

Why You Should Monitor Your Machines

Modernize

- Cloud or On Premise
- Month-to-Month
- Powerful, Flexible, and Scalable
- Mobile Access
- Text and Email Notifications
- Automatic Emailed Reports
- Dashboards, more Dashboards

Change the Culture

- Manage by Fact
- Empower Operators
- Communicate
- Be Proactive Rather than Reactive
- Let the Data Work for You
- Take your Business to the Next Level
- This is the new normal



The Purpose of Machine Monitoring

Managing by fact, decreasing downtime, improving utilization and capturing hidden bottle necks are common goals when implementing a machine monitoring system. However, many find it challenging to maintain these types of gains and improvements. If approached and implemented properly, these are examples of the types of side effects of a modern monitoring system rather than the goals. The ultimate goal is to have a communication system and to change the culture. The shop floor equipment will communicate automatically over Ethernet, operators see this and communicate with PCs and tablets, while dashboards communicate data, statuses, and messages, all allowing management and leadership to proactively adjust and communicate back to shop floor personnel.

Industry 4.0

Industrial Internet of Things

OEE



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About Scytec

- Established in 2001
- Headquartered in Denver, CO
- Machine Monitoring is all we do

About DataXchange

- Product released in 2012
- Built from scratch
- Designed for Cloud and On-Premise
- Start with a few machines, a few plants, scale to a few countries

Data

- Utilization
- Feed Rate, Rapid, and Spindle Overrides
- Alarms Activity
- Time Spent in M0 and M1
- Downtime Reasons
- Part Numbers and Part Counts

Connectivity

- MTConnect
- Fanuc FOCAS
- OPC UA
- Tablets and PCs
- Hardware

A New Way to Communicate

Dashboards, Operator Interfaces, Notifications

Scytec DataXchange isn't a traditional machine monitoring system, it's a modern communication system. Data is collected from equipment and shop floor personnel. However, the real difference is a system that can notify based on patterns and displays data in the dashboards that can be immediately acted upon by the appropriate personnel.

Machines, Operators, Management, Leadership

Problems can't be prevented or solved if they are not known. As we all know, communication is the foundation for change and improvement. A huge key to long term success is involving all stakeholders and incorporating data into day-to-day routines as part of what is normally done, rather than some in addition to what you already do.

Eliminating Barriers

Monthly, Annually, Biannually, or On-Premise

With On Premise and Cloud deployment options along with monthly, annual, or biannual Cloud service contracts, Scytec has options for every business scenario.

MTConnect, Fanuc FOCAS, OPC UA, Tablets, Hardware

Scytec has connectivity covered with both wired and wireless options ranging from the latest CNC controls, PLCs, as well as old legacy machines. Data can be collected from any type of machine or process.

Bronze, Silver, Gold, and Platinum License Levels

A huge key to success when working with any type of data is to start simple and grow with the data. Start with a small subset, understand the data, use the data to improve, then acquire additional data. This concept is built into the licensing model of DataXchange with the flexible licensing.

Designed to Work With

