

# Company Overview



Maximizing Plant Efficiency with Innovative Automation Solutions

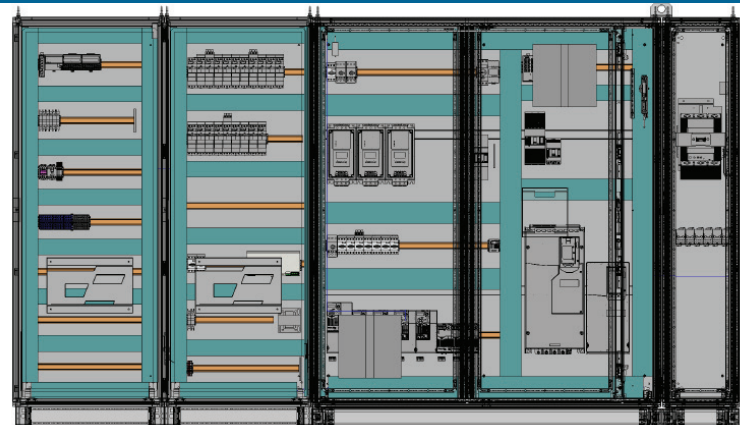
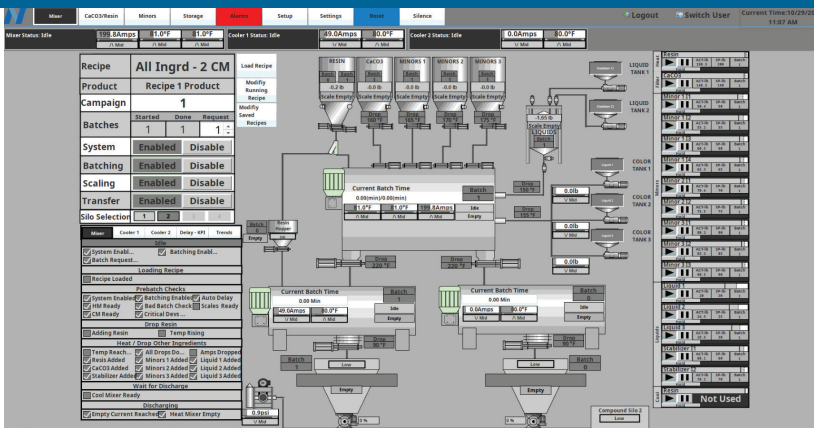


# The NorthWind Advantage

At NorthWind, our custom automation solutions are built utilizing years of process knowledge, in-house production software, automated project development process, and supported by our dedicated service team.

Our solutions include everything from panel design and build, machine control, full plant integration, MES, ERP Integration, and everything in-between. A custom solution means we tailor the controls and automation to fit your process and manufacturing needs to increase throughput.

Our experience providing control systems spans across many different industries. Our three main industries include Pet Food, Food & Beverage, and Plastics. We also have substantial experience in Milling, Grain Handling, and Building Products. This broad range of industries has allowed us to see a variety of processes and control many different machines.



## Process Automation Expertise

NorthWind has years of experience automating Mixing & Batching and Extrusion processes

### Automating Mixing & Batching Systems

The key to successful mixing and batching automation is implementing the right recipe management software. NorthWind's robust software allows customizable setpoints for both ingredients and process variables. Our years of experience in specific mixing applications allows us to provide advanced algorithms and other features to our clients. Ask about our solutions for **plastics compounding, dough mixing, and pet food!**

### Extrusion Controls

Continuous processes commonly have long runs of product, resulting in the potential for significant product loss. NorthWind extrusion controls ensure optimization of your system through implementation of specific sequencing during the startup and shutdown of equipment. This in combination with critical alarms and notifications, will help keep your extruders running and minimize wasted product.





## Panel Fabrication

Panels are designed and assembled in NorthWind's U.L. Certified, 10,000 sq. ft. manufacturing facility utilizing touch-safe components, efficient panel layout, circuit analysis, and code compliance.

## Automation Support

NorthWind's dedicated Service Team is readily available to provide a full range of field support:

- 24/7 Remote System Support
- Onsite maintenance and troubleshooting
- Contract service & maintenance

## SOFTWARE SOLUTIONS

With these tools, maintenance personnel, production managers, and business executives can utilize production information to reducing cost and increase production.

**NorthWind PlantLOGIX®** - Recipe Management, Lot Tracking, and Reporting software for batching and continuous systems.

**Manufacturing Execution System (MES)** - At NorthWind we utilize production and process data for plant optimization with a manufacturing execution system developed for you, with you.

**PlantIQ™** - PlantIQ is an AI platform that helps manufacturers reach and exceed their production goals. This tool utilizes generative AI and Large Language Model (LLMs) that are designed specifically for manufacturing processes.

## Electrical Installation

Our team of trained electricians is dedicated to delivering efficient, safe installations, starting with the estimating and pre-construction planning phase all the way to the final installation. A quality NorthWind installation, delivered the first time, every time, gives you the advantage of a quick startup, less downtime and a smoother process when the job is finished.

## Certification

NorthWind is proud to partner with and is certified by the following organizations



**GOLD**  
**System Integrator**  
A ROCKWELL AUTOMATION PARTNER



### How Can AI Help Your Business?

PlantIQ is a buildable, customizable platform designed to fit your needs. Its modular design allows additional tools like intelligent scheduling, logistics management, and machine learning to be developed for and tailored to your operation.



Thank you for your interest in NorthWind. We are committed to helping our customers improve their process through automation & cutting edge design. For more information, please call or visit us on the web at:

785.284.0080  
[www.northwindts.com](http://www.northwindts.com)