CROSSING AREA MONITORING

Digital Performance on Track®

Our Crossing Area Monitoring Module diagnoses wear state and predicts remaining service life for critical crossing components like the frog, wing rails and guard rails. With high dynamic impact and creep forces, mechanical parts degrade continuously in this area. Our tailored monitoring solution empowers condition-based and prescriptive maintenance strategies by estimating asset health, forecasting remaining service life and suggesting corrective actions well in advance in order to prevent traffic disruptions. Furthermore, this versatile module assesses the quality of passing wheels and detects worn or hollow wheels that can increase dynamic loads and consequently contribute to faster degradation.

» Empowers predictive and prescriptive maintenance

» Minimizes and shortens downtimes for superior overall performance

» Extends the lifespan of assets and components

» Decreases maintenance expenditures

» Increases availability and profitability

Wheel Quality Assessment:

Assess passing wheels for worn or hollow wear thus reducing negative impacts of dynamic loads and subsequent degradation.

Component Life Prognosis:

Diagnose wear, predict remaining service life for critical crossing components (e.g. frog, wing rails, guard rails).

Tailored Maintenance Strategies:

Targeted monitoring enables condition-based maintenance, enhancing component longevity and overall system reliability.

Prevent Traffic Disruptions:

Early detection and timely prescriptive measures prevent component failure, thus minimizing traffic disruptions.