# Signal.X
TECHNOLOGIES LLC

We are a nimble organization with years of experience deploying software products and engineering services in the most demanding production and laboratory environments.

Project Spotlight: Production Manufacturing Information System

Objectives:

Create a custom plant-wide information collection and reporting system for a high volume assembly line. Display information for operators, supervisors, maintenance and management on the plant floor and provide plant personnel with trending and database tools.
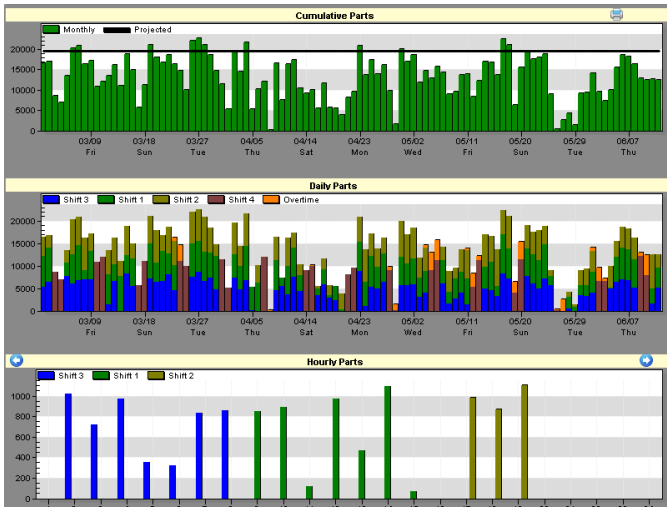

Key production metrics.

Solution Benefits:

- Commonization of data flow from old and new systems into a structured database
- Access of existing PLC station without modifying control logic
- Operator visibility into real-time performance
- Management visibility into production line health in real time
- Quality visibility into production trends
- More efficient management of production metrics

To learn more about this and other Signal.X projects, please visit signalxtech.com/about/portfolio/

Data Collector

For this custom application, Signal.X engineers access PLCs and other automation data sources to record and display product information. Statistics on machine faults, test failures, machine uptime, OEE, and quality are both displayed on a dashboard and logged to a database.
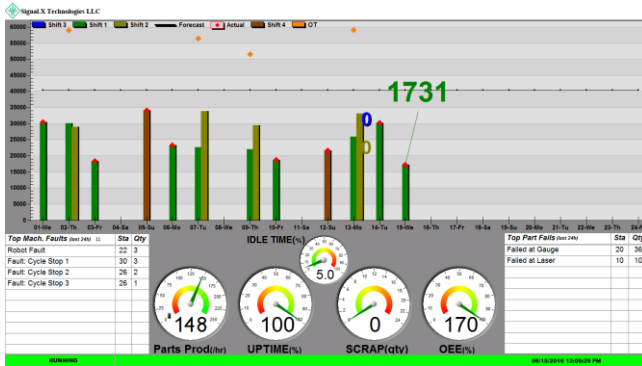
Live Display

Signal.X software developers created a desktop host application to display live information from the individual collectors in a plant overview. With this, plant process engineers and managers have at their fingertips each machine's key production metrics and fault status.

Trending

The implementation of Signal.X technology has resulted in more efficient management of this manufacturing plant's production metrics. Historical information from the collector is trended, digested, and reported to management teams. Process metrics such as parts produced, faults, fails, etc., can be sorted and filtered according to station, product, date, and shift. This allows for both comprehensive and detailed analysis of production by the management team.

This project showcases our ability to realize a vision to fit one customer's circumstance. Let us help you realize yours.

About Signal.X:

Since 2004, Signal.X has specialized in Test & Measurement Products for noise & vibration (NVH), production and laboratory test automation, functional test design, large data management, and custom application development.