

# Condition Monitoring

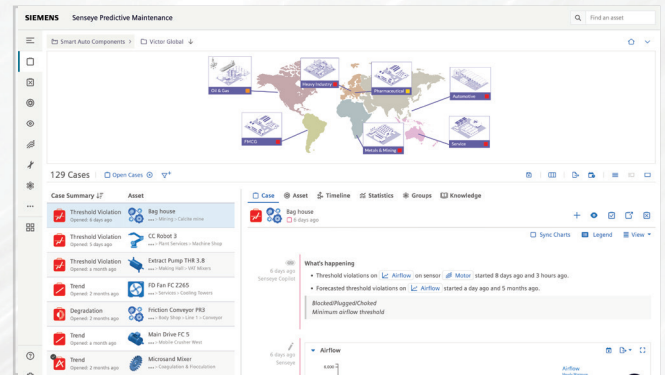
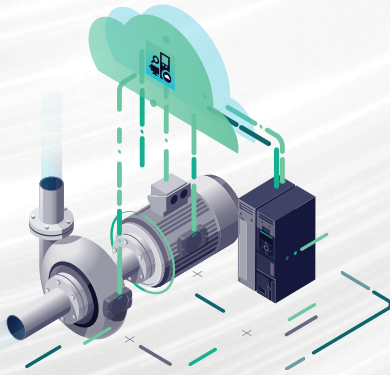
The right tool for systematic condition monitoring

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
- CO<sub>2</sub> / 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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