

PLC Batch Executive with Recipe Management

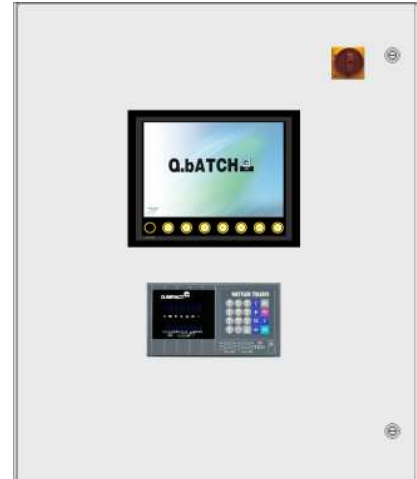
Client: Industrial Weighing and Batching System Manufacturer

Technologies Integrated

- Wago 750-841 Programmable Fieldbus Controller
- Monitouch HMI.
- Mettler Qi Batch Controller.

Background

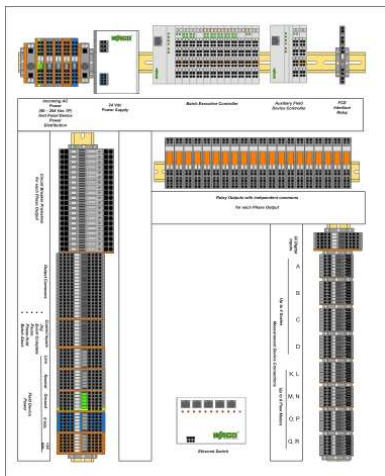
Our client identified a market need for a field configurable batch executive with recipe management. In many small to medium sized batch control applications (e.g. filling, formulation, blending and batching), the size of the application coupled with tight financial and time constraints often prohibits the implementation of a conventional workstation or server based batch control solution. When confronted by these smaller applications, some batch manufacturers tried to get around the problem by hard coding recipes either in PLC controllers or by using ASA's (Application Specific Appliances) such as weigh batch controllers. A market need for a configurable batch executive with recipe management needed to be addressed.



Project Scope and Deliverables

To integrate off the shelf components into a configurable batching system product, highlighted with the Mettler Toledo Qi batch controller. The finished Q.bATCH system featured:

- OFF-THE-SHELF and ready to manufacture. No programming required
- A modular design enables a SIMPLE & FAST installation, configuration and commissioning phases that reduces startup time
- Works with SCALES and/or FLOW METERS
- Optional model-based PREDICTIVE ADAPTIVE CONTROL algorithms that delivers manufacturing SPEED and ACCURACY simultaneously
- Ethernet CONNECTIVITY
- LOWER COST of OWNERSHIP & MAINTENANCE
- Better still these tools are open to System Integrators for further enhancements



Features and Benefits of the PLC Batch Executive:

- ✓ Process control solutions that are "Economical, Modular & Configurable"
- ✓ Tools that increase "Manufacturing Efficiencies"
- ✓ Economical, robust communication tools that take full advantage of "Ethernet Wire"
- ✓ An alternative economical "Batch Executive" that is controller or instrument based