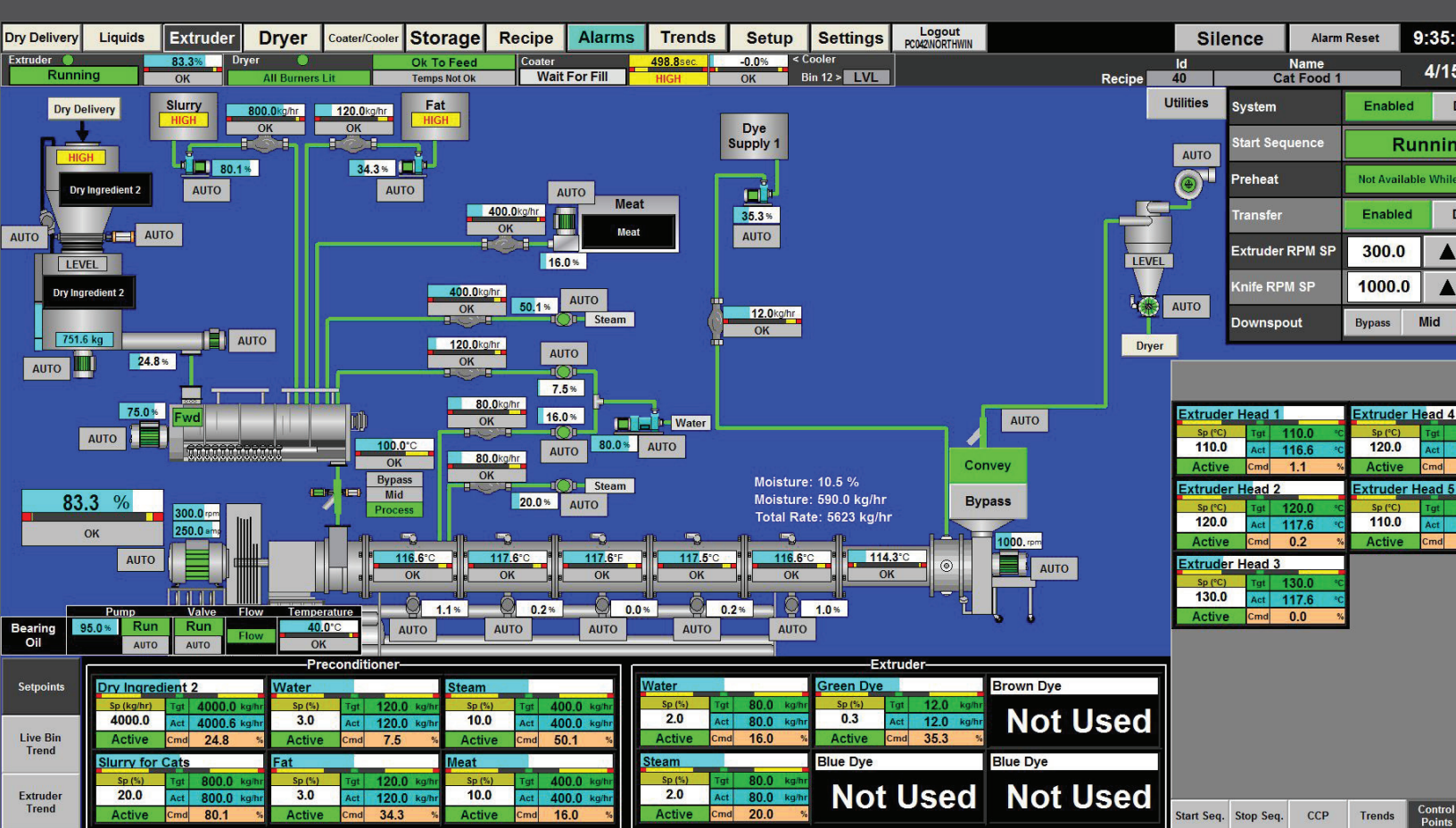


# Pet Food Automation



## Industry Experts in Pet Food Automation

NorthWind has the expertise to make your manufacturing equipment run as efficiently, productively, and profitably as possible.

# Process Knowledge

With thorough knowledge of the pet food manufacturing industry and food safety regulations, a pet food automation solution by NorthWind optimizes your facility in everything from the batching & recipe management systems to continuous extrusion, coating & quality control.

A NorthWind control solution can ensure optimization of your system through implementation of specific sequencing during the startup and shutdown of your equipment. This is in combination with critical alarms and notifications, will help **keep your extruders running** and **minimize wasted product**.

BETTER AUTOMATION PROCESS  
to give you better solutions

## Plant Integration

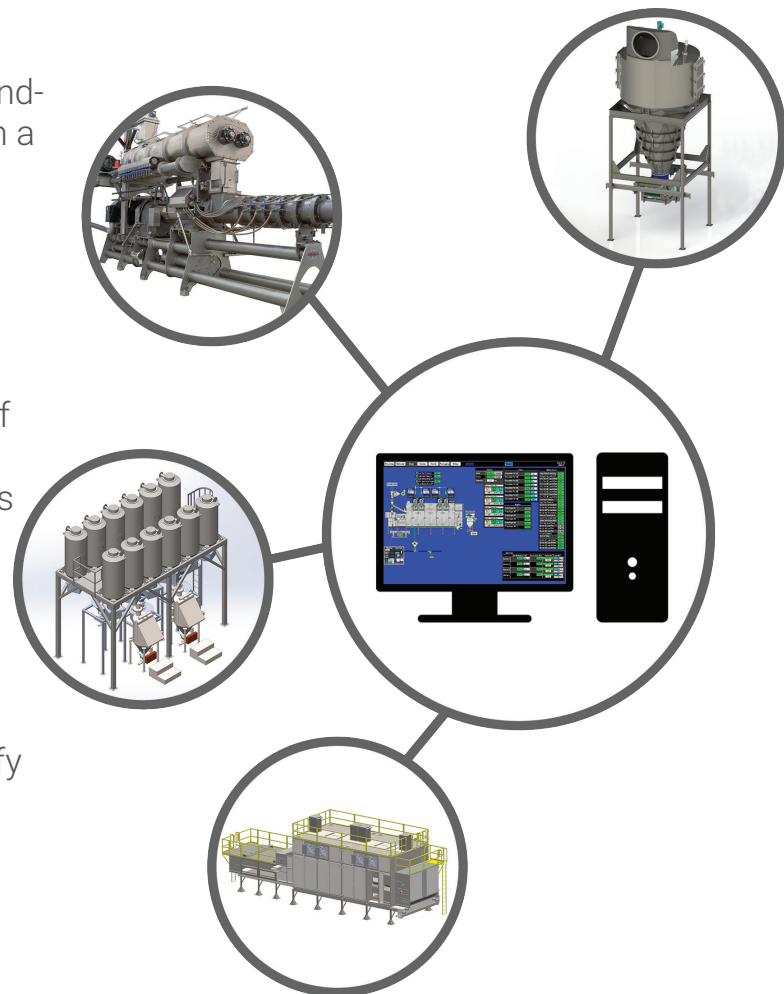
Learning and maintaining 5 or 10 different systems can be difficult. NorthWind gives you end-to-end control and visibility of your plant through a fully integrated automation system.

## Continuous Optimization

NorthWind's control systems are self-tuning to ensure quick, accurate, and consistent control of adjustments to fluctuations in ingredients and conditions. This provides quality control, reduces waste, and cuts time off each process startup.

## User Friendly Control

Our automated system sequences allow operators to quickly reach full production, identify critical status conditions, and make necessary adjustments with minimal training.



Dry Delivery	Liquids	Extruder	Dryer	Coater/Cooler	Storage
Extruder <span style="color: green;">●</span>	83.3%	Dryer <span style="color: green;">●</span>	Ok To Fe		
Running	OK	All Burners Lit	Temps C		
Preconditioner	Extruder	Dryer	Coater		
Name	Ingredient	Recipe SP			
Dry	Dry Ingredient 2	4000.0 kg/hr			
Steam	Steam	5.00 %			
Water	Water	3.00 %			
Slurry	Slurry for Cat Food	20.00 %			
Fat	Fat	3.00 %			
Meat Mixer	Meat	10.00 %			
Name	Value				
Preconditioner Speed	75.00 %				

## Formula Management

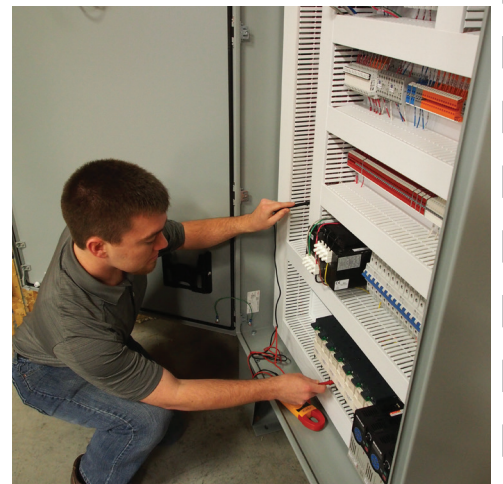
NorthWind systems allow for ease of use and flexibility in management. Keep one formula database for both batching and continuous processes. Product formulas can include process variables and scalable ingredients that will adjust automatically with a change in rate.

## Traceability

New food safety protocols require more visibility and monitoring of ingredients used in petfood manufacturing. Users can trace ingredients through the entire manufacturing process with lot number tracking, storage, and reporting capabilities.

## Integrated Maintenance

An alarm management tool helps track control points, logs device usage, and notifies via email or text message on critical alarms. Machine diagnostic information and custom operator actions are integrated into alarm HMI screens. Contact a NorthWind representative to learn more about ways we can benefit your maintenance processes.



**Rockwell  
Automation**

**Solution  
Partner**

## Rockwell Automation Solution Partner

NorthWind is the first Solution Partner specifically in the Pet Food Industry. Solution Partners are system integrators who have the commitment to deliver the highest quality technical solutions and customer service, leading with Rockwell Automation Technologies. **Talk to a NorthWind Rep today to find how working with a Solution Partner can benefit your plant.**

# PlantLOGIX™

NorthWind

The NorthWind PlantLOGIX Suite of software is a powerful tool designed to streamline and simplify factory processes, taking your plant to the next level and allowing you to get the most out of your automation system.

## AlarmLOGIX®

Data Tracking & Alarm Management Software

## BatchLOGIX®

Recipe Management & Reporting Software

## BatchMATE®

Automated Micro Ingredient Hand Batching Station

## PlantLOGIX™

NorthWind

### SECURITY

Multi-Application User Access Management Software

The NorthWind QuikLOGIX® PLC Program Configuration tool shortens and simplifies the task of writing PLC code.



### 2019 System Integrator of the Year

We are proud to announce that we have been named Control Engineering Magazine's 2019 System Integrator of the Year. This award is a tribute to the hard work and effort of the entire NorthWind Team.



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)