



PREVIOUS CONTROLS & INTEGRATION WORK

REAL TIME SYSTEM IMPLEMENTATION ~ \$2,000,000

Replace plant performance tracking system with a GE Proficy based solution. Interface the process PLC and Operator Interface Terminals to provide real time information across client's US facilities.

- Real-time capture of production performance data
- Real-time and historical performance reporting
- Company-wide visibility to production performance data and performance reports
- Integration to shop floor equipment and system
- Link to Global initiatives

M.A.R.S. ~ \$290,000

The objective of this project was to provide Machine Automation Reporting System (MARS) PLC and RSSql programming and verification support for (4) production lines. This included Electrical Installation, Electrical Equipment and Lighthammer SQL programming costs.

L.E.D.S ~ \$685,000

Implement a Line Event Downtime System (LEDS) at multiple North American facilities. This included PLC programming implementation, RSSQL Configuration and LEDS verification as well as start-up support.

ROBOTIC PACKAGING CONTROLS ~ \$150,000

Generate secondary packaging from multiple SKU loads from several staging sections. Multiple product stations are fed via forklift. Robots take pallet of finished product advances through the muted light curtain on the conveyor. It will index to the end of the conveyor. The End of arm tool will pick up cases in sequences and take them to the build station.

CONTROLS UPGRADE ~ \$75,000

Replace the existing 5/250 Allen Bradley Pyramid Controller with Allen Bradley ControlLogix. Includes the power controls, programming, start-up and production support.

HISTORIAN UPGRADE ~ \$2,500

Add an output signal from the Milk System to the Separator System during HTST CIP sequence. The automation will prevent operators from manually activating the function.

PANELVIEW REPLACEMENT ~ \$5,000

Replace the touch screen (Panel View) for the CIP area. Includes engineering services, hardware and integration.

MICRO EXTRUDER CONTROLS UPGRADE ~ \$70,000

Upgrade the existing Micro Extruder Controls System. Includes developing bid packages, controls programming and testing.

DESIGN  ENGINEER  MANAGE

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