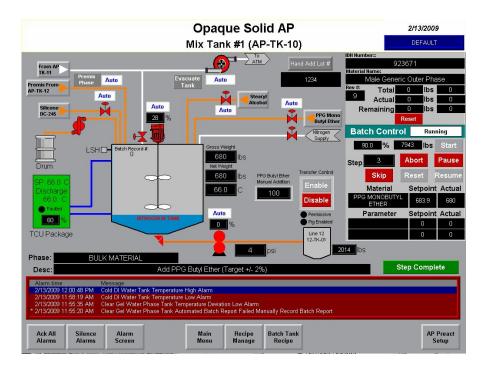


Control Masters Application Case Study

CMI Batch Control and Information System



Technologies

Rockwell ControlLogix PLC
Rockwell FactoryTalk View ME
Rockwell RSSQL
Rockwell PowerFlex 70 Drives
Microsoft SQL Server
Microsoft Access
ISA S88 Style Recipes
Batch Reports

Services Provided

Functional Specification Document
PLC Integration
Electrical Engineering
Network Design
Control Panel Design & Fabrication
Process Simulation
Startup & Commissioning
Remote VPN Support

Project Description

Antiperspirant deodorant is produced in one of eleven 1,000 gallon batch tanks. The recipes are stored in Microsoft SQL server, edited using a Microsoft Access front end application and downloaded to the PLC for storage and execution. The PLC stores the 60 most common recipes in memory for quick execution by operations during the week.

Once the recipes are stored in the PLC, the batch process is entirely controlled with the 1756-L63 ControlLogix PLC and Panelview Plus operator interface. Operators have full control of the batch being able to start, stop, pause, resume and abort the batch as well as manual operation of each of the phases.

During batching, data is logged back to the SQL server using RSSQL for batch reports and material tracking.

