Detect chassis wear before it stops your production.

Wear and tear on OHT systems is difficult to detect during normal operation. Problems with the under-carriage or drive system, or mechanical instability, can unexpectedly shut down your operations. Our AI monitors your system around the clock and prevents sudden failures.

Hidden Risks in OHT Operations

Problems that develop unnoticed can bring operations to a standstill at a critical moment. Unnoticed mechanical wear develops gradually, until minor deviations turn into critical failures with high associated costs.

Chassis wear

Bearings and rollers are constantly subjected to heavy loads. If wear goes undetected, it can lead to unplanned downtime and rising maintenance costs.

Drive damage

Transmissions and drive components are the heart of every OHT vehicle. Even minor defects can impair power transmission and, in the worst case, bring the material flow to a standstill.

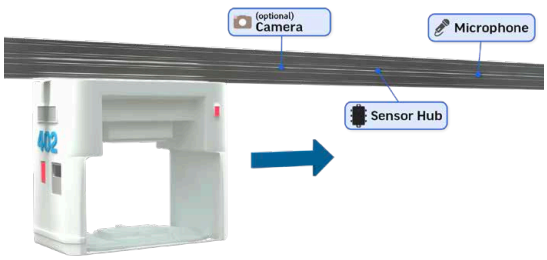
Mechanical instability

Misalignment or wheel damage compromises tracking stability and increases the load on adjacent components. This leads to secondary damage, increased maintenance costs, and production risks.

Our Solution

We listen to, monitor, and understand your OHT system.

We collect and combine extensive operational and condition data to provide comprehensive condition monitoring, and we integrate our maintenance solution into your system on a customized basis.

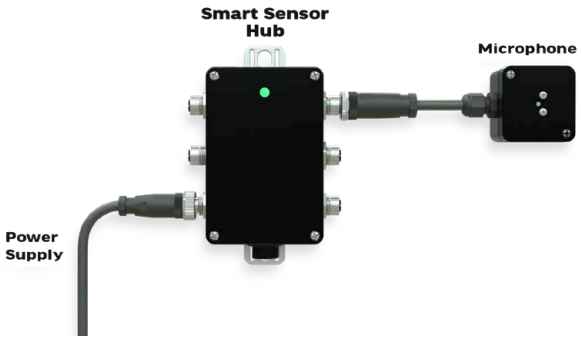


Possible sensors

- **Acoustics / Noise Level**
- **Camera for object identification**

Detectable damage

Bearing damage, imbalance, gear failure, roller damage, track irregularities, loosening, resonance, overload, cooling failure, insufficient lubrication, brake wear, misuse, blockages, friction, energy loss, improper loading, asymmetrical load distribution, structural overload



From reaction to a competitive edge

When you know the condition of your OHT vehicles at all times, you eliminate uncertainty in your day-to-day operations. Predictive maintenance gives you control, reduces unplanned downtime, and ensures stable, reliable operation.

Addressing suspension wear early on

Wear on bearings and rollers is detected before it leads to further damage or vehicle downtime. This allows affected vehicles to be taken out of service in a targeted manner and damage to be repaired before additional repairs or extended downtime occur.

Protect against drive system damage early on

Critical changes in the drive and transmission system are identified early on. This allows you to plan maintenance and avoid costly downtime before they lead to expensive repairs during operation.

A steady performance with no surprises

Mechanical irregularities in the chassis are detected before they affect directional stability or adjacent components. This keeps the system stable and significantly reduces the need for unscheduled maintenance, even under demanding operating conditions.

Find the right solution with our workshop

Getting started with predictive maintenance often raises many questions. What should be monitored, which technologies make sense, and is it even worth the effort? **Our workshop** will help you answer these very questions and find a clear direction for your project.

Machine & Plant Workshop

Let's work together to design the best predictive maintenance solution for you.

coderitter.io **info@coderitter.io**