



# CREATING CONNECTED **DIMENSIONS**

# POINEER FOR THE RAILWAY SYSTEM.

Since the early 1990s, we have developed into one of the most high-performance, competitive railway infrastructure companies in Germany and Europe. As a system supplier, we realise projects of various sizes and conditions, creating the future of rail mobility.

Competent, economical, and on-schedule, we provide all services for the railway system – from planning to execution, from new build to revitalization and maintenance. SPITZKE's range of services is completed by our own production. We produce and supply, among other things, prestressed concrete sleepers and turnout sleepers as well as spun concrete masts, typical railroad steel masts of all types including accessories and individual steel construction. Especially in complex tasks, we show our strength: At SPITZKE, all trades always work hand-in-hand.

Rooted in railway infrastructure and connected across all sectors, we use our longtime experience and our know-how to increase existing process and performance standards to the highest level.

More than 2,300 employees in 18 locations throughout Europe go the extra mile for individual and efficient overall solutions in the interests of our customers. Accordingly, we intensively promote our employees' training and further education. Our own SPITZKE AKADEMIE enables each individual to develop his or her career in our more than 130 job profiles.

With a systemic continued development of all business fields and consistent investments in our technology and rolling stock, in innovation, and in the expansion of locations, SPITZKE is a modern, future-oriented, and competitive railway infrastructure company.

For further information, please see: [www.spitzke.com/en/home](http://www.spitzke.com/en/home)

A yellow rail maintenance train, labeled 'Die Gleis-Power', is shown on a track. The train consists of several yellow locomotives and maintenance cars. The text 'SPITZKE IN FIGURES. AT A GLANCE.' is overlaid on the image.

# SPITZKE IN FIGURES. AT A GLANCE.

# BUSINESS YEAR 2020/2021.



≈ 2,300  
employees



≈ 466 million €  
total operating performance in 2020/2021



18 locations in  
4 European countries



≈ 130 job profiles  
≈ 20 apprenticeship occupations



dismantling and installation of  
≈ 135 km overhead contact line



implementation of 7 highly complex  
large-scale infrastructure projects



11 subsidiaries  
at home and abroad



≈ 240,000 train  
path kilometres



≈ 1,000 projects across all  
trades of the SPITZKE UG



production capacity for 5,000 spun  
concrete masts / 8,000 steel masts p. a.



5 centers of excellence  
in Germany



production capacity for 1.2 million track  
sleepers / 180,000 m of turnout sleepers  
p. a.



≈ 350 rail-bound track-laying machines,  
equipment, locomotives  
≈ 60 road-bound large-scale machines



≈ 180 km mechanical  
track laying

For further information, please see: [www.spitzke.com/en/home](http://www.spitzke.com/en/home)







SPITZKE

OUR  
LOCATIONS.

# AT HOME AND ABROAD.



Through our centres of excellence established throughout Germany, we provide the necessary personnel and technical resources for all activities – regardless of whether in Germany or in neighbouring countries. Accordingly, we cover the full range of services in Denmark, Switzerland and Turkey.

## WITHIN GERMANY

**15** locations

**5** centers of excellence

## WITHIN EUROPE

**4** countries

- Germany
- Denmark
- Switzerland
- Turkey

For further information, please see: [www.spitzke.com/en/home](http://www.spitzke.com/en/home)

# OUR EXPERTISE.

**SPITZKE**   
EUROPEAN CLASS



# FLEXIBLY AVAILABLE AND CLOSELY CONNECTED.

Mainline or regional railway, urban or underground railway, tramway or industrial railway – as a system supplier, we offer all services from a single source.

**Track** — We carry out the maintenance, renewal and construction of new rail tracks with maximum performance, the greatest possible track availability and intelligent process control. We offer modern track construction as an individual service and complete contract.

**Technology** — We have modern track, foundation, contact line and transport technology in all performance classes. With these, we rely on innovative technologies and environmentally friendly project realization according to the latest standards.

**Equipment/Electrical Engineering** — Highly qualified, we unite all electrical engineering services, from the overhead line to the underground cable laying. We implement complex equipment projects, service and individual projects and maintenance measures, all of which we combine with planning and construction expertise.

**Large-Scale Projects/Structural Engineering** — For complex infrastructure projects, we stand for timely, cost-efficient and high-quality project realisation, from planning and work preparation to turnkey handover for the complete construction of railway line lots or extensive individual construction projects.

**Logistics** — An efficient and smooth construction process is decisively dependent upon the logistics. Therefore, we take care of the logistics coordination of railway construction sites, the material supply and disposal with special goods wagons and the transport of track-laying machines across all distances, using our own technology.

**Production** — We produce and supply, among other things, prestressed concrete sleepers and turnout sleepers, spun concrete masts, typical railway steel masts including accessories as well as individual steel constructions in our company-owned plants. State-of-the-art technologies are used to manufacture products that meet the highest quality standards.

For further information, please see: [www.spitzke.com/en/expertise](http://www.spitzke.com/en/expertise)





# EXPERTISE TRACK.

IMPLEMENT EFFECTIVELY.

# WE CREATE CONNECTIONS.

The scope for the track includes all services for complete track projects of all mainline, regional and connecting railways as well as private, urban and underground railways and tramways. With highest-quality standards and intelligent project management, we ensure maximum results from a single source within the shortest possible timeframe.

**Tracks and points** — With our qualified employees, modern technology and rolling stock, we undertake ballast cleaning and renewal work as well as the repair and renewal of rails, sleepers and points, both conventionally and by using conveyor belt methods.

**Civil engineering** — A proper substructure ensures the longevity of the track. When laying the formation protection layer, either conventionally or using conveyor belt methods, we create a reliable substructure for every requirement.

**Track welding** — Positionally stable, continuous tracks and points ensure rail traffic that is gentle on the wheels and low-noise. We use aluminothermic (AS), arc welding jointing and deposit welding using electric (E), E-MF processes and the making of Münch-thermite (MT) insulated rail joints.

**Rail inspection technology** — We work throughout Germany and Europe for nondestructive testing (NDT), rail technology services and quality monitoring for rail processing for inspection and documentation of the operational safety of tracks and points

**Track management & safety services** — The safety requirements for railway construction sites are high. We face this challenge and undertake all safety and traffic control measures within the track area. By merging our track construction and safety know-how, we continuously develop existing safety systems and bring these to market. An example is FATWS, a reduced noise construction site safety innovation we invented in-house.

**Construction site service** — In addition to our 24/7 emergency management service, we also service, maintain, and repair track-laying machines, track-laying equipment, locomotives and overhead line installation vehicles in our workshops or on construction sites.

For further information, please see: [www.spitzke.com/en/expertise/track](http://www.spitzke.com/en/expertise/track)

An aerial photograph of a yellow Spitzke rail-mounted machine on a set of tracks. The machine is positioned next to a body of water, with a sunset sky in the background. The machine has "SPITZKE" written on its side. A yellow container with "SPITZKE" written on it is also visible on the tracks. The scene is illuminated by the warm light of the setting sun, creating a golden glow over the water and sky. The machine appears to be a specialized piece of equipment used in construction or maintenance work near water.

# EXPERTISE TECHNOLOGY.

## MODERN EQUIPMENT.

# WE HAVE THE TRACK POWER.

Whether a track renewal train, tamping machine, pile driver, or locomotive – SPITZKE has the right track, contact line and transport technology in all performance classes for every railway infrastructure project.

With our track-laying machines, working equipment and locomotives, we always guarantee our customers parallel deployment of equivalent technology for all trades. Our technology is operated by experienced machinists and qualified mechanics. A technician knowledgeable in every detail of the machines is on site for every assignment. We guarantee the high degree of reliability of our SPITZKE technology and rolling stock through service, maintenance, inspection and enhancement of the machines in our own workshops.

**Track construction** — For sleeper and rail replacement, ballast recycling, tamping and profiling, ballast cleaning, formation rehabilitation or crane and excavator work, we rely both on conveyor belt technology such as the UM-S 2001, the RM 900 S, the RPM-RS-900 as well as on technology for conventional conversion.

**Foundations** — We build foundations for contact line and overhead line masts, signal cantilevers, signal bridges, wind turbines and sheet piling using large equipment such as track and land-based pile drivers, e. g. the Wirth ECODRILL 11 caterpillar pile driver and the Krupp track-mounted drills.

**Contact line installation** — With special technology, e. g. the ZECK complex laying unit, we implement complete projects for contact line construction as well as for the installation of rail power systems for mainline and regional railways, urban and underground railways and tramways.

**Locomotives, railway wagons, ancillary vehicles** — The SPITZKE technology and rolling stock contains more than 20 company-owned locomotives in all performance classes as well as railway wagons and ancillary vehicles for construction site logistics and rail transport.

For further information, please see: [www.spitzke.com/en/expertise/technology](http://www.spitzke.com/en/expertise/technology)





**EXPERTISE EQUIPMENT/  
ELECTRICAL ENGINEERING.**  
ACTING INNOVATIVELY.

# WE ENERGISE.

With our technical expertise Equipment/Electrical Engineering, we develop and supply the optimum power structure for all railway types. We build and renew track systems, signalling and safety engineering technology, telecommunications, electrical power and conductor rail systems. Furthermore, we are experts in civil engineering and cable laying.

**Planning** — Our own engineering company covers all phases of electrical engineering project planning.

**Long distance rail overhead contact lines** — Our experts are powerful partners in overhead contact line projects for long-distance rail to high-speed routes, from the planning to the foundation, mast erection work, railway earthing, OSE, catenary installation, to the turnkey handover.

**Short distance rail overhead contact lines** — For projects in local public transport, we offer the complete range of services with precision processes: new construction and conversion during train operation, from the mast foundation to the catenary installation.

**Urban and underground railway traction current** — We build and renew complete conductor rail systems for urban and underground railways and carry out cable installation and voltages of 30 kV.

**Power engineering** — We cover all necessary approvals and expertise for systems in low- and medium-range applications, the voltage supply of entire train stations and the turnkey rectifier substations.

**Control and safety systems/telecommunication** — Connected and complex rail infrastructure systems are a constant challenge that we face every day.

**Foundations** — As specialists, we build the foundations and erect contact line masts, signal cantilevers, signal bridge foundations, supporting columns for highly loaded noise control walls and temporary bridges for railways.

For further information, please see:

[www.spitzke.com/en/expertise/equipment-electrical-engineering](http://www.spitzke.com/en/expertise/equipment-electrical-engineering)



# EXPERTISE LARGE-SCALE PROJECTS/ STRUCTURAL ENGINEERING.

PRECISE PLANNING, DESIGN AND CONSTRUCTION.

# WE KNOW HOW IT WORKS.

With our expertise Large-Scale Projects/Structural Engineering, we carry out complex infrastructure projects and the most difficult civil engineering projects. In all projects, we stand for timely, cost-efficient and high-quality project realisation, from planning and work preparation to turnkey handover for the complete construction of railway line lots or extensive individual construction projects.

In order to accelerate project handling for our customers, we rely on services from a single source and bundle the know-how of our expertise Structural Engineering, Track, Equipment/Electrical Engineering and third-party trades.

**Bridges** — Our Large-Scale Projects/Structural Engineering experts realise crossing structures for all rail and road traffic, made of reinforced concrete, prestressed concrete and all-steel composite construction methods. We place particular emphasis on time-saving execution with little disruption of operations; for example, we use temporary track bridges and incrementally launched methods to achieve this.

**Functional buildings** — We construct functional and modular buildings for rectifier substations, signal boxes, switching stations, feeder stations, 50 Hz systems, pumping stations and much more.

**Tunnels** — Our services include underpasses for road, rail and pedestrian traffic, culverts and utility crossings, junction and multigrade railway line structures.

**Retaining structures** — The range of our services includes the erection of retaining walls and sheet piling as well as noise control walls.

**Railway stations** — We build railway stations for our customers, accessible and turnkey, including reception buildings with complete building services, service facilities, utility rooms, access facilities for passengers, passenger information and safety systems, platforms and external facilities.

For further information, please see:

[www.spitzke.com/en/expertise/large-scale-projects-structural-engineering/](http://www.spitzke.com/en/expertise/large-scale-projects-structural-engineering/)





**EXPERTISE  
LOGISTICS.  
ACCURATELY CLOCKED.**

# WE COORDINATE RELIABLY.

As a European railway transport company and certified specialist disposal company, our logistics division undertakes the diverse logistical tasks of railway construction sites and all kinds of rail transport movements. With more than 20 locomotives in our technology and rolling stock and a comprehensive range of goods wagons, we offer tailor-made logistics solutions for every requirement.

Our locomotives are modernised continuously, especially with regard to environmentally friendly emission reductions and are serviced and operated by our own qualified personnel with many years of experience. Our processes are always aimed at achieving the highest reliability and quality.

The SPITZKE expertise logistics able to act on very short notice around the clock and to flexibly respond to changes. This is supported by live tracking of our trains.

**Construction site logistics** — We take care of the complete planning, handling and implementation of construction site logistics. The supply of construction materials is based on the operational schedule, flexibly adapted to real conditions – for just-in-time delivery directly to the construction site and to the actual worksite.

**Transport** — As a railway transport company with safety certificates Part A and Part B, we implement goods and special transport movements by rail in Germany and in cross-border traffic. We offer solutions for any transport, any freight and undertake special transport movements, pilot services and the provision of shunting personnel.

For further information, please see: [www.spitzke.com/en/expertise/logistics](http://www.spitzke.com/en/expertise/logistics)

The background image shows a vast outdoor storage yard for concrete railway sleepers. Numerous stacks of grey, rectangular sleepers are arranged in neat rows, sloping upwards from left to right. In the background, a large yellow gantry crane spans across the yard. To the left, a tall metal lattice tower stands against a blue sky with light clouds. In the foreground, a set of railway tracks curves through a field of tall green grass and small purple flowers. The overall scene conveys a sense of large-scale industrial production and logistics.

**EXPERTISE  
PRODUCTION. CONCRETE.**  
QUALITY ON THE TRACK.

# WE SET INDUSTRY STANDARDS.

At our Moellenhagen location, we operate one of the largest works for the production of prestress concrete products in Europe. With efficient production plants and a large storage and loading capacity, we are able to respond flexibly and quickly to customer enquiries from home and abroad.

Our unique production control system (MES) monitors and documents the most important production processes and quality parameters. This allows us to ensure that the respective required parameters are met in all stages of the production process. The assembling and feeding of the prestressing steel are also fully-automated, using plants that have been developed especially for this purpose.

**Standard and special track sleepers** — Latest standards, quality gates and a comprehensive production control and monitoring system ensure the consistently high quality of our products.

**Turnout sleepers** — The production of bearers is characterised by its high degree of individualisation. We supply the right product according to customer

requirements for all standard and a large number of special purpose sleepers with individual fastening components.

**Railway and catenary masts** — We produce railway and overhead line masts in all required lengths up to 18 metres using a spun concrete process. The maintenance-free masts are then delivered free to the construction site by rail or self-unloading trucks.

**Gravel quarrying and old sleeper recycling** — Our own gravel pit on the production site provides us with optimum access to different mineral aggregates for the production of precast concrete elements and ready-mix concrete. We complete our range of supply and disposal services for railway construction sites with the recycling of waste sleepers.

For further information, please see: [www.spitzke.com/en/expertise/production](http://www.spitzke.com/en/expertise/production)





**EXPERTISE  
PRODUCTION. STEEL.  
PRODUCE SUSTAINABLE.**

# WE STAND FOR PROFESSIONAL STEEL CONSTRUCTION.

The high-quality steel structures and challenging special constructions from our company-owned plant in Naumburg are known far beyond the borders of Germany. The product range includes the production of steel masts and electrification systems (typical railway steel construction) as well as aluminium structures and industrial steel structures.

**Steel masts** — We manufacture our products in different variants and designs depending on the location and local conditions. We manufacture our steel masts for the four areas of electrification, lighting, signalling and for special projects in accordance with Ebs and DR-M regulations.

**Mast accessories** — As an accessory, supplement and system solution for steel and concrete masts as well as tunnel electrification, we manufacture attachments in different versions.

**Railway-specific steel construction** — With the production of all types of signal masts, we ensure the safe expansion of railway infrastructure throughout Europe. In addition, our portfolio also includes signal gantries and

steel structures for Deutsche Bahn AG substations, special and customised designs for local transport as well as railings and protective measures.

**Machining and welding** — Our oxygen cutting machine Voortman V304 is a CNC plasma cutting machine with multi-torch machining that combines thermal burning with plasma cutting. It has four cutting heads and is more economical than conventional machines.

**Track terminations** — In the production of track terminations, we draw on our experience and work with the highest precision to ensure our high quality standards as well as our safety promise.

**Industrial and general steel construction** — We are well known for simple welded assemblies, three-dimensional pipe and roof structures and have also established ourselves as a supplier of components for mechanical and plant engineering.

For further information, please see: [www.spitzke.com/en/expertise/production](http://www.spitzke.com/en/expertise/production)





**INTERNATIONAL.**  
**WE EXPORT POWER.**

**SPITZKE**   
EUROPEAN CLASS

A yellow SPITZKE transport train is visible in the foreground, moving across a green field. In the background, there is a large, rugged mountain range under a clear blue sky. The train consists of several yellow flatcars, with the word 'SPITZKE' clearly visible on the side of one of the cars.

# WE CONNECT UNLIMITED.

Denmark, Luxembourg, Norway, the Netherlands, Switzerland or Turkey – the SPITZKE Group operates internationally. Well-established teams and our own machines bring our know-how directly to the construction sites. Our experts ensure that the quality of execution in each destination country corresponds to the high standards we require.

Our foreign department coordinates all preparations to schedule the local conditions in the best possible way upfront. It handles the approval of the machines, organizes logistics and closing periods, checks employment conditions and takes into account climatic, geographical and administrative challenges.

We are the high-performance and reliable partner for projects of national and international clients. Our international clients include railway companies, for instance CFL (LUX), Banedanmark (DK), Banverket (S), Jernbaneverket (N), ProRail (NL), SBB (CH) and TCDD (TK) as well as industrial customers.

For further information, please see: [www.spitzke.com/en/home](http://www.spitzke.com/en/home)