Data X change

See a 10% Gain in Productivity Almost Immediately!

OEE Machine Monitoring

Utilization and Downtime Tracking

Modernize

- Cloud or On Premise
- Month-to-Month
- Powerful, Flexible, and Scalable
- Mobile Access
- Text and Email Notifications

Change the Culture

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

The ROI of Machine Monitoring

Saving one hour of downtime per month per machine will pay for the DataXchange monthly fee. With this type of return, payback typically comes within the first few days of the month, and this is simply based on downtime savings. Savings from improved quality, customer satisfaction, lower tooling costs, among other benefits, are all in addition to the savings from reducing downtime. Visit https://scytec.com for a full pricing and ROI calculator and for more details.

No Large Upfront Costs or Long Term Contracts

DataXchange provides powerful yet flexible equipment monitoring with a low setup fee and low monthly payments using the Cloud implementation. No long term commitments are required, and no minimum size order. DataXchange can be installed on premise as well. Visit https://scytec.com for a full pricing and ROI calculator and for more details.

Industry 4.0   **Industrial Internet of Things**   **OEE**

SFA Shop Floor Automations
MANUFACTURING INTEGRATORS

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Real Time Dashboard

- Real Time Shop Floor Data
- Automatically Updates
- Extremely Configurable
- Unlimited Users
- Automatic Rotation Through Screens
- View Data from External Systems

Powerful Collection Rules

- Define Your Own Collection Rules
- Trigger Email and Text Notifications
- Display Messages on the Dashboard
- Integrate with External Systems
- Let the System Grow with You

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

Using the Data

Dashboards, Reporting and Charting

The dashboard can be configured to present the data many different ways. Display shop floor layouts, Microsoft Office 365 documents and web cams, all side-by-side with production data. An unlimited number of screens can be defined, which can be configured to rotate, filtered by certain equipment, or by certain statuses making the Real Time Viewer a powerful visual management tool.

Email and Text Notifications

Let the data work for you. Receive notifications if the machine is running in low feed rate override for more than 5 minutes, or if the machine is sitting idle for more than 15 minutes during an active shift. The notifications are configurable and unlimited providing a powerful tool to proactively address issues before they become a real problem.

Collecting Data

MTConnect, Fanuc FOCAS and OPC UA

Scytec DataXchange supports Ethernet based protocols such as Fanuc FOCAS, OPC UA and MTConnect providing multiple data collection options reducing or eliminating hardware needed for collecting data. Collect over Ethernet from a wide range of CNC, PLCs and much more.

iPads, Android, Windows Tablets, and Hardware

Older and manual machines can use cost effective hardware to collect from voltage and current signals while tablets or PCs can be used for entry of downtime reasons as well as recording other shop floor data.

Track Utilization, Part Numbers, Part Counts, and Alarms

View machine utilization against targets, part numbers and part counts against ideal times, along with reports and charts for alarm occurrences and durations. View everything from basic utilization to full OEE.

Designed to Work With **MTConnect**