Customer Background: One of the largest **pharmaceutical corporate** in the world committed to helping people improve their health by discovering and developing medicines was looking to reduce manufacturing risk and improve operational excellence. The company wanted better visibility of the shop floor and proper material handling by the operators. It also desired ease for the operators by simplification of workflow with descriptive built-in graphical configuration. The company had a legacy software application for automation and wanted to switch to the advanced software application FactoryTalk® Pharma Suite to achieve company objectives.

Business Requirements

1. Productivity Improvement
2. Ensure proper material handling
3. Seamless integration between ERP and the shop floor
4. Customized reports

Technical Requirements

1. Descriptive and detailed labels
2. Weigh report with phase related data and new exceptions
3. Graphical and Textual Material Handling Instructions
4. Comprehensive Material Master form
5. Validation of Master Recipe

MESTECH Solution: MESTECH partnered with the manufacturer to undertake the shift to the advanced software application - FactoryTalk® Pharma Suite. A detailed assessment of the existing program was done to identify improvement areas according to different fields and an upgrade roadmap was created. Regular reviews were conducted to ensure optimal solution that met all functional specifications. The project was delivered in a very short duration of three months.

This transition to the new software included updates to the following features:

- Labels: Additional fields were created in the labels to provide minute details of the batch, making the labels user friendly and more descriptive.

- Weigh report: The weigh report was customized to include all the phase related data, as well as the new exceptions which were performed through Production Management Client.

- Material handling instruction: A new building block was added which displayed the handling instructions related to the material in pictorial & text form ensuring proper material handling.

- Material master form: Additional fields related to cleaning categories, material types, weighing and storage data were added to the material master forms.

- Validate master recipe: Validation of the Master recipe, its various states & transactions before being sent to the ERP Integration Gateway.

Benefits:

1. Provided real time data
   - Real-time data from the shop floor helped in performance analyses for different organizational levels
2. Reduced risk of errors
   - Operators were guided by pre-defined workflows and the system detected and recorded deviations, if any
3. Consistent Data delivery
   - Integration with ERP lead to consistency in data across the company
4. Simplification of workflow
   - Built-in graphical configuration tools simplified extension of workflows
5. Compliance
6. Improved Process Quality
   - Tighter control and optimization of the production processes
7. Improved efficiency
   - Maximized operator efficiency by focusing on the operator's main workflow
   - The system ensured that all tasks were completed according to the recipe
   - Reduced manual entry database
   - Lowered WIP and inventory
8. Reduced manufacturing risk, increased scalability and performance due to the state of the art J2EE infrastructure