



Asset Intelligence for data-driven decision-making



Eurailscout is your partner for rail inspections. We have over 30 years of experience in supporting infrastructure managers, maintenance contractors and operators across Europe to guarantee the reliability, availability, maintainability and safety of rail assets.

Using advanced technologies, we acquire, process and analyse railway asset data to provide you with actionable information on and valuable insights into the condition of rail infrastructure. In this way, we help you make the right, data-driven maintenance decisions.

From data to decisions

Maintaining railway infrastructure cost effectively starts with understanding its condition. Eurailscout offers supports in every step of the process, from inspecting and acquiring data to analysing them and providing actionable information.

1. Data acquisition

We perform inspections using advanced measuring technologies and dedicated inspection vehicles. These vehicles are increasingly non-self-propelled for flexibility and sustainability. Our measurements cover all key railway assets, including tracks, switches, overhead lines, subsurface and the railway environment.

2. Seamless integration

Our systems easily integrate with your existing asset management and maintenance processes and combine data streams to ensure that relevant information is available where and when you need it.

3. Efficient operations

Inspection activities are carefully planned and executed to minimise disruption to railway operations. Most measurements are carried out during normal traffic conditions, without impacting network availability. Our inspection vehicles increasingly operate at track speed.

4. Data processing and analysis

Large volumes of measurement data are processed automatically by our specialists and advanced analytics solutions. By combining data from multiple sources, we create a complete, up-to-date and reliable overview of asset condition.

5. Asset Intelligence

Through TrackExact, our integrated Asset Intelligence platform, you gain direct access to clear dashboards, condition trends and actionable information that support data-driven maintenance decisions.

Our areas of expertise

We acquire, process and analyse data on all major rail assets

Rail defects

Using a combination of ultrasonic, eddy current, laser and video technologies, we detect both internal and surface defects. This enables early identification of issues before they develop into failures.

Track & switch geometry

We measure parameters such as track gauge, alignment, cant, twist, gradient and rail profile. These measurements help identify deviations that may affect safety, ride quality or asset lifetime.

Overhead line

We inspect the condition and positioning of overhead contact line infrastructure, including wire height, stagger, wear and the position of supporting structures.

Corridor imagery

We assess the wider railway environment, including surrounding assets and potential risks that may influence network performance, safety or maintenance planning. These images can also be used for virtual inspections.

Trackbed and subsurface

We inspect the condition of the trackbed and supporting infrastructure to provide insight into underlying issues that may affect track performance and stability. This helps to detect voids, for instance, map the substructure beneath railway tracks and identify underground cables and pipes before starting groundwork.

Our unique approach

Eurailscout's approach is unique: we not only acquire data but use various technologies to do so and analyse it all together in an efficient and effective way. By combining different measurements and data streams, we create a more complete and reliable assessment than any individual technology can provide on its own.



Ultrasonic inspection to reveal internal rail defects.



Eddy current technology to detect early-stage surface cracks.



Video and imaging systems to provide visual verification and context.



Ground-penetrating radar for non-destructive imaging of ground, concrete and other structures.



Additional measurement systems to supply information on geometry, wear and surrounding assets.

Key customer benefits

Our proven results offer several key benefits:



Increased reliability

Accurate, up-to-date information on asset condition and performance helps you make better informed maintenance decisions.

Improved availability

Measuring typically takes place during normal railway operations, reducing the need for track possessions and service interruptions.



More efficient maintenance

Objective, accurate asset data helps you to identify issues earlier, prioritise interventions more effectively and optimise maintenance planning.



Enhanced safety

Our automated inspections reduce the need for personnel to work on or near the track, while improving the consistency and quality of asset assessments.





About Eurailscout

Eurailscout is a leading European provider of Asset Intelligence solutions for railway infrastructure. Headquartered in Amersfoort, the Netherlands, we acquire, process and analyse railway asset data and turn it into actionable insights for infrastructure managers, contractors and railway operators throughout Europe.

Our mission is clear and simple: Eurailscout lays a solid foundation for data-driven decision-making to keep rail networks safe, available and future-ready.

Contact us

Would you like to discover how Asset Intelligence can improve your maintenance strategy and asset performance? Find out more on www.eurailscout.com

