

RET INFRA INSIGHT

RAPID IDENTIFICATION OF RELATIONSHIPS WITHIN SWITCHES, TRACKS AND SUBSTRUCTURES

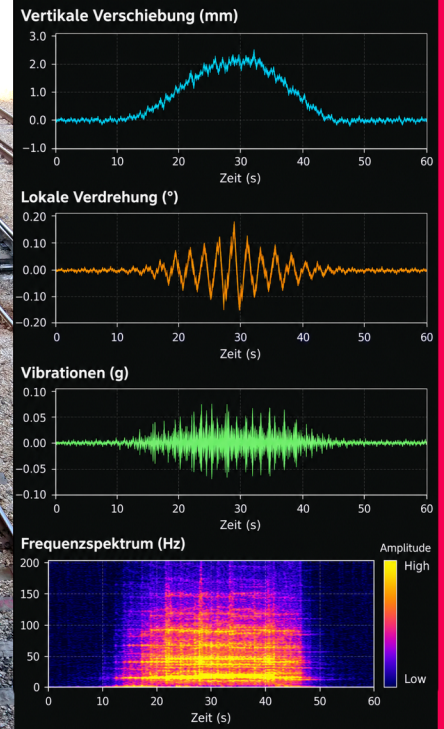
With RET (Rail Efficiency Toolkit) operators gain an objective overview of the mechanical behaviour of switches, track structures and substructures under load after only a few days of operation. Mobile measurement systems are temporarily installed on the infrastructure and collect the required measurement data during regular operations. The data is intelligently consolidated into a transparent analysis that reveals critical sections and previously hidden relationships.

IDENTIFY WHAT MATTERS

-  Need for tamping
-  Settlement and substructure movement
-  Vibrations
-  Rail and sleeper torsion
-  Displacement during train passages
-  Differences in stiffness
-  Geometry anomalies
-  Environmental and load-related influences



TRAIN PASSAGE ANALYSIS


1

MEASURE



The measurement system records and transmits relevant raw data during operation

2

EVALUATE



Data is processed directly, and anomalies are detected automatically

3

IDENTIFY HOTSPOTS



Together with you, we analyse the data and relationships within the infrastructure

4

VALIDATE MEASURES



You can test and compare different measures very quickly

HOW DOES THAT WORK?

1. Register with Parametric for Infra Insight at sales@parametric.ch
2. Arrange a suitable date
3. Receive the measurement kit and access to the cloud environment
4. Install the measurement equipment on the infrastructure
5. Carry out measurements for the agreed period, including monitoring of the measurement equipment by Parametric
6. Meet with Parametric to discuss hotspots, relationships and possible actions
7. Receive the report and data export

WHAT DO WE DELIVER?



Parametric measurement node for autonomous data acquisition and easy installation



Analysis tool access
Cloud based evaluation and localisation of hotspots, as well as detailed analysis of raw data



Assistance with setup, joint detailed analysis and a discussion of possible measures after the measurement campaign

HOW IS THE OFFER STRUCTURED?

Transparent, attractive all-inclusive price for a standard measurement campaign



RET-INFINSIGHT-S

→ One week of measurements



RET-INFINSIGHT-L

→ One month of measurements



Contact us to get more information:
sales@parametric.ch