Centralized Plant Data solution for a Pharmaceutical Giant

Company: A US $ 1500 + M Pharmaceutical Giant.

- **Products:** Integrated, research based, international pharmaceutical company, producing a wide range of quality, affordable generic medicines
- **Global Footprint** in 46 countries. World-class manufacturing facilities in 7 countries and serves customers in over 125 countries.

Key Challenges:

- Integrate data from the different make of PLC's, few having no Ethernet ports thus posing challenges for network communication.
- Integrate Data from the disparate systems to support fast decision making at production, Quality and Plant Maintenance.

Solution:

- Data Acquisition System using iFIX and Historian

Implementation Highlights:

- Implemented in 6 weeks
- Completed within Budget

Project Objectives & Goals:

- Single data repository for entire plant data with capability to store large amount of data for a long period, with powerful retrieval and analysis.
- Scalable Solution for future data analysis, process modeling, with flexibility to build own analysis tool / connect std. tools.
- Real-time process integration for time optimized, structured visualization of production data
- Lean Manufacturing
- Scalability to build EBPR solution with tight & SAP certified Integration

Customer Benefits:

- Single Version of Truth available in One Window
- Real time, On Demand reporting available
- Reduced Inspection time & Frequency, reducing waste and enhancing productivity .With success of this project,
- **Customer awarded us with additional DAS solution implementation at its multiple plants at multiple sites.**

Customer is India's Leading Pharmaceutical Giant having presence across the Globe having several patents. They have 14,000 strong multicultural workforce and world-class manufacturing facilities having best in class Process Control Systems

"Single Version of Truth" *in* ***"One Window"*** *– Bringing the Disparate manufacturing systems together.*

At the different units of the plants including Film Coating, Rapid Mixer Grinder, Fluid Bed Dryer, Wruster Coating, Capsule filing and the Compressor N-37 station, manual data used to be collected from the PLC's. The employees used to spend a disproportionate amount of their time collecting this data which lacked analysis, key parameters based on which decisions could be taken. Additionally since human interface was involved, there were possibilities of errors at times. The 6 units of the plants included control systems from whom manual data used to be collected every day. **Our Data Acquisition Solution enabled Statistical Process Control (SPC) for the collection, monitoring and analysis of plant floor quality data** which made **Real time – On Demand** production reports easily available.

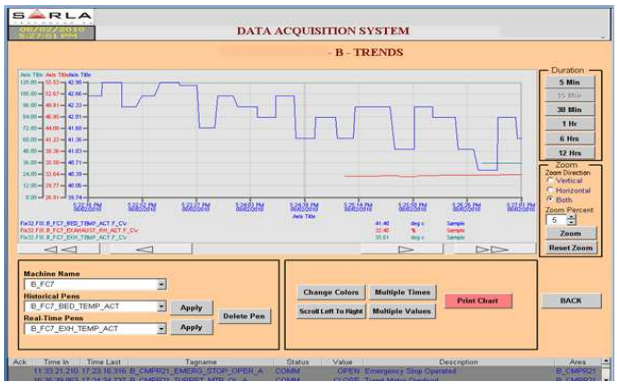
The control systems included PLC's of Mitsubishi make having Biejer HMI, Allen Bradley make having Proface model HMI. While few of the PLC's had Ethernet port enabled, few of them had no Ethernet port enabled.

The plant data from the control systems was aggregated at Plant Historian through gateway server. The business logic is built around the real time plant data and is depicted in the role based dashboards for decision support.

Company benefited from **Centralized Data Collection and Reporting from Disparate Control Systems and experienced** optimized productivity and several other benefits as a result of implementing Data Acquisition System.

Some other key benefits included:

- Time saving in collection of data from control systems
- Enhanced productivity time with the on demand availability of reports
- Reporting and decision making on the basis of actual, non-editable and secured data.
- Proactive decision making with help of real time data and reports.
- Reduction in wastage as a result of reduced decision m



Sarla Technologies

403/404, Bldg No. 2, Sector 1, Millennium Business Park, Mahape, Navi Mumbai - 400 701, Maharashtra, INDIA
Phone No. : +91 22 6785 2300, Fax No. : +91 22 2778 1059
Email : sales@sarlatech.com, Web: www.sarlatech.com