

Condition Monitoring

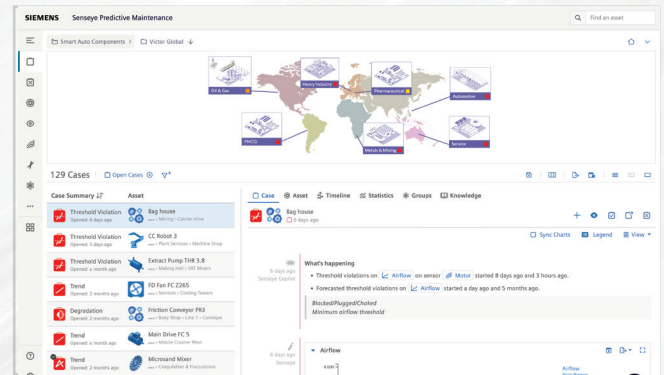
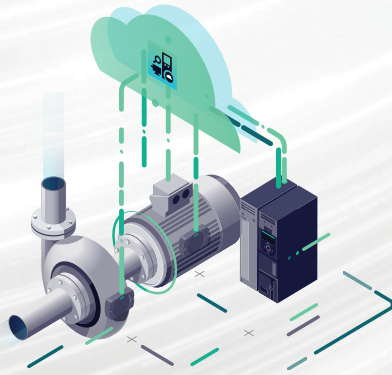
The right tool for systematic condition monitoring

Monitoring your drivetrain's condition enables scheduling the ideal time for maintenance, reducing costs and increasing availability



Key Benefits:

- The need for replacement parts can be reduced by up to 40%, cutting material waste and lowering carbon impact
- Energy consumption is reduced through smoother, more efficient machine operation
- Engineering expertise, as well as other workforce efficiency can be used more effectively, while keeping production running smoothly
- Stay competitive in a rapidly evolving industrial landscape



Drivetrain Analyzer Cloud

What it is

Cloud SaaS that performs drivetrain-specific analysis (FFT, order analysis, bearing/gear signature detection), diagnoses failure modes and recommends maintenance actions.

Why it Matters

Translates complex vibration and torque data into clear, prioritized insights that maintenance teams can act on.

KEY FEATURES

Drivetrain-Focused Sensing & Health Models

- Vibration, temperature, speed, load, duty cycle
- Bearing wear, imbalance, misalignment detection
- Motor/drive condition indicators

Energy & Load Profile Analytics

- Load spectrum tracking
- Efficiency mapping
- CO₂ / kWh per asset
- Oversizing detection

Fleet Views for Motors & Drives

- Hundreds or thousands of similar motors compared
- Asset benchmarking
- Alert thresholds and trends

USE CASES

- Process industries with continuous motion
- Bulk material handling & conveying
- Production lines with heavy drives

Senseye Cloud Application

What it is

A cloud SaaS that uses machine learning to monitor equipment health, detect anomalies and predict failures across fleets of assets.

Why it Matters

Detects problems earlier and prioritizes interventions so you reduce unplanned downtime and lower maintenance costs.

KEY FEATURES

Multi-Asset / Multi-Physics Modeling

- Supports vibration, temperature, pressure, current and flow
- Does not require Siemens-only hardware

Discrete + Process Line Coverage

- Works on intermittent motion, start-stop cycles and batch processes
- Robots, CNCs, presses, packaging cells

Maintenance-Centric Views

- Asset criticality ranking
- Plant dashboards
- Site-to-site comparisons

USE CASES

- Discrete manufacturing & robotics cells
- Utilities & infrastructure
- Mixed-asset process plants

QUESTIONS? CONTACT US TODAY
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