What's Different About SiteWatch 360 From Other Monitoring Systems?

SiteWatch 360 is the leading solution for continuously monitoring <u>any type of engineering data</u> in a factory or commercial building, simply, easily and inexpensively. The data we capture provides a clear view into machine operations through our comprehensive suite of intelligent analytical services.

"You can't save energy if you don't know how, when and where you're wasting it."

SiteWatch 360 — Energy Savings, Greater Machine Reliability, Real-Time Monitoring

- **Energy savings** by identifying and eliminating waste — electricity, natural gas, steam, air and water. If you don't know where you're wasting energy, you can't save it.

- **Real-time monitoring** of <u>any</u> type of engineering data — e.g., power, water, gas, air, temperature, humidity, pressure, vibration — see chart below.

- **Greater machine reliability** and less downtime through better predictive maintenance based on accurate machine-loading data over time.

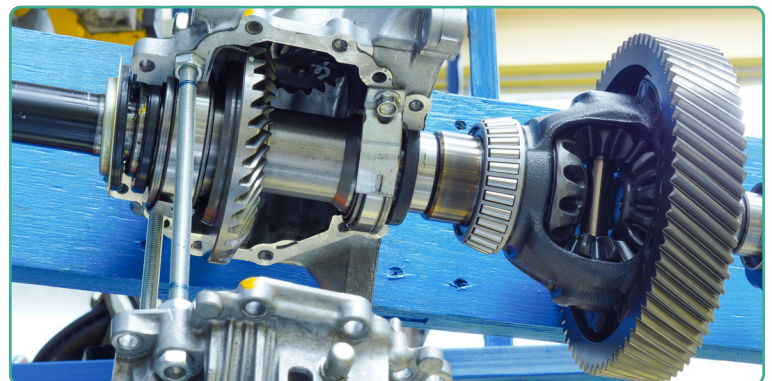## Can We Track the Health and Reliability of All Our Machines?

SiteWatch 360 provides plant engineers with real-time and historical loading data for optimizing maintenance intervals, since loading = wear-and-tear. This is measured by temperature, vibration, running hours, load per running hour, average load, # of cycles/hour and # of stops & starts/shift or /day.

What Energy Savings Can We Expect From SW360?

SiteWatch 360 identifies wasted energy from excessive machine run-time, non-optimized machine settings and mechanical or electrical inefficiencies, as well as unnecessary peak energy demand. Users can typically save about 15% of their usual consumption.
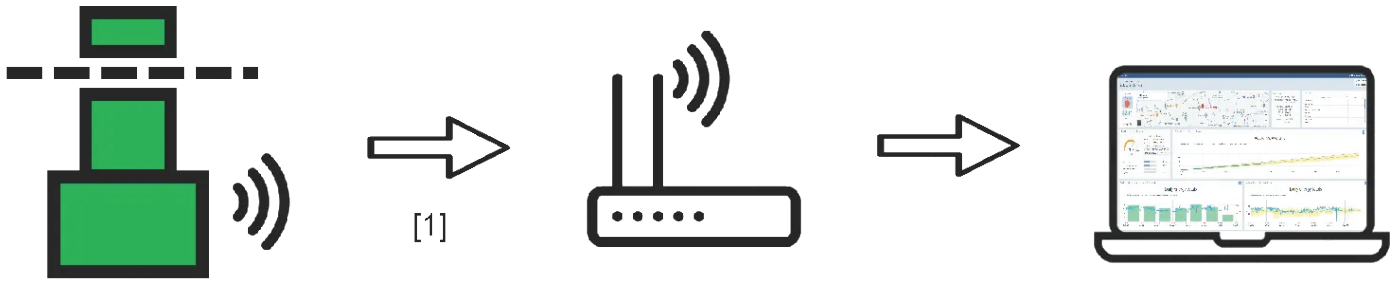
Can We Monitor <u>Any</u> Kind of Data?

Yes, manufacturers need to monitor multiple variables in real time, so **SiteWatch 360** was created to capture and transmit any engineering variable from one machine or many, which can be used to understand and improve plant operations.

What Does SiteWatch 360 Provide?

SW360 collects almost **any type of engineering data** and transmits it from your sensors to the gateway to your dashboard, where it can be viewed for comparing the current period with an hour, day, week, month, or a year ago.

[1]

SENSORS
Wireless, self-powered CTs clamp to machine or panel wires

LoRaWAN GATEWAY
Receives signal from sensors, links to cloud server through Wi-Fi, ethernet, or cellular connection

DASHBOARD
Collect and organize data, download in .csv format

It analyzes the data in detail and makes it understandable for users in the form of **graphs, charts, tables, reports and alerts.**

Can SiteWatch 360 Reduce Downtime?

Yes, you can improve machine health with predictive maintenance based on real workload data.

How Long Does It Take To Install?

- **Self-powered sensors** — snap-on to 50+ machines in a single day. Fully up-and-running system in 2 days.
- **Hands-on installation** assistance and software training available.
- **Open platform** imports from, and exports to, most other BMS/SCADA systems.

Can We Get a Warning Before a Machine Fails?

- **Yes, SW360 can detect** when a machine is stressed and beginning to fail.
- **Multi-variable alerting** assists with machine-failure-warning and avoiding downtime.
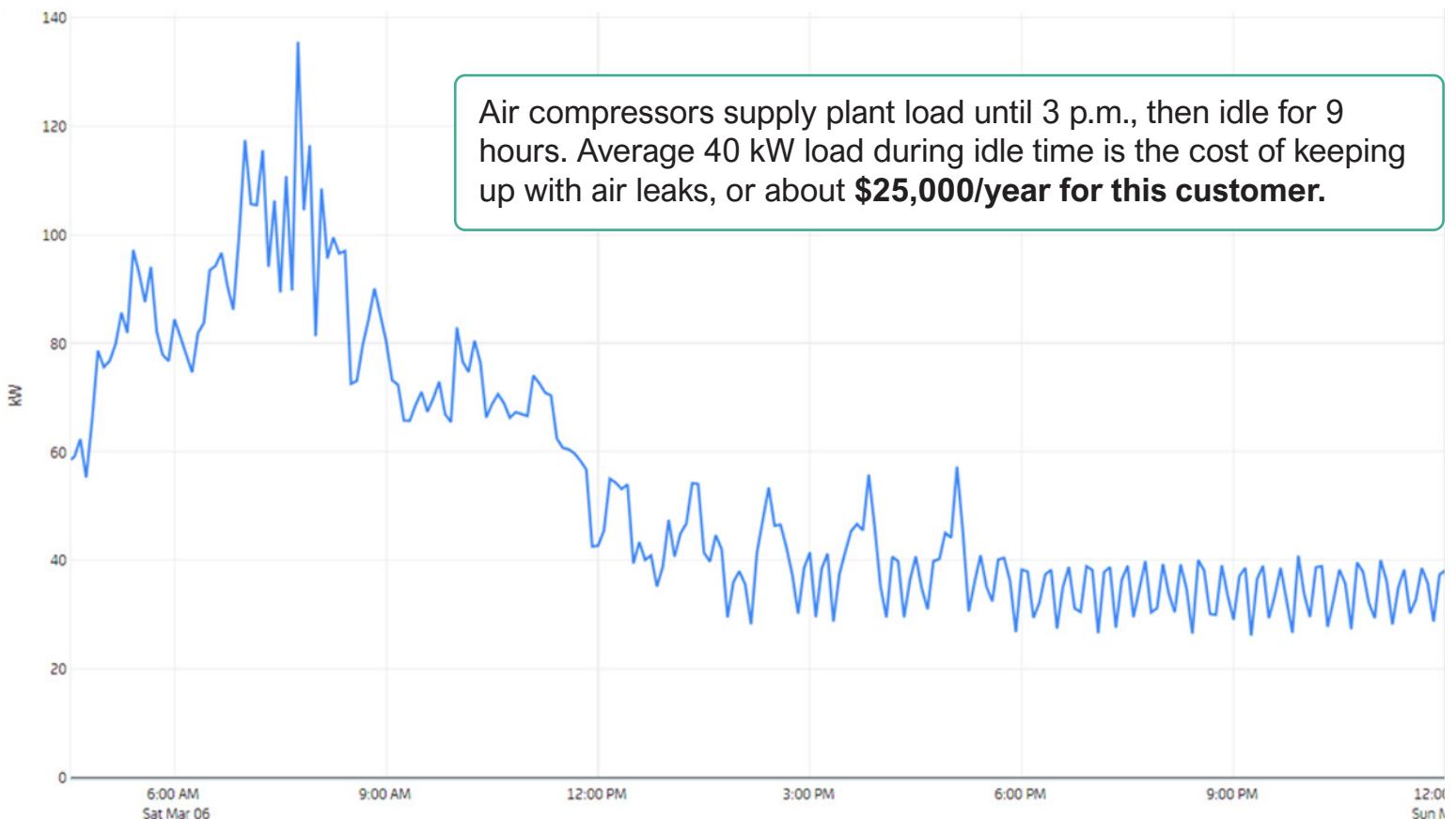
Meeting Compliance Requirements

- **Environmental compliance** — ESG, ISO and carbon footprint reporting.
- **Sophisticated analytical software** with custom reports and dashboards.
- **Helps meet local law requirements** for measuring energy-use in commercial buildings >50,000 sq. ft. in 30 US cities.

SiteWatch 360's broad monitoring capabilities help identify wasted resources or inefficient machine performance. Our low installed cost ensures a rapid payback, typically about 12 months.

What Variables Can We Monitor? Here Are Some Examples…

Electricity	Natural Gas	Water Flow	Steam
Temperature	Refrigeration Temperature	CO_2	Emissions
Humidity	Thermocouples	Pulse Counters	Air Quality
Open-Closed (Doors)	Acceleration	Pressure	Air Velocity
Motion/Occupancy	Vibration	Button Press	Differential Pressure
Food Probes	Vehicle Detection	Soil Moisture	Liquid Levels
PLCs 0-20mA	Fire & Smoke	Distance/Level	Fluid Leaks
Sound	Desk Occupancy	Visible Light	Liquid Density
Object Tracking	VOCs	Infrared Light	Tilt

What's an Example of How Wasted Energy Can Be Identified and Valued?

Air compressors supply plant load until 3 p.m., then idle for 9 hours. Average 40 kW load during idle time is the cost of keeping up with air leaks, or about **$25,000/year for this customer.**

Where Are SiteWatch's Hardware and Software Made?

SW360's end-to-end monitoring hardware and analytical platform is manufactured primarily in the USA and can be **readily customized to the users' specific needs** by our US-based developers. It includes connectivity through Wi-Fi or cellular connections to the cloud and a customizable easy-to-use platform for analyzing data and presentation to users.