

Sempertrans Conveyor Belt Rip Detection

PRODUCT SHEET

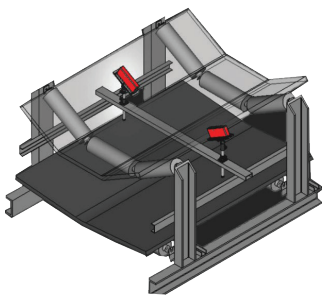


Protecting your critical conveyor infrastructure with advanced rip detection technology.

Sempertrans provides cutting-edge technologies for monitoring conveyor belts to ensure operational safety and efficiency. Our solutions for Rip Detection help prevent costly downtime and protect your critical infrastructure.

RIP DETECTION SYSTEMS

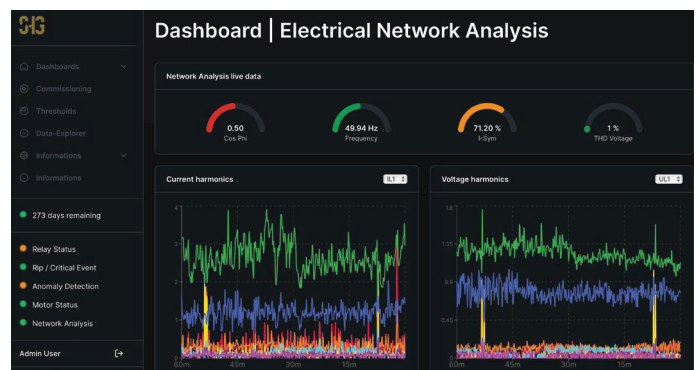
Transmitter/Receiver-Based Rip Detection



- **Technology:** Sensor loops/Coil inlays embedded in the belt transmit signals to paired receivers.
- **How It Works:** Detects belt rips instantly through loop signal interruptions.
- **Key Benefits:**
 - o Real-time monitoring and automated system alerts.
 - o Rugged, weatherproof design suitable for harsh environments.
 - o Customizable loop spacing based on operational requirements.

Source : //coal-control.de

AI-Driven Rip Detection



- **Technology:** Advanced data analysis using artificial intelligence.
- **How It Works:** Continuously evaluates operational data to predict and detect rips without requiring embedded components.
- **Key Benefits:**
 - o Completely non-intrusive—no hardware installed on the belt.
 - o Adaptive to diverse conveyor systems and operational conditions.
 - o Provides predictive maintenance insights.

TAILORED CONSULTATION SERVICES

- **Expert Guidance:** select the optimal detection system for your specific application.
- **Continuous Support:** Comprehensive system management and assistance around the clock.
- **Flexibility:** Freedom to choose the system configuration that best suits your operational needs.

KEY FEATURES ACROSS ALL SYSTEMS

- **Real-Time Alerts:** Automated notifications for detected issues.
- **Flexible Integration:** Compatible with SCADA systems and remote access platforms.
- **Rugged Design:** Weatherproof and durable components tailored for extreme conditions.
- **Customizable Configurations:** Adaptable to various belt types, lengths, and operational environments.



We help you avoid rips
and increase efficiency

OUR PARTNERS

We collaborate with leading innovators to bring you the best technologies. Some of our trusted partners include:



Coal Control



WHY PARTNER WITH SEMPERTRANS?



Global Expertise: Decades of experience in conveyor belt technology.



Innovative Solutions: Pioneering advancements in condition monitoring.



Customer-Centric: Tailored systems designed to meet your specific needs.



Freedom to Choose: Select the system that best fits your needs.

Contact us today

to learn more about how our advanced monitoring solutions can safeguard your operations and reduce unplanned downtime.