

## Sample Projects

Control System Solutions / Long-Term Client Relationship

- ✓ Control Systems Integrator since 1980s
- ✓ Multiple projects/plants

Atchison, Kansas  
Pekin, Illinois  
Kansas City, Kansas  
Onaga, Kansas

913.367.1480

*We were under a tight timeline to get product off our new Modified B starch line. **The first thing the folks from Bachelor Controls did was to ask a million-and-one questions – every one important. It certainly paid off. During startup everything just “clicked.”** The system worked as planned, and we were able to meet our commitments on the new product.*

Ed Trompeter, Corporate Director  
Gluten and Starch Production and  
New Process Development

### Project Summary

In business since 1941, MGP Ingredients is a recognized pioneer in the development and production of natural grain-based products, including specialty and commodity wheat proteins and starches, and food grade and fuel grade alcohol. Bachelor Controls has been the control systems integrator of choice at MGP since the early 1980s, providing solutions in multiple service areas at multiple production facilities.



### Sample Projects — MGP Atchison

#### Flour Mill

- Mill start/stop sequencing
- Roller mill control

#### Warehouse

- Storage
- Routing
- Blending (air mix)
- Product supply to baggers and palletizers

#### Gluten Dispersion

- Batching
- Spray dryer
- Transporting

#### Drum Dryer

- Start/stop
- pH control

#### MERCO

- Product separation
- pH control

#### Modified Starch

- Batching/reacting
- Scrubbers
- Class I, Div 1

#### Plantwide / Corporatewide Integration

- Data collection and reporting
- Flexibility and compatibility of independent production control systems

#### Alcohol

- Cook
- Continuous fermentation
- Stills (Class I Div 1)
- Mole sieves
- Evaporators
- Rotary dryer/DDGS
- Scrubbers
- Grains

*Our alcohol production efficiencies have improved rather noticeably as planned, allowing us to realize improved food grade alcohol production efficiencies and to set the industry standard for high purity, high quality premium products.*

Ladd Seaberg  
President and CEO

### Sample Projects — Other MGP Locations

- Batching, extrusion, packaging and general process control system solutions for multiple facilities producing multiple product lines, including grain-based ingredients, composite resins, biopolymers, and additional alcohol/distillery systems



Bachelor Controls, Inc.

Systems Integration for Manufacturing

Sabetha • Kansas City • Memphis • 785.284.3482 • sales@bachelorcontrols.com • www.bachelorcontrols.com