

Complex solutions for railways



The Hering Group

The Hering Group of companies is a family-run, medium-sized company with its headquarters in Burbach (North Rhine-Westphalia). Over the past 125 years, the company has developed into a specialist for system solutions, both for the implementation of projects in the field of rail infrastructure, as well as for products in public spaces and architectural concrete facades.

One value of small and medium sized enterprises lies in their flexibility as an economic and social organism.

Around 500 members of staff work in the Hering Group. Since its inception, the group has seen itself as an association of many people who pool their creativity and invest their time and energy. At the same time, innovation is part of the group's responsibility towards the customer.

Transport infrastructure

The transport infrastructure division of the Hering Group has not only grown steadily over the decades, it successfully meets the requirements of the railway market at home and abroad. This is based primarily on the expertise and innovative ability of its staff, the further development of its range of services and high-performance machinery.

Over the years, the Hering Group has constantly expanded its capabilities, expertise, skills and geographic presence. In Germany the transport infrastructure division is operated at three sites, Burbach, Essen and Elsterheide. Structurally, transport infrastructure is divided up into the competencies of track construction, civil engineering, system roofs and system platforms, rail-bound large-scale machine technology as well as noise abatement

measures on road and rail. The interaction of these areas is an assurance that the Hering Group is capable of providing complex rail infrastructure measures under its own management as well as a high level of vertical integration.

For the customer, this has the benefit that all services are obtained from a single source, without the need for many contacts. Furthermore, the individual areas offer customer-oriented solutions for the operators of smaller railways, trams, port railways and private railway infrastructure companies. For the execution of work, Hering has a high-performance set of machinery to fall back on, as well as highly qualified specialists.

Quality:

Our company is a platform upon which the culture of construction is looked after. It is a place where things are permanently being built and the value of what has been built remains stable. Consistent quality management and regular audits emphasise this claim.

We are certified in accordance with DIN EN ISO 9001: 2015.

Environment:

The sustainable use of natural resources is a living element of our corporate practice and is constantly being optimised. With our certified environmental management system in accordance with EMAS and resource-saving production we want to make a contribution towards protecting and preserving the environment.

Occupational health and safety and health management:

Company health management (WHM) has been implemented for the benefit of all who are involved with the company. In addition, Berufsgenossenschaft Bau certifies that the Hering Group meets the requirements for systematic and effective occupational health and safety based on ‚AMS Bau‘ (09/2005).

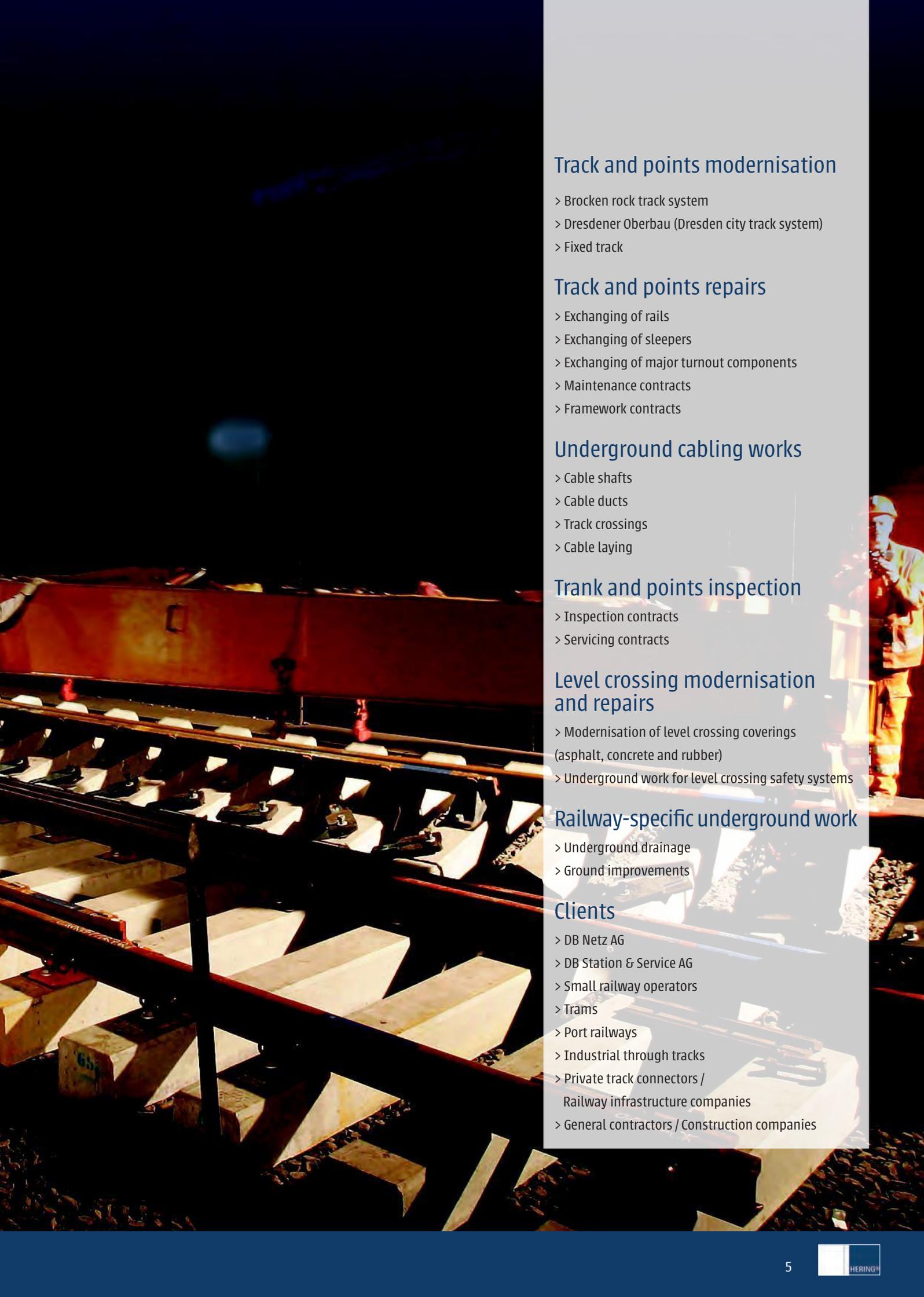
Hering Bahnbau GmbH is certified in accordance with the SCC ** regulations..



Hering Track construction



Our core competencies lie in the modernisation of tracks, points and level crossings (using the conventional construction method, as well as the assembly line method). The range of services is complemented by civil engineering and underground cabling works that is related to railways, track and point inspection and emergency measures (operations in the event of a disaster).



Track and points modernisation

- > Brocken rock track system
- > Dresdener Oberbau (Dresden city track system)
- > Fixed track

Track and points repairs

- > Exchanging of rails
- > Exchanging of sleepers
- > Exchanging of major turnout components
- > Maintenance contracts
- > Framework contracts

Underground cabling works

- > Cable shafts
- > Cable ducts
- > Track crossings
- > Cable laying

Trank and points inspection

- > Inspection contracts
- > Servicing contracts

Level crossing modernisation and repairs

- > Modernisation of level crossing coverings (asphalt, concrete and rubber)
- > Underground work for level crossing safety systems

Railway-specific underground work

- > Underground drainage
- > Ground improvements

Clients

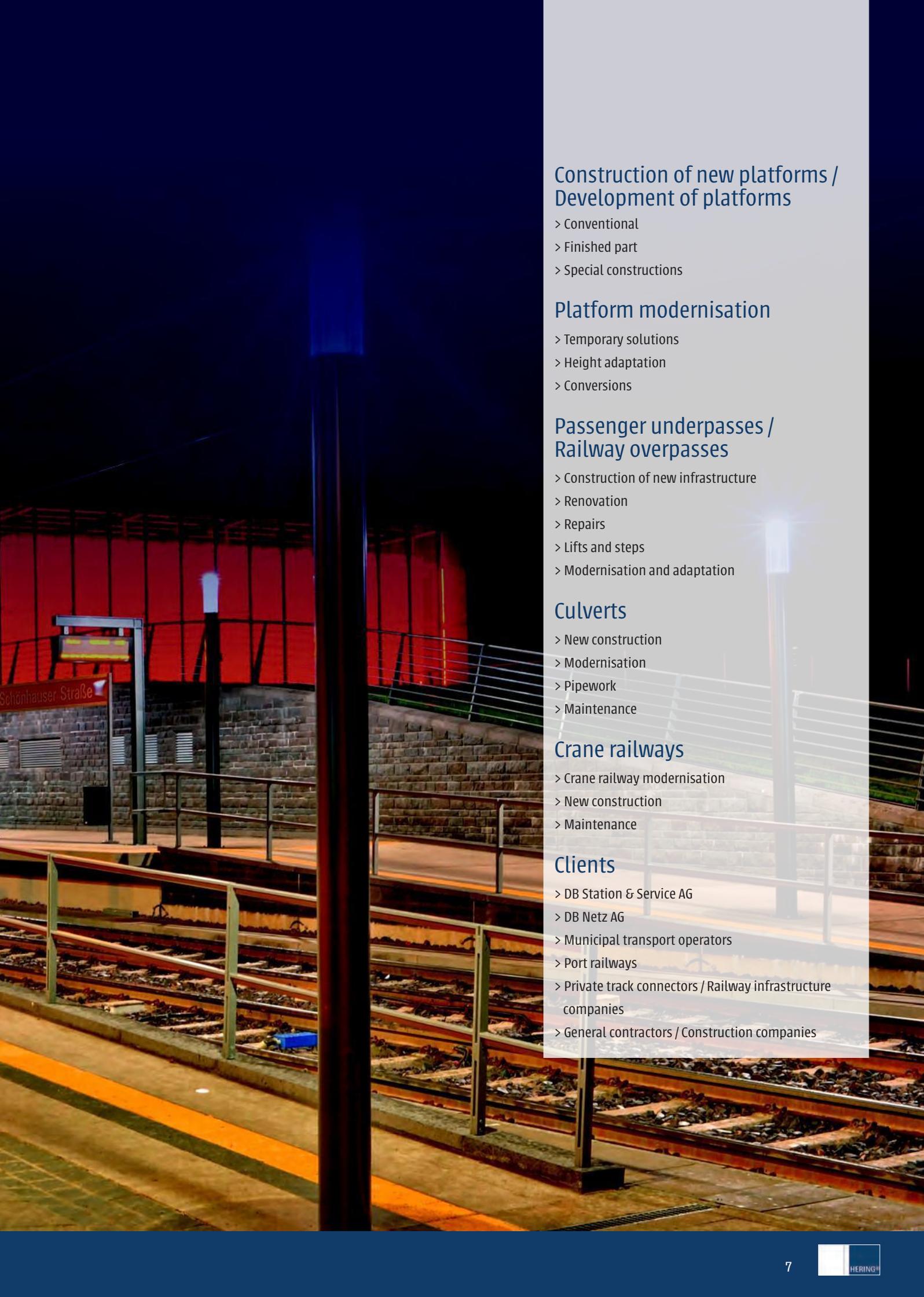
- > DB Netz AG
- > DB Station & Service AG
- > Small railway operators
- > Trams
- > Port railways
- > Industrial through tracks
- > Private track connectors / Railway infrastructure companies
- > General contractors / Construction companies

Hering Engineering

We are specialists in the field of railway-related engineering services. Our range of services include the construction of new platforms or culverts

building, renovation work, the creation of passenger underpasses and railway overpasses as well as the modernisation of passenger stations.





Construction of new platforms / Development of platforms

- > Conventional
- > Finished part
- > Special constructions

Platform modernisation

- > Temporary solutions
- > Height adaptation
- > Conversions

Passenger underpasses / Railway overpasses

- > Construction of new infrastructure
- > Renovation
- > Repairs
- > Lifts and steps
- > Modernisation and adaptation

Culverts

- > New construction
- > Modernisation
- > Pipework
- > Maintenance

Crane railways

- > Crane railway modernisation
- > New construction
- > Maintenance

Clients

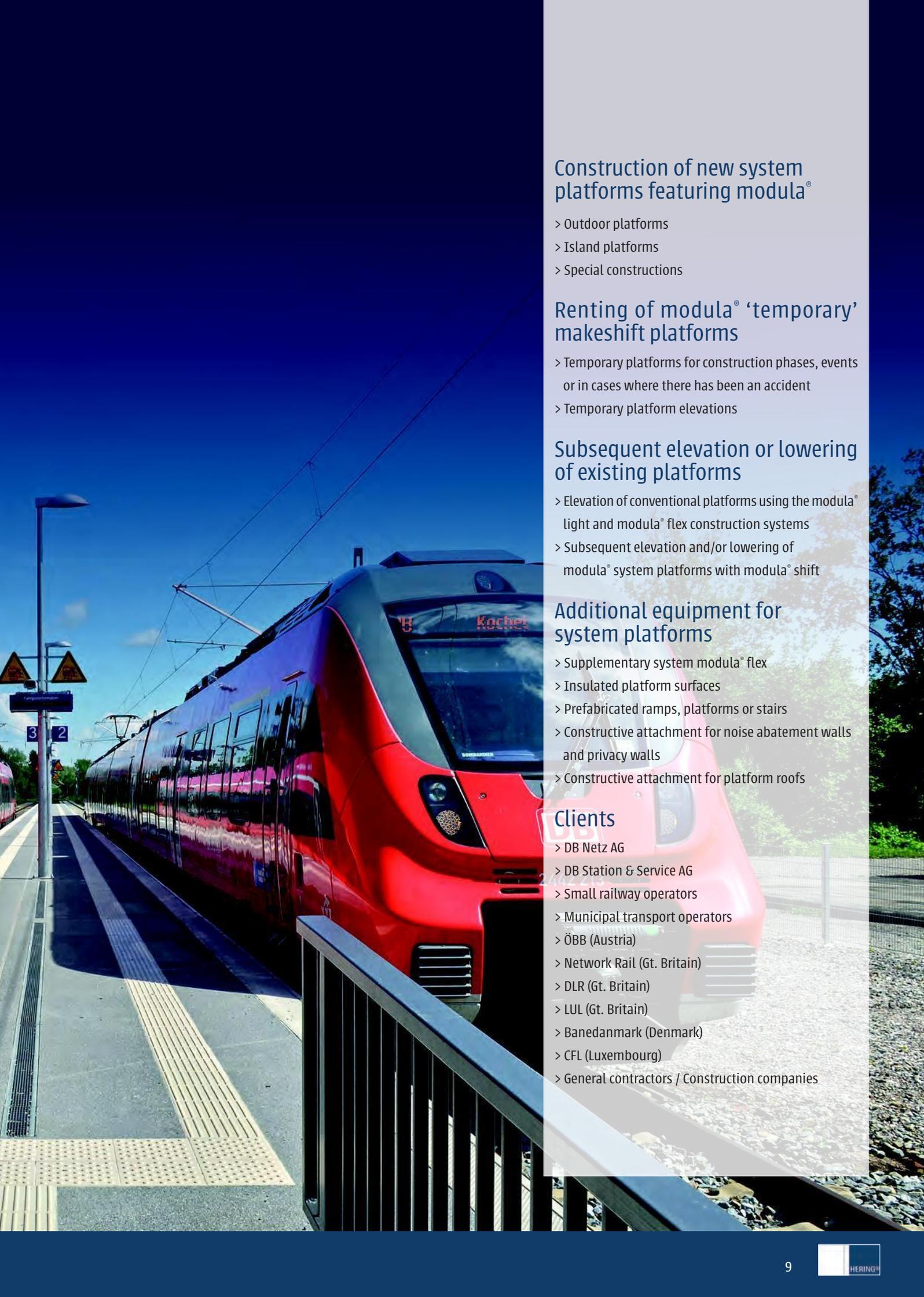
- > DB Station & Service AG
- > DB Netz AG
- > Municipal transport operators
- > Port railways
- > Private track connectors / Railway infrastructure companies
- > General contractors / Construction companies

Hering System platforms

The system platforms from the modula® family have now established themselves in Europe. In addition to numerous passenger stations in Germany, system platforms, made by Hering' can also be

found in AT, UK, DK, CH, B and LUX. The high degree of prefabrication reduces the installation time to a minimum, thus ensuring only a very small impact over the normal operation.





Construction of new system platforms featuring modula®

- > Outdoor platforms
- > Island platforms
- > Special constructions

Renting of modula® 'temporary' makeshift platforms

- > Temporary platforms for construction phases, events or in cases where there has been an accident
- > Temporary platform elevations

Subsequent elevation or lowering of existing platforms

- > Elevation of conventional platforms using the modula® light and modula® flex construction systems
- > Subsequent elevation and/or lowering of modula® system platforms with modula® shift

Additional equipment for system platforms

- > Supplementary system modula® flex
- > Insulated platform surfaces
- > Prefabricated ramps, platforms or stairs
- > Constructive attachment for noise abatement walls and privacy walls
- > Constructive attachment for platform roofs

Clients

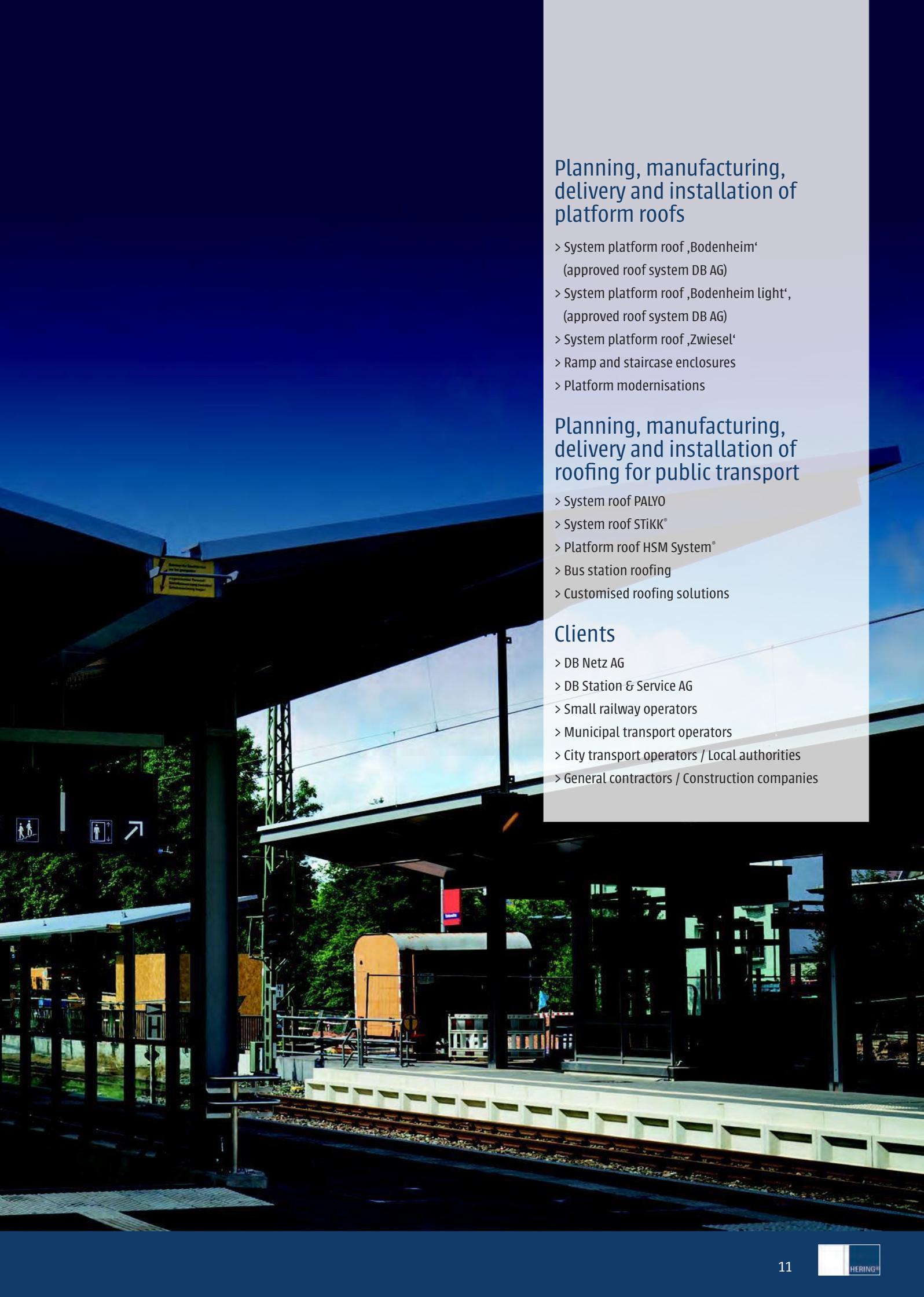
- > DB Netz AG
- > DB Station & Service AG
- > Small railway operators
- > Municipal transport operators
- > ÖBB (Austria)
- > Network Rail (Gt. Britain)
- > DLR (Gt. Britain)
- > LUL (Gt. Britain)
- > Banedanmark (Denmark)
- > CFL (Luxembourg)
- > General contractors / Construction companies

Hering System roofs

Experience from over 100 platform roofs and numerous other roofing projects we have delivered for municipal authorities guarantee our customers process security, quality and fixed costs from planning to completion. In order to achieve an optimum project result when planning

a construction project, Hering offers support from the word go. All system roofs from Hering stand out in terms of their high level of prefabrication, a modular construction method, economy and a fast installation.





Planning, manufacturing, delivery and installation of platform roofs

- > System platform roof ‚Bodenheim‘
(approved roof system DB AG)
- > System platform roof ‚Bodenheim light‘,
(approved roof system DB AG)
- > System platform roof ‚Zwiesel‘
- > Ramp and staircase enclosures
- > Platform modernisations

Planning, manufacturing, delivery and installation of roofing for public transport

- > System roof PALYO
- > System roof STiKK®
- > Platform roof HSM System®
- > Bus station roofing
- > Customised roofing solutions

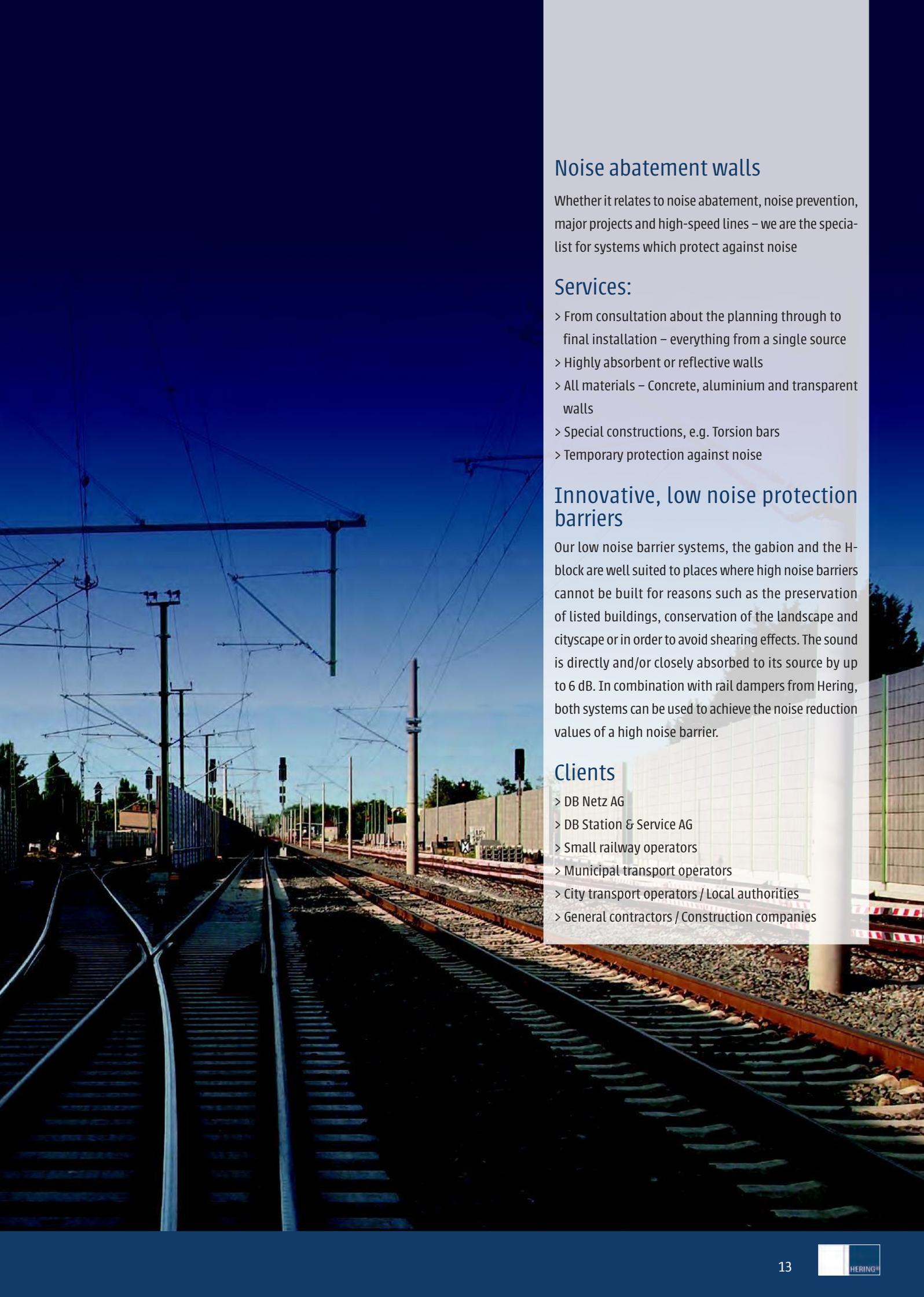
Clients

- > DB Netz AG
- > DB Station & Service AG
- > Small railway operators
- > Municipal transport operators
- > City transport operators / Local authorities
- > General contractors / Construction companies

Hering Noise abatement

Active environmental protection is an essential part of the corporate philosophy for the Hering Group and as such, since 2011, the group has concentrated on construction projects to reduce noise on railways and roads, as well as in other areas. Today, with

values of approx. 10 dB, the noise abatement systems from Hering already comply with DB AG's anchored target of reducing noise from rail traffic by half by 2020, as set out in the strategy DB2020.



Noise abatement walls

Whether it relates to noise abatement, noise prevention, major projects and high-speed lines – we are the specialist for systems which protect against noise

Services:

- > From consultation about the planning through to final installation – everything from a single source
- > Highly absorbent or reflective walls
- > All materials – Concrete, aluminium and transparent walls
- > Special constructions, e.g. Torsion bars
- > Temporary protection against noise

Innovative, low noise protection barriers

Our low noise barrier systems, the gabion and the H-block are well suited to places where high noise barriers cannot be built for reasons such as the preservation of listed buildings, conservation of the landscape and cityscape or in order to avoid shearing effects. The sound is directly and/or closely absorbed to its source by up to 6 dB. In combination with rail dampers from Hering, both systems can be used to achieve the noise reduction values of a high noise barrier.

Clients

- > DB Netz AG
- > DB Station & Service AG
- > Small railway operators
- > Municipal transport operators
- > City transport operators / Local authorities
- > General contractors / Construction companies

Hering Large rail-bound machinery

With an extensive fleet of railway cranes, the Hering Group supplies clients far beyond Germany's borders. Various railway cranes in the 45, 50, 100, 125 and 150 tonne class and an MFS unit with a

loading station are available for the execution of own construction projects as well for use on behalf of third parties.





Railway cranes – Hering Group

- > 2 x 45 to crane, profile free (Gottwald GS 40.08)
- > 2 x 50 to crane, profile free (Kirow KRC 400 und Telvar 50)
- > 4 x 125 to crane (Kirow KRC 810 T)
- > 2 x 125 to crane (Kirow KRC 910 T)
- > 1 x 150 to crane (Kirow KRC 1200 T)

Applications

- > Points up to a 2500 radius
- > Larger points in tandem
- > Track sections up to 36 m in length
- > All auxiliary bridges of DB AG up to a max. span of 24.5 m
- > Profile-free installation of precast concrete parts
- > Emergency operations
- > All kinds of bridge installation
- > Industrial installations

Material handling silo trucks (MFS) with a loading station (BLS 2000)

- > 4 x MFS38 (Plasser & Theurer): Material conveyor and silo unit with a bottom conveyor and rotatable transfer conveyor for the continuous loading and unloading of bedding materials, gravel or bulk materials (up to 38.00 m³ capacity). As a result of the rotatable transfer belt, the rail vehicles are suitable for the lateral unloading of material.
- > 2 x MFS38 (Plasser & Theurer): Material conveyor and silo unit with a bottom conveyor and transfer conveyor for the continuous loading and unloading of bedding materials, gravel or bulk materials (up to 38.00 m³ capacity).
- > 1 x BLS2000 (Plasser & Theurer): Loading station for loading just in front of the material conveyor and silo unit
- > Industrial installation

Two way excavator

- > 11 x A900 ZW
- > 5 x A922 Rail
- > 2 x 1604 ZW

Clients

- > Track construction companies
- > Deutsche Bahn AG
- > Private track connectors
- > Railway infrastructure companies
- > Factory railways
- > Industry

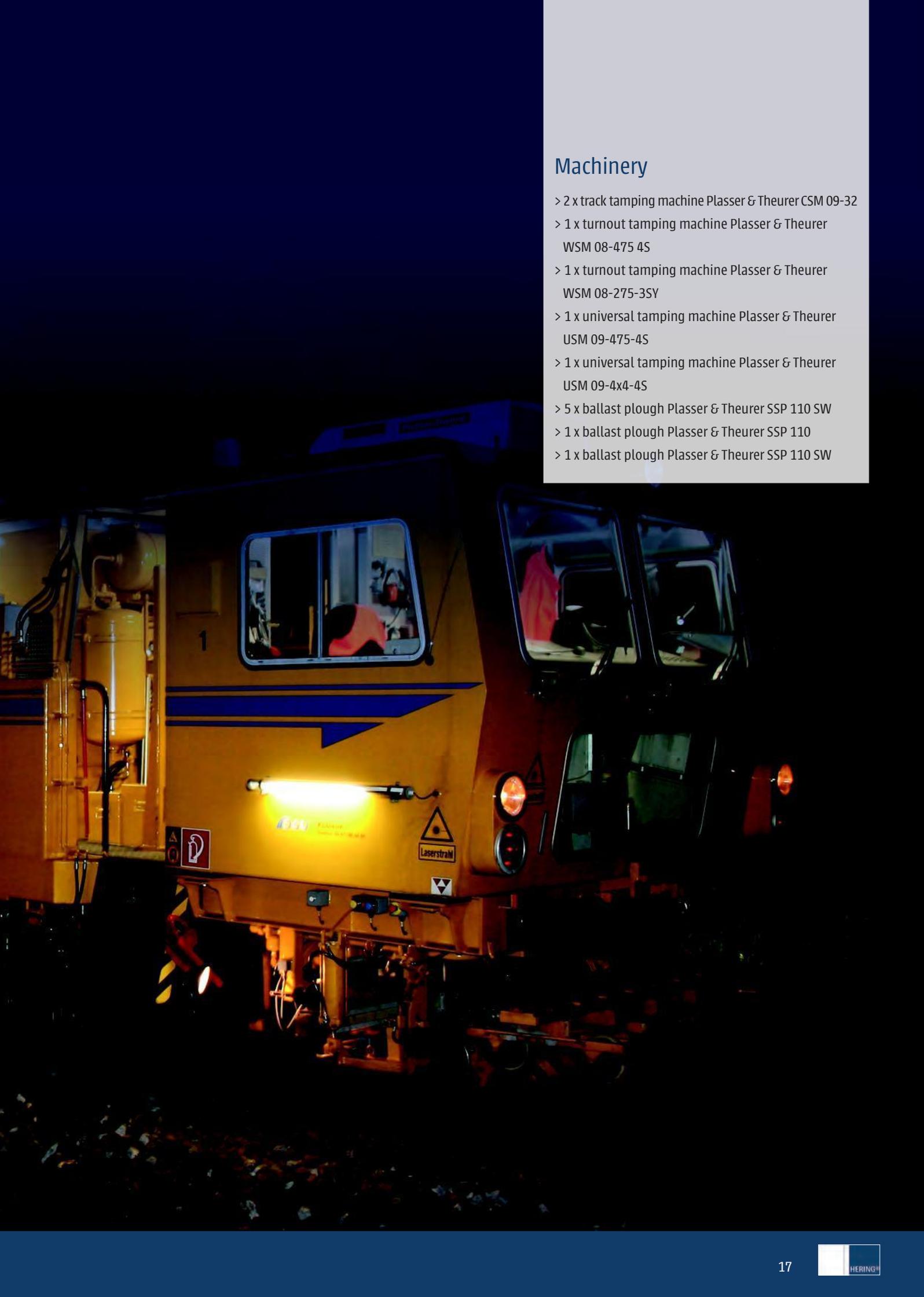
Hering Rail-bound track construction technology

Deutsche Gleisbau Union GmbH & Co. KG

For machinery related work related to maintenance/ repair and/or the construction of new tracks and points, the Hering Group uses the large rail-bound machinery of Deutsche Gleisbau Union GmbH &

Co. KG (DGU) as a shareholder. This ensures the permanent availability of powerful and innovative ballast cleaning machines, as well as tamping and levelling technology.





Machinery

- > 2 x track tamping machine Plasser & Theurer CSM 09-32
- > 1 x turnout tamping machine Plasser & Theurer WSM 08-475 4S
- > 1 x turnout 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 plough Plasser & Theurer SSP 110 SW
- > 1 x ballast plough Plasser & Theurer SSP 110
- > 1 x ballast plough Plasser & Theurer SSP 110 SW

Hering Certificates | Approvals

Prequalifications

Quality, quality control and environment

- > Quality management in accordance with DIN ISO 9001:2008
- > Certifications of Güteschutz Beton NRW e.V.
- > Test centre E in the precast plant
- > Certified environmental management in accordance with EMAS
- > A specialist company in accordance with the Federal Water Act

Declarations of conformity, product certificates and certificates of conformity

- > Certificates of conformity and product certificates for the modula® platform system
- > Declarations of conformity and product certificates – wall elements, rod shaped components, structural slabs with ligaments (platform elements), foundation components

Prequalification

- > Constructive engineering (tunnel in an open construction method and frame structures, massive supporting structures)
- > Construction services: Infrastructure in the 'Conventional track system – ballast' category (track systems, tracks/points, high-speed traffic) >161 km/h)
- > Construction services: Infrastructure in the 'Construction under railways' category (ground works, deep laying of cables, cable laying)
- > Construction services: Infrastructure in the 'ground works, deep laying of cables, cable laying' category (supply lines/waste disposal lines and cable guidance systems incl. underground construction, cable laying)

Welding

- > Manufacturer's qualification for welding reinforced steels in accordance with DIN EN ISO 17660:2006
- > Certification of class E: Manufacturer's qualification for welding steel constructions in accordance with DIN 1800-7:2008-11

Hering Locations



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