ECS

SOLUTIONS INC.

# LARGE CONSUMER GOODS COMPANY CASE STUDY

(812) 479-5170
www. ecssolutions.com
info@ecssolutions.com

## THE CHALLENGE

ECS was hired to upgrade and replace a CIP control system in one of the manufacturing areas for a large consumer goods company. The scope of work included a new control enclosure containing an upgrade from a SLC-5 controller to a ControlLogix controller. The upgrade also consisted of all IO and connections within the enclosure. Additionally, the company wanted to solve the problem of inefficiencies in their CIP process by implementing FactoryTalk Batch and Batch control within this updated CIP system.

ECS was able to install FT Batch on this system and give the company a method of modifying their CIP process easily from one software. This FT Batch solution is now used to clean six (6) different production areas in one of the company's manufacturing areas.

## THE SOLUTION

The company saw a need to cut down on wasted water and chemicals from the original CIP system. The system was set up to run for the same amount of time regardless of the equipment being cleaned or the actual level of cleanliness that was needed. With FT Batch, the company can now modify the time, flow, and amount of chemical used for each of their six production areas.

CASE STUDY

## THE RESULT

The new CIP system is now able to control the amount of CIP liquid as well as the run time on the CIP circuits based on the equipment being cleaned. This control difference can now be tracked and reported using FT Batch to help the company determine the amount of savings they are receiving, and where they can still make improvements.

The system has not been running long enough to determine exactly how much the company has saved as a result of this upgrade as of this writing of this document.

For future projects within this company, it would be ideal to have more coordination with the equipment being cleaned by the CIP system helping to make the process more seamless. ECS is able to set up the HMI on the equipment to link to the FT Batch server which would allow one point of control to clean all the equipment as opposed to two (2) systems that are passing data and simply handshaking with each other.