



VEGETATION AND GROUND DEFORMATION RISKS

Monitor your Rail Network from Space

LiveEO generates risk analytics from satellite data and translates them into actionable insights for our customers. The end-to-end solution helps railway network operators to mitigate risks from vegetation, ground deformation and empowers rapid post disaster response.

Vegetation Management

Get an Instant Overview

Detect vegetation along the **entire Network**. Our Solution provides you with automated insights about the **location of vegetation** and its proximity to your asset.

Monitor Tree Condition

Our Algorithms determine tree's **species**, as well as their **height** and **health**, even incorporating historical Data into the analysis.

This empowers you to identify **danger trees** and mitigate **risks from fall-ins** before they happen.

Increase Process Efficiency

Effectively **allocate resources** to **relevant segments** and optimize budgeting. Ground workers **document and track work** using LiveEO's mobile app.



Ground Deformation Alerts

Ground displacement, which leads to increased tension in the rails and derailments, represents a largely invisible danger.

Using **Radar Technology**, Satellites can detect **ground movements** with an **accuracy of millimeters** and an update frequency of **several days**.

The software includes historical data into the analysis to **identify trends**.

Receive **automatic alerts** about acute movements along your asset. Use our **trained models** and easily **set your own limits**.



Post Disaster Assessment

Our **Change Detection Algorithms** empower you to quickly assess where damage has occurred to your asset **following storms** - only **hours after the event!**



Improve Reliability

Condition-based allocation of resources



Increase Efficiency

Work planning and reporting tools



Lower OPEX

Reduced costs of identification, planning, execution and reporting



Ensure Safety

Automated risk assessment and task prioritization

Get in touch for a free demo!

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"The LiveEO technology gives us a better overview of the vegetation along our tracks. It allows us to address the consequences of climate change even better."



Ronald Pofalla
Head of Infrastructure