



## Vossloh Cogifer: Customer Services



Experts in points and crossings and in signalling systems

# Experts on-hand to serve you

Fully-integrated in our production sites, our Services department provides you with the Vossloh Group's expertise and skills in points and crossings and related equipment.

## Rail network technical support and expertise

Points and crossings and their manoeuvring systems, including engines and locks, must be regularly checked to guarantee material safety and durability.

These inspections cannot be automated and require specific expertise.

To ensure that checks are undertaken in accordance with the rules and to guarantee rail traffic safety, we propose the following services:

- ▶ Specific inspection datasheets for each type of points and crossings, including individual manoeuvring and control systems.
- ▶ Practical full-inspection training for maintenance teams on Vossloh Cogifer material.
- ▶ Support during inspection rounds: training agreements covering several years if necessary.
- ▶ Periodic expertise using specialized tools.
- ▶ Defining the corrective and preventive actions to be taken.

Each expertise is followed up by a report detailing the results of the checks carried out and any corrective or preventive actions required.

Specific actions may then be implemented under the supervision of Vossloh Cogifer Services.



## Training



Established in 2006, the aim of the Vossloh Cogifer training centre is to accompany operators in using, managing and up-keeping the equipment and products that we distribute throughout the world. Our training centre, which has welcomed more than three hundred customers since it was created, provides annual training programmes and a comprehensive assessment of your needs:

- ▶ Product introduction training.
- ▶ Basic training, in particular on how our equipment works.
- ▶ Advanced training, up to mastering maintenance.
- ▶ Expert training validating operating procedures and skills.

**In addition, we propose a variety of theme-based and customized programmes.**

## ► 3 centres of excellence!



### Work on tracks

#### Technical support when laying rail tracks.

Appropriate knowledge of the material is required when laying points and crossings (new or renewed tracks) to ensure compliance and traffic safety.

Building on its experience gained from working on numerous networks, Vossloh Cogifer can help layers during these operations by providing:

- Technical support when tracks are laid.
- Interface managed with our services.
- Adjustments and commissioning of manoeuvring equipment and locking and control safety products.
- Comprehensive inspection of laid points and crossings, including specific inspection datasheets for each.

#### Grooved rail welding.

Special Vossloh Cogifer process that can, if necessary, replace thermite welds.

#### Renewal by welding.

#### Mechanism replacement and adjustment.

#### Specific grinding on tracks.

#### Re-bending switch blades.

#### Reconditioning of parts in the workshop.



### OPERATOR ADVANTAGES

- Prevents operational outage by optimizing preventive maintenance
- Ensures operational reliability
- Prevents impromptu malfunctioning
- Maintenance costs are anticipated
- Guarantees better monitoring of product performance changes
- New solutions can be implemented by adapting material in operation
- Specific maintenance operations can be carried out under specialist supervision
- Guarantees traffic safety





## A world-renowned expert



*As a technical partner, we strive to work hand-in-hand with you, to ensure your projects are successful !  
We remain attentive to all your requirements.*



### OUR KEY REFERENCES

#### National railways:

Algeria, Germany, Austria, Saudi Arabia, Australia, Belgium, Canada, Cameroon, China, Ivory Coast, Croatia, Denmark, Spain, Egypt, Ethiopia, Finland, France, Gabon, Greece, India, Indonesia, Iran, Israel, Italy, Ireland, Luxembourg, Libya, Malaysia, Morocco, Mauritania, Norway, Poland, Portugal, Romania, Senegal, Serbia, Slovenia, Sweden, Taiwan, Czech Republic, Thailand, Tunisia, Venezuela, etc.

#### High-speed networks:

England, Belgium, China, Korea, Spain, Finland, France, Italy, Norway, Sweden, Turkey, etc.

#### French urban transport networks:

Bordeaux, Brest, Clermont Ferrand, Grenoble, Le Havre, Lille, Lyon, Marseille, Montpellier, Mulhouse, Nantes, Nice, Orléans, Orly, Roissy, Paris, Rennes, Rouen, St-Etienne, Strasbourg, Toulouse, Tours, Valenciennes, Val de Seine, etc.

#### Foreign urban transport networks:

Belgium, Canada, Chilli, Korea, Dubai, USA, Hong Kong, Italy, Japan, Mexico, Switzerland, Taiwan, Turkey, etc.