Automation Improvement: Drum Filling System

Project Objectives:
- Improve the filling line technology to meet with the company’s customer demand
- Optimize throughput
- Minimize wastes
- Standardize Operations
- Improve ergonomics in the process
- Search and select a new filling system

Design Tasks:
- Define scope and objectives
- Project management
- Define current state of the process
- Gather information/data
- Research potential replacement technologies
- Select best technology in tandem with sponsor
- Design new floor layout with new technology
- Develop new standard for operation procedure
- Document and Present Results

Final Design:
The team recommended the single-drum filling system from Kanawha.

The reasons behind the selections are:
- Easy transition into current layout
- Short installation time
- Low electrical and piping costs
- Lower initial capital required

Cost Analysis and Results:
During the past 18 months, over $69,433 of product has been wasted due to filling inaccuracy which has now been reduced to nearly no wasted material. Savings estimate of $160,000.00.