

Project Profile

Batch System Replacement

■ Project Summary:

The Wild Turkey facility, located in Lawrenceburg, Kentucky batches and bottles many brands of the parent company, the Campari Group, such as Wild Turkey, Skyy, American Honey, and other Bourbons, Whiskeys and spirits in their portfolio. Stone Technologies was contacted to replace restrictive proprietary batching system used in that plant. Campari wanted a system that would be more flexible, integrate with other systems including their ERP system, and allow them to make changes in house or higher from a larger contractor pool than their last batch system. Stone Technologies was selected as the sole Systems Integrator for the project due to successes of other projects similar to this, and reputation within the industry and batching world.

■ Project Challenges:

- ✓ Integrate with SAP and other production tracking system
- ✓ Aggressive project timeline with many integrated systems
- ✓ Extreme flexibility due to tank constraints in blending
- ✓ High visibility across company due to challenges by previous integrator
- ✓ Running facility with short window to implement
- ✓ Strict requirement for SAP integration by TTB



■ Customer Benefits:

A new batching system provided:

- ✓ More flexibility
- ✓ Ability to make changes in house due to nonproprietary batching system
- ✓ Reused HMI screens for minimal impact on production staff
- ✓ Bidirectional communications with SAP for production order creation and real time material movements and consumptions

■ Technologies:

The Core technologies used in this project include:

- ✓ Rockwell Automation PlantPax® DCS
- ✓ Rockwell Automation FactoryTalk® View SE
- ✓ Mynah Technologies (MIMIC software) for process simulation and testing
- ✓ Rockwell Automation FactoryTalk® Batch including eProcedure® and Material Manager
- ✓ Rockwell Automation FactoryTalk® Historian

Project Profile

■ Stone was responsible for:

- ✓ Design and programming of:
 - System Architecture
 - Batch System
 - Interface with SAP
 - Interface with packaging tracking system
 - All PLC programming and phase development
 - Custom batch reporting
 - All Historian development
- ✓ Deployment, testing, training and ongoing support

■ System Architecture:

- ✓ VMWare Virtual Machine Technology
 - Domain Controller Server
 - FactoryTalk® Directory Server
 - Database and Material Server
 - FactoryTalk® Historian Server
 - FactoryTalk® HMI Server
 - FactoryTalk® Batch Server
 - Engineering Station PC
- ✓ 4 HMI Clients
- ✓ 1 Batch Client
- ✓ 1 Rockwell Automation ControlLogix PAC