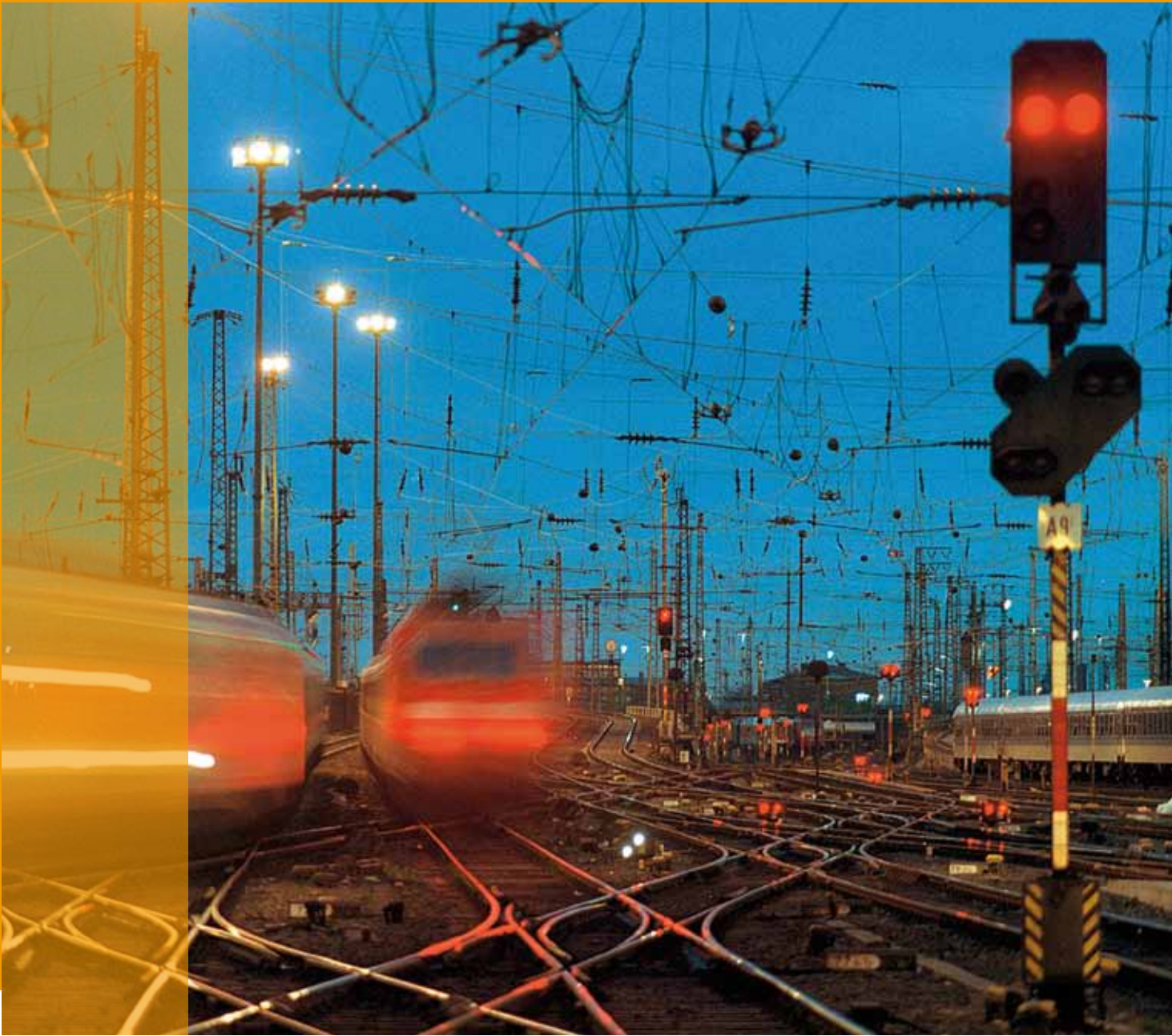


We set the course  
for railway transportation



Source: Deutsche Bahn AG/Max Lautenschlaeger



As a certified manufacturer FRIEDRICH HIPPE delivers numerous components for railway infrastructure. Our products and services make railway traffic possible.

## A competent partner out of tradition

Since 1954 FRIEDRICH HIPPE has had a reputation for quality and expertise in railway technology. As a third generation family business we are a recognized certified partner for infrastructure and vehicle components. Today, we have years of experience and know-how and up-to-date production technologies. Qualified and highly motivated staff guarantee advanced solutions for our customers – all over the world.

With the relocation to a new site in 2010 FRIEDRICH HIPPE laid the foundation for a successful future. The optimized production site ensures the future competitiveness of our company.

FRIEDRICH HIPPE has numerous certificates. These include:

- DIN EN ISO 9001:2008
- Q1-supplier of Deutsche Bahn AG since 1997
- DIN 18800-7 Class D: Steel structures – Execution and constructor's qualification
- DIN EN 15085-2 Class CL1: Railway applications – Welding of railway vehicles and components

FRIEDRICH HIPPE is therefore qualified to supply for safety critical applications.

Our engineering capacities comprise design, development and necessary FE analysis in the fields of containers, cases and vehicle components for the railway industry as well as structural analysis for railway infrastructure.

References include:

**SIEMENS**



**THALES**

**Balfour Beatty**  
Rail

**vossloh**  
KIEPE



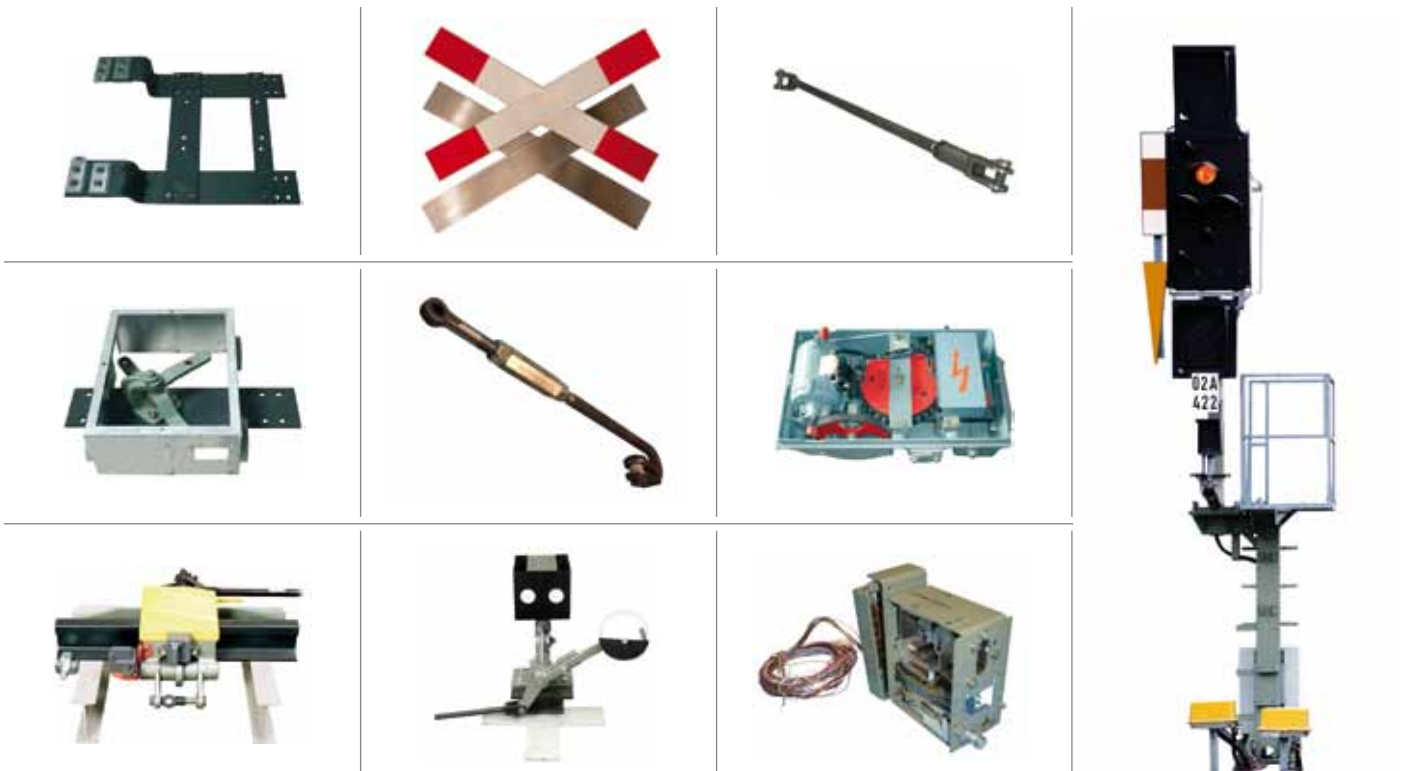
# Infrastructure needs excellent components

With throw and detection rods, bearings, signal racks, derailing stops and switch point drives FRIEDRICH HIPPE provides an extensive range of products related to switch points. All components comply with the required standards (e.g. Deutsche Bahn) or are customized.

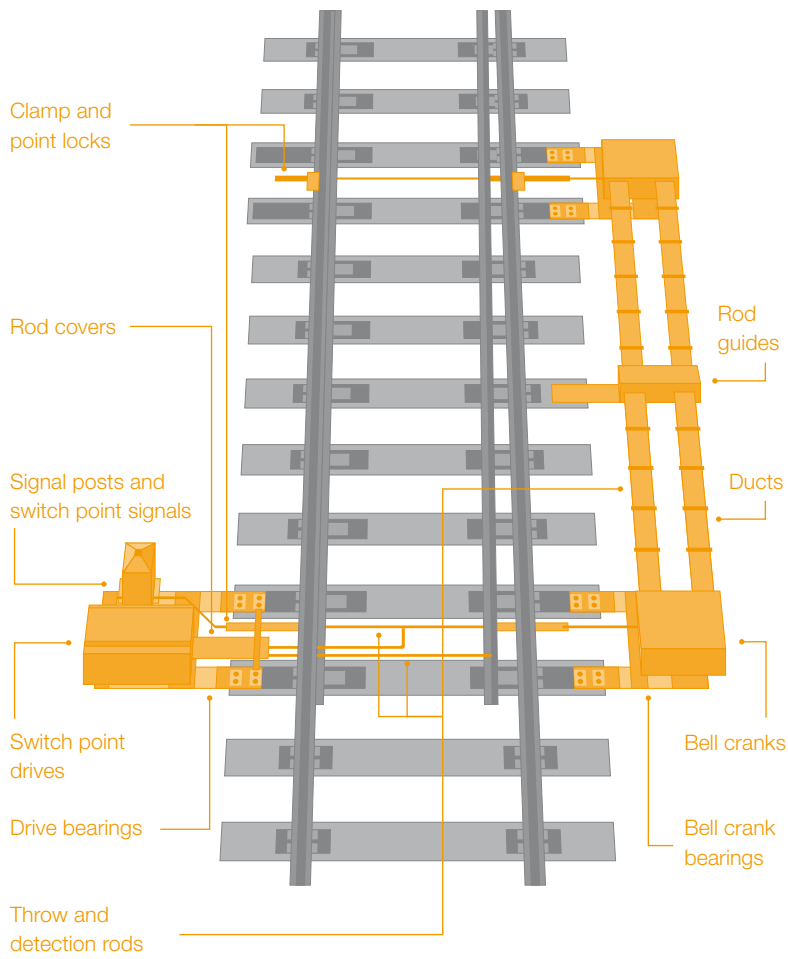
For railway infrastructure FRIEDRICH HIPPE manufactures a wide range of lighting masts and signal posts. We offer them according to any railway standard or tailored to your special needs and deliver them ready-to-install directly to the point of destination. Of course all products have the necessary homologations and structural approvals.

For level-crossing technology we produce barriers, grid hangings, barrier drives and St. Andrew's crosses.

Our range of products is completed by components for contact lines and signal boxes such as switch drives and key interlocks.



This is only an excerpt from our product portfolio.



Components of our production are marked.

Source: Deutsche Bahn AG/Max Lautenschlaeger



Source: Deutsche Bahn AG/Guenter Frank



Source: Deutsche Bahn AG/Guenter Jazbec



## Components for trendsetting railway vehicles

Besides infrastructure products FRIEDRICH HIPPE produces carrier systems and containers for railway vehicles and busses. These systems are made from steel, aluminum or stainless steel for air conditioning, fire extinguishing or power supply systems.

In addition, our portfolio includes products for railway vehicles like door pillars, bogie components, buffer cases and air spring plates. For all these products the complete process chain is covered in-house.



# Production according to the process chain

With its comprehensive equipment FRIEDRICH HIPPE covers all steps for the processing of steel, aluminum and stainless steel.



## Sheet metal forming

- Bending
- Laser cutting
- Die cutting
- Cutting

## Welding

- All arc welding processes
- Flash-butt welding
- Spot welding

## Machining

- CNC machining centers
- CNC turning machines
- Conventional drilling and turning machines

## Surface technology

- Phosphating
- Sand blasting
- Paint shop for water-based paints
- Paint-spray line for PUR-paints and bitumen
- Powder coating

## Quality control

- CMM coordinate measurement machine
- Mobile measurement arm
- Spectroscopic analysis

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