RAIL MEASURING TECHNOLOGY
WHEN ACCURATE MEASUREMENTS MATTER

GPR

GPR Ground Penetrating Radar
Inspection technology for the inspection of
railway track beds and substructures

Product description:
GPR or Georadar technology is used for the inspection of ballast beds and subsoil. The GPR data provides information on various relevant geotechnical parameters such as ballast bed depth and profile, degree of moisture, ballast bed fouling and the boundaries between the various layers of a track bed.

Applications:
• Continuous mapping of ballast bed thickness and profile
• Determination of track bed quality
• Mapping of mud pumping inside track bed and structure (wet beds)
• Mapping of section with drainage problems
• Differentiation between clean and fouled ballast
• Track renewal recommendations
• Data driven asset management

Main characteristics:
• Measurements that are highly accurate and repeatable
• Relatively simple installation and setup
• Non-Contact measurement system using georadar technology
• Suitable for any track gauge
• User-friendly software for acquisition and review of measurement data
• Operation through notebook or tablet-pc
• Robust yet light weight design
• Extensive product support

TECHNOLOGY FROM THE LEADERS IN RAIL MEASUREMENT SYSTEMS