

HIGH-PRECISION MEASUREMENT INSTRUMENTS TRACK INSPECTION & RAILWAY ENGINEERING SERVICES

Booth 410 | Hall 23

InnoTrans 2026 · 22–25 SEP 2026 · Berlin



INFORMATION ABOUT THE JOINT BOOTH BY:



Manufacturing inspection trolleys & vehicle mounted systems

Komerční železniční výzkum, spol. s r.o.

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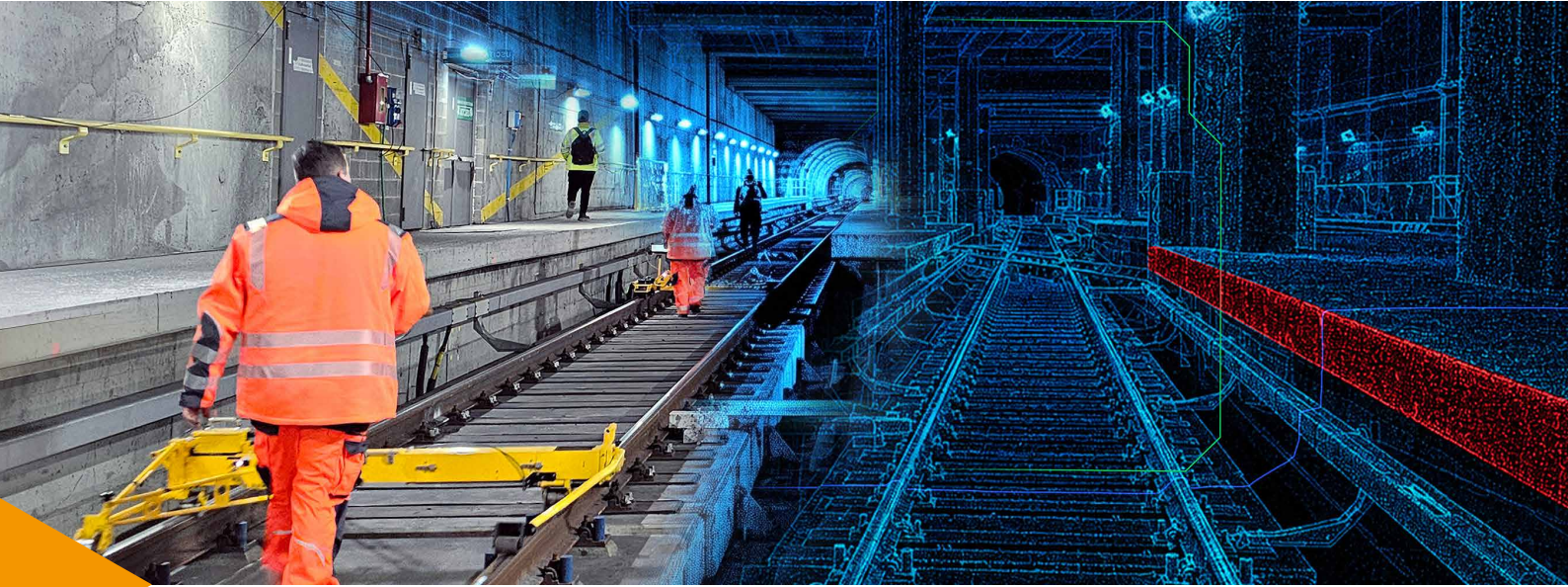
Providing track geometry & infrastructure inspection services

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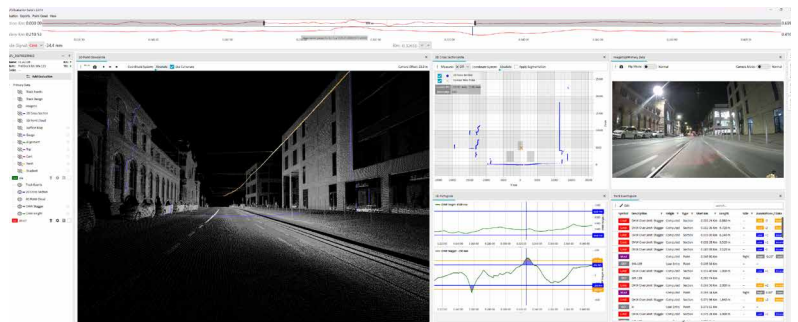


OVER 35 YEARS OF EXPERIENCE MANUFACTURING HIGH PRECISION MEASUREMENT INSTRUMENTS

- MANUFACTURING INSPECTION TROLLEYS & VEHICLE MOUNTED SYSTEMS
- ACCREDITED CALIBRATION LABORATORY - ISO/IEC 17025
- DEVELOPING MEASUREMENT & ANALYSIS SOFTWARE
- PROVIDING DIGITAL SERVICES & SOLUTIONS
- INTEGRATION WITH EXISTING SYSTEMS & SOLUTIONS



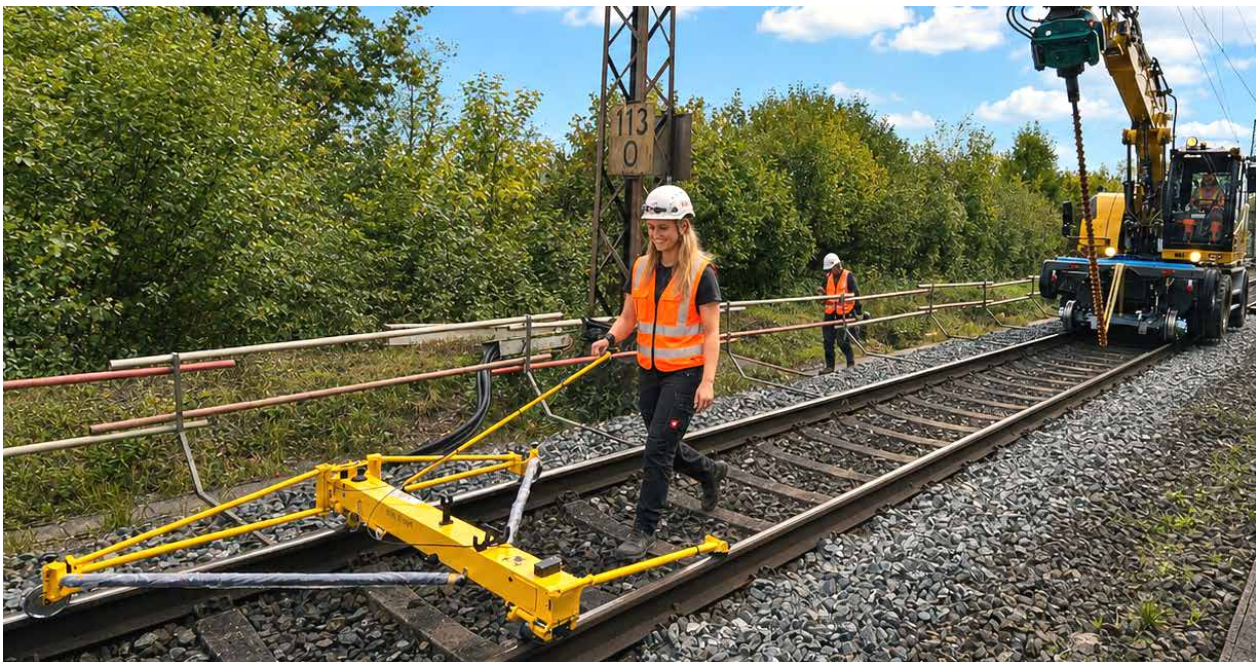
Designed for infrastructure managers, railway operators and maintenance contractors, our solutions support efficient inspection, maintenance planning and asset management.





OVER 35 YEARS OF EXPERIENCE IN RAILWAY INFRASTRUCTURE INSPECTION & PLANNING

- PROVIDING TRACK GEOMETRY & INFRASTRUCTURE INSPECTION SERVICES
- DIGITAL ASSET DOCUMENTATION & CONDITION ASSESSMENT
- ENGINEERING, DESIGN REVIEW & QUALITY CONTROL
- PLANNING MODERNIZATION & INFRASTRUCTURE PROJECTS
- INSPECTION EQUIPMENT SALES & SUPPLY



We support infrastructure operators and transport companies in planning safe, efficient and future-ready railway systems. Combining engineering expertise with practical experience, we provide reliable solutions from concept to implementation.

ADDITIONAL INSPECTION SERVICES

- OVERHEAD CONTACT WIRE MEASUREMENT (STAGGER AND HEIGHT)
- CLEARANCE INSPECTION (NARROW PASSAGES)
- DETERMINATION OF TRACK CENTER
- PLATFORM INSPECTION (DISTANCE AND HEIGHT)
- FUNICULAR RAILWAY INSPECTION
- ASSET DOCUMENTATION AND CONDITION ASSESSMENTS

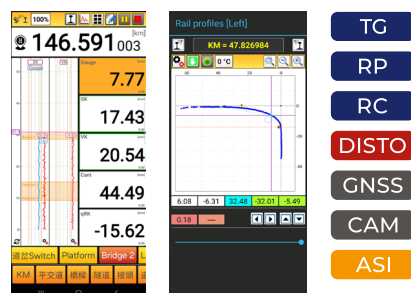


OUR MODULAR MEASUREMENT & INSPECTION TECHNOLOGIES

CONFIGURABLE AND INTEGRABLE INTO DIFFERENT CARRIER PLATFORMS

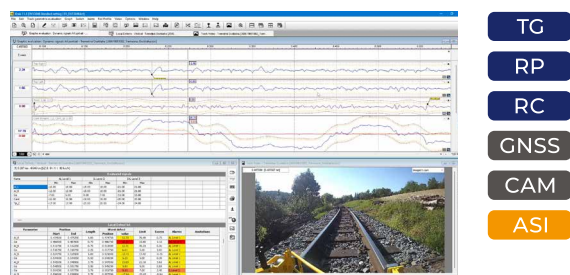
TG	Track Geometry	Contact · Contactless · Inertial Units
RP	Rail Profile	All Rail Types · Third Rail Detection Option
RC	Rail Corrugation	Rail Surface Periodic Irregularity Measurement · D1–D5
LiDAR	Structural Clearance	Point Cloud Measurement
DISTO	DISTO	DISTO-Based Distance Measurement
GNSS	GNSS	Precise Positioning
CAM	Track Imaging	Synchronized Track Images · 360° Option
ASI	Turnout Inspection	Fully Automated Inspection

SOFTWARE SOLUTIONS



KrabDroid

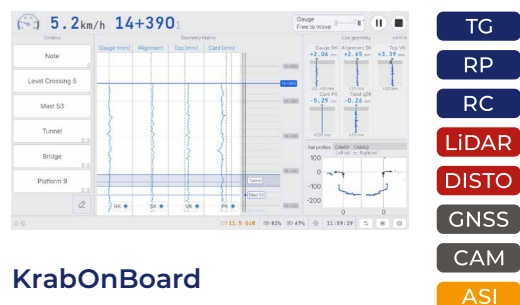
Mobile Measurement & Data Acquisition



Krab 12 | Gekon 12

Data Evaluation & Reporting

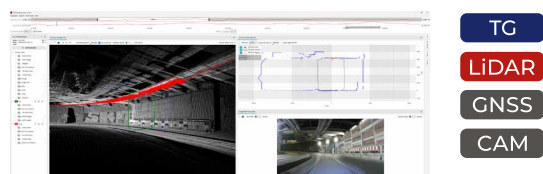
- Configurable Calculation methods, Limits & Templates
- Graphical Analysis & Defect Detection
- Fully Automated Switch Inspection
- Quality, Rail Wear & Grinding Evaluation



KrabOnBoard

Advanced Measurement & Data Acquisition

- On-Board Option
- Integration with Existing Systems
- Windows & Linux



LPSEvaluationSuite

Data Evaluation & Reporting

- Kinematic Structural Clearance Analysis
- Overhead Line Equipment
- Platform Assessment
- Point Cloud Visualization

OUR CARRIER PLATFORMS

DESIGNED FOR DIFFERENT MEASUREMENT APPLICATIONS

KRAB FAMILY

TG RP RC LiDAR DISTO GNSS CAM ASI

Hand Pushed or Towed



KRAB HEAVY

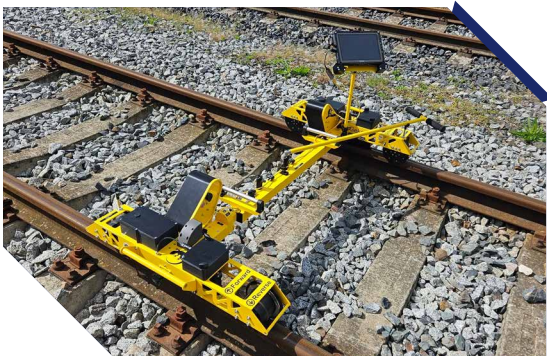


KRAB S-LIGHT

GEKON FAMILY

Hand Pushed

RP RC GNSS CAM



GEKON

T-TROLLEY FAMILY

Hand Pushed

TG RP DISTO GNSS CAM



T-METIX

Towed · All Technologies
for Urban Tram Networks

TG RP RC LiDAR
DISTO GNSS CAM ASI



TURTLE

Hand Pushed for Urban
Tram Networks

RP GNSS
CAM ASI



VIPER

Railway Wheel
Diameter Measurement

Bluetooth Enabled



SPIDER

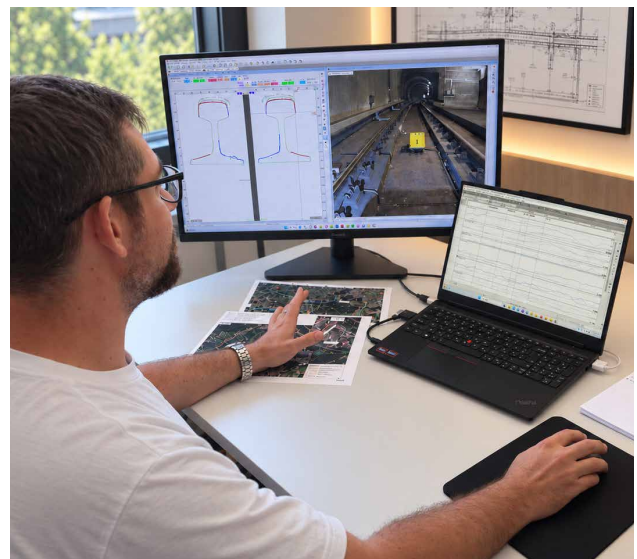
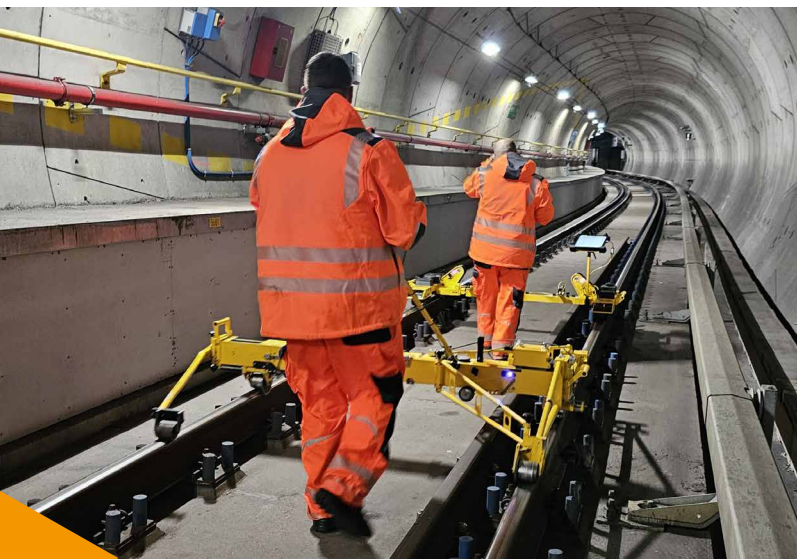
INSPECTION

RAILWAY INFRASTRUCTURE INSPECTION



OUR SERVICES

- TRACK INSPECTION & CONDITION ASSESSMENT
- CORRUGATION & RAIL WEAR MEASUREMENT
- STRUCTURAL CLEARANCE ASSESSMENT
- TURNOUT INSPECTION
- ASSET DOCUMENTATION & CONDITION ASSESSMENT



GEOMETRY & TRACK INSPECTION

Measurement and assessment of track geometry as a basis for evaluating track condition.

STRUCTURAL CLEARANCE ASSESSMENT

Identification of restricted and critical areas along the route to ensure safe vehicle operation.

TURNOUT INSPECTION

Condition assessment of turnout systems to ensure safe and reliable railway operation.

RAIL WEAR & CORRUGATION MEASUREMENT

Analysis of rail wear, corrugation and other signs of deterioration to support early maintenance planning.

ADDITIONAL INSPECTION SERVICES

- OVERHEAD CONTACT WIRE MEASUREMENT
- TRACK CENTRELINE DETERMINATION
- PLATFORM INSPECTION
- FUNICULAR RAILWAY INSPECTION

PLANNING

RAILWAY INFRASTRUCTURE PLANNING & DESIGN

OUR SERVICES

- ENGINEERING & TRACK DESIGN
- MODERNIZATION PROJECTS
- DESIGN REVIEW & QUALITY CONTROL
- EXPERT REPORTS
- TENDERING & BID EVALUATION



MODERNIZATION PROJECTS

Planning and project support for the construction, expansion and modernization of railway infrastructure.

EXPERT REPORTS

Professional assessments supporting investment decisions, rehabilitation concepts and long-term infrastructure strategies.

DESIGN REVIEW & QUALITY CONTROL

Independent review of existing designs and verification of technical quality throughout project implementation.

TENDERING & BID EVALUATION

Support for procurement and tendering processes, including the technical evaluation of submitted bids.



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