedestrian underpasses and culverts form part of the range of services provided in this area.

Pedestrian underpass / railway overpass

- Construction
- Rehabilitation
- Maintenance

Culverts

- Construction
- Rehabilitation
- Piping
- Maintenance

Customers

- DB Station&Service AG
- DB Netz AG
- Municipal transport services
- Port railways
- Private sidings
- Railway infrastructure companies
- General contractors / construction companies





HERING track-bound heavy machinery

With its extensive fleet of railway cranes, the activities of the HERING Company Group reach far beyond Germany's borders. Various slewing railway cranes in the 45, 50, 100, 125 and 150 tonne class as well as a material-conveying silo unit with a loading station are available for handling our own construction projects and for use on behalf of third parties.

Track-bound heavy machinery

- 5x 45/50 t crane (profile-free work possible)
- 2x multitasker KRC910T
- 1x GS100 (100 t crane)
- 4x KRC810T (125 t crane)
- 1x KRC1200 (150 t crane)
- 6x material-conveying silo unit (MFS38) with 1x loading station (BLS2000)
- 18x road rail excavator (A900 Litronic & A922 Rail)
- Diesel locomotive

- Two-way track bed cleaning vehicle
- Tamping and lining machines and rapid ballast spreading and profiling machines (Deutsche Gleisbau Union GmbH & Co. KG)

Customers

- Track construction companies
- Deutsche Bahn AG
- Private sidings
- Railway infrastructure companies
- Works railways
- Industry

Possible applications

- Points up to 2500 radius
- Larger points with tandem process
- Railway yokes up to 36 m in length
- All temporary bridges of DB AG up to ZH 31
- Profile-free assembly of finished concrete parts
- Incident deployment
- All kinds of bridge assembly work
- Industrial assembly
- Installation of heavy components close to the track



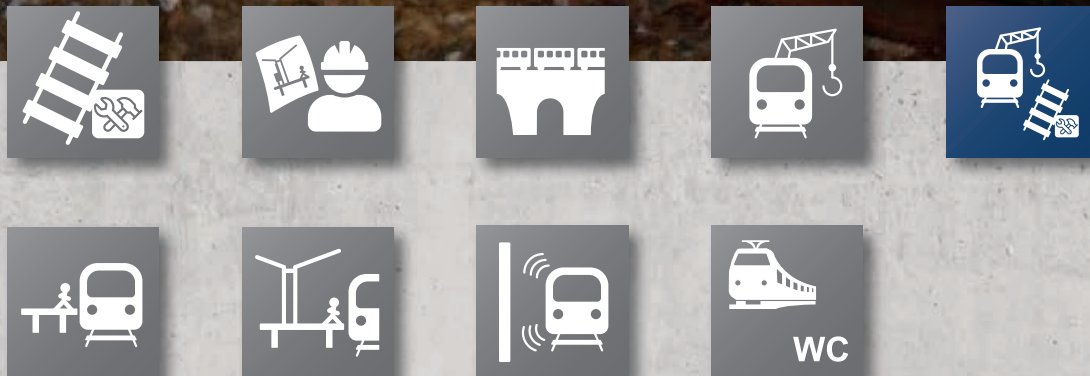


Track-bound railway construction technology

Deutsche Gleisbau Union GmbH & Co. KG

For mechanical work in the scope of maintenance and repair or the construction of tracks and points, the HERING Group as a shareholder employs the track-bound heavy machinery of Deutsche Gleisbau Union GmbH & Co. KG (DGU). This allows us to ensure the permanent availability of powerful and innovative ballast cleaning machines, as well as tamping and profiling technology.

- 2 x track tamping machine Plasser & Theurer CSM 09-32
- 1 x points tamping machine Plasser & Theurer WSM 08-475 4S
- 1 x points tamping machine Plasser & Theurer WSM 08-275-3SY
- 1 x universal tamping machine Plasser & Theurer USM 09-475-4S
- 1 x universal tamping machine Plasser & Theurer USM 09-4x4-4S
- 5 x ballast levelling and profiling machine Plasser & Theurer SSP 110 SW
- 1 x Ballast levelling and profiling machine Plasser & Theurer SSP 110
- 1 x ballast levelling and profiling machine Plasser & Theurer SSP 110 SW





HERING SYSTEM PLATFORMS

The system platforms from the modula® family have now established themselves throughout Europe. In addition to numerous transport depots in Germany, system platforms „made by HERING“ can also be found in AT, UK, DK, CH, B and LUX, to name a few examples. The high degree of prefabrication reduces assembly time to a minimum, thereby ensuring a minimal impact on regular operations. Furthermore, modula® platforms feature a factory quality guarantee, high-quality surfaces, diversity in design and numerous construction variants. Today, a wide range of DB-approved system platforms is available for the varying requirements of long-distance, local and urban transport.

Construction of new modula® system platforms

- Side-boarding platforms
- Island platforms
- Special constructions

Rental of temporary platforms of modula® temporary type

- Temporary platforms as construction aids, for events or in the event of accidents
- Temporary platform elevation

Subsequent raising or lowering of existing platforms

- Raising of conventional platforms in a system design with modula® light and modula® flex
- Subsequent raising or lowering of modula® type system platforms with modula® shift

Additional equipment for system platforms

- modula® flex supplementary system
- Prefabricated ramps, platforms or stairs
- Structural fastening for sound or privacy barriers
- Structural fastening for lighting masts and other structures
- Manhole covers in various sizes
- Integrated drainage channels
- Other special equipment available on request

Customers

- DB Netz AG
- DB Station&Service AG
- Secondary railway operators
- Municipal transport authorities
- ÖBB (Austria)
- Network Rail (Great Britain)
- DLR (Great Britain)
- LUL (Great Britain)
- Banedanmark (Denmark)
- CFL (Luxembourg)
- General contractors / construction companies





HERING System roofs

The experience we have gained from well over 100 completed platform roofs and a large number of other roofing projects in the municipal sector ensures our customers reliability in processes, quality and costs from planning to completion. In order to achieve an optimal project result, we offer support in the planning of a construction project from the very start. All HERING system roofs are characterised by a high degree of prefabrication, modular design, cost-effectiveness and rapid assembly.

Planning, manufacture, delivery and assembly of platform roofs

- System platform roof Evolution 2020 (formerly type Bodenheimer light), (DB-approved)
- System platform roof type Bodenheimer (DB-approved)
- System platform roof type Zwiesel (DB-approved)
- Ramp and stair enclosures
- Platform roof renovation

Planning, manufacture, delivery and assembly of roofing for regional rail / local public transport

- PALYO® system roof
- STiKK® system roof
- Bus station roofing
- Custom roofing solutions

Customers

- DB Netz AG
- DB Station&Service AG
- Secondary railway operators
- Municipal transport authorities
- CFL (Luxembourg)
- Cities and municipalities
- General contractors / construction companies





HERING Noise protection

Active environmental protection is an essential part of our corporate philosophy and therefore, in addition to our other areas of expertise, we have also concentrated since 2011 on noise protection construction projects not only along railway lines, but also on roads and in industrial and residential construction. With levels of approx. 10 dB, our noise protection systems have already reached the target of reducing average railway traffic noise by 50% by 2020, which is part of the DB2020 strategy of DB AG.

Noise barriers

Whether in noise remediation, noise prevention, major projects or high-speed lines – we are the specialist for noise protection systems.

Services

- From consultation to planning to final installation – everything from a single source
- Highly absorbent or reflective walls
- All materials – concrete, aluminium and transparent walls

- Special constructions, such as torsion beams
- Noise protection in urban areas – Urban Protection Shield®
- Temporary noise protection

Innovative low noise barriers

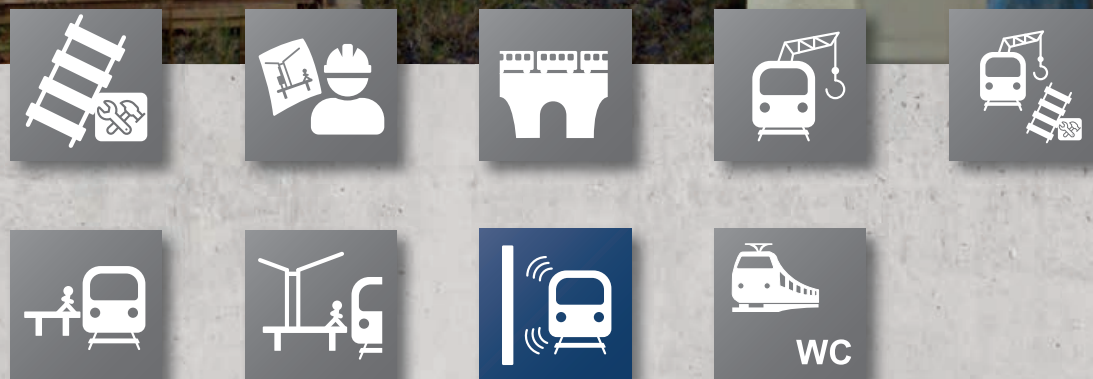
Wherever high noise barriers cannot be erected for reasons such as monument protection, preservation of the landscape and cityscape, or the prevention of fragmentation effects, our low noise protection systems and gabions are excellently suited. The sound is absorbed directly or close to the point of origin by up to 6 dB.

Transparent noise protection in industrial and residential construction

The passive noise protection system Urban Protection Shield®, which was developed in cooperation with our partner company, affords an unobstructed view while reducing noise with architecturally aesthetic elegance.

Customers

- DB Netz AG
- DB Station&Service AG
- Secondary railway operators
- Municipal transport authorities
- Cities and municipalities
- General contractors / construction companies
- Industrial and residential construction





With the rail & fresh brand, HE-RING Sanikonzept GmbH has specialised in the construction, operation and financing of toilet facilities in railway stations since 2010. With over 90 rail & fresh toilets installed to date, our company is now one of the leading toilet operators in and at railway stations throughout Germany.

In addition to the classic rail & fresh toilets for large, medium and small railway station buildings,

solutions for platforms and railway forecourts are also in demand. No matter which location our customers choose, our solutions can be individually adapted to all needs and local conditions, e.g. renovation in compliance with monument protection legislation. We also ensure maximum cleanliness and hygiene by employing self-cleaning technologies. Moreover, depending on the number of users, the toilet facility is either cleaned based on frequency or permanently staffed.

- Cleaning based on the number of users: Permanent staffed or cleaned based on frequency
- Voucher system: Users receive a voucher after paying a lump sum. This voucher can be redeemed at all participating partner shops.
- Environmental protection & sustainability: Use of microbiological cleaning agents
- High-quality brand design
- Maximum service quality



HERING Locations



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HERING Certificates|Permits|Pre-qualifications

Quality, creditworthiness, quality control and environment

- Quality management acc. to DIN ISO 9001:2015
- Q1 supplier of DB AG
- CrefoZert for outstanding creditworthiness
- ecovadis 2020 Gold
- AMS BAU – occupational safety management system
- Certifications from Güteschutz Beton NRW e.V.
- Test centre E in precast plant
- EMAS-certified environmental management
- Specialised company according to German Water Resources Act

Declarations of conformity, product certificates and certificates of conformity

- Certificates of conformity and product certificates – modula® platform system

- Declarations of conformity and product certificates – wall elements, rod-shaped components, roof slabs with webs (platform elements), foundation components
- DQB pre-qualification – HERING Sanikonzept
- DIN Certco CWC

Pre-qualification

- Structural engineering (cut-and-cover tunnel and framed structure, solid retaining structures)
- Construction works for infrastructure installations in the category „superstructure conventional – ballast“ (superstructure track lines, superstructure points lines, high-speed traffic 160 km/h)
- Construction works for infrastructure installations in the category „Construction under

railway operations“ (earthworks, underground cable works, cable laying)

- Construction services for infrastructure installations in the category „Earthworks, underground cable works, cable laying“ (supply and disposal lines and cable routing systems incl. civil engineering, cable laying) DQB confirmations of pre-qualification for steel work, steel construction work and structural façade work

Welding

- Manufacturer's qualification for welding of reinforcing steels acc. to DIN EN ISO 17660:2006
- Class E certificate regarding the manufacturer's qualification for welding steel structures according to DIN 1800-7:2008-11



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