

Grain Handling Automation



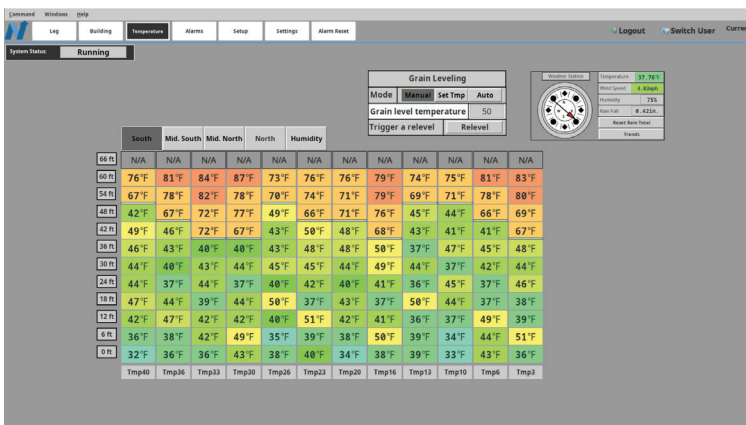
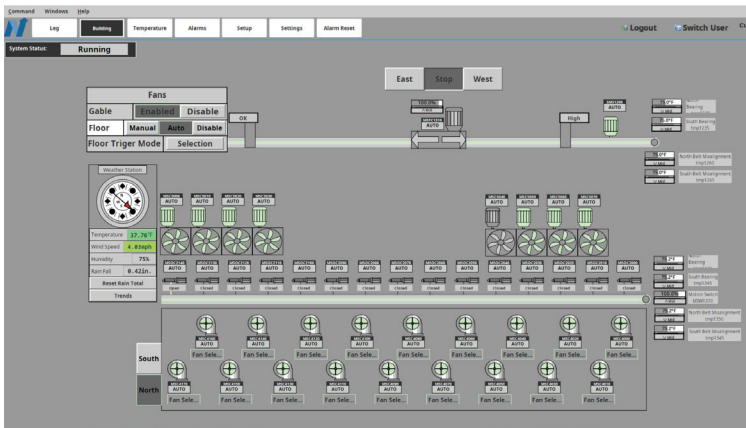
NorthWind provides grain handling automation solutions to grain elevator and processing facilities throughout the United States. Our control systems include grain conveyance, hazard monitoring, temperature and moisture monitoring, motor control, and automated loadout.



Grain Solutions

Correctly monitoring grain conditions and equipment saves money by reducing shrinkage, decreasing kernel degradation, using less energy, increasing personnel safety, and boosting efficiency. NorthWind's control systems are designed with user-friendly and informative interfaces. Utilizing high performance graphic standards, critical system information is highlighted. Our control systems display valuable real-time data and feedback, including built-in alarms and overflow indicators that are designed to ensure safety and accuracy at every stage of your process.

Our team of dedicated Automation Technicians are available for troubleshooting and remote support 24/7. Combine this with our process knowledge and controls expertise and you have an unbeatable Automation Solution.



Grain Conveyance

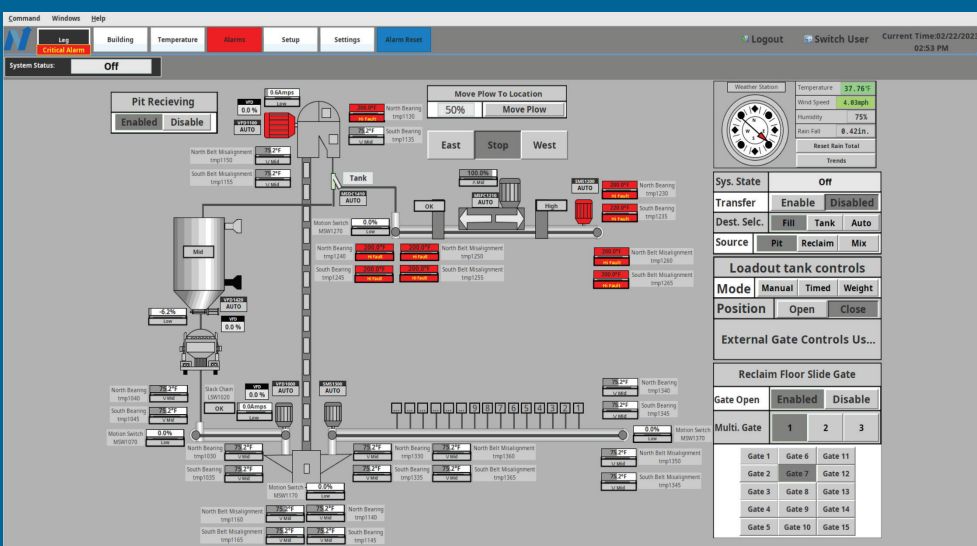
Conveying grain accurately is critical. The cost of cross-contamination by adding a commodity to the wrong bin or shutdowns is high. NorthWind's System allows for automatic bin inventory management and helps maintain safe operation of your equipment.

Temperature & Moisture Monitoring

NorthWind systems are reading 500-700 temperature and moisture sensors throughout each bin. Hot spots are quickly detected, and drying/cooling zones can be tracked, leading to more efficient aeration management.

Automated Loadout

NorthWind's control system integrates directly to your order system or ERP software for automated loadout. Our system reads the RFID tags on the trailers and automatically fills to order ensuring accurate and timely fulfillment.

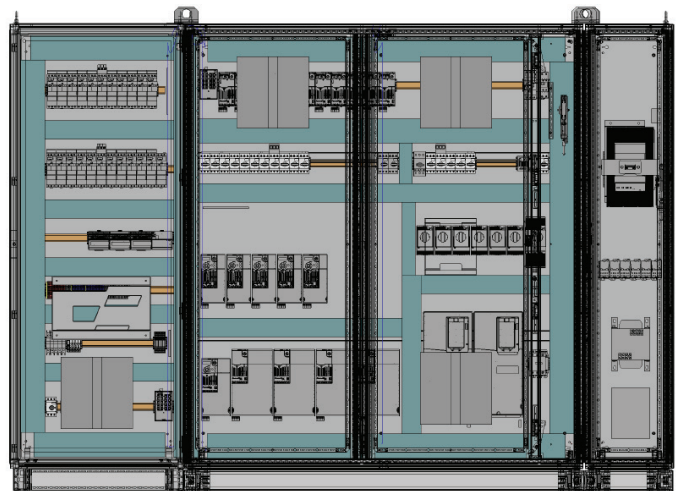


Hazard Monitoring

Equipment and personnel safety is at the forefront of NorthWind's control strategy. Hazard monitoring is used throughout the conveyance equipment and designed to shut down equipment if unsafe operating temperatures are reached or a slip in equipment belts occur.

Motor Control Panels

NorthWind's Motor Control Panels are a great alternative to Motor Control Centers. Our Motor Control Panels are built in modular enclosures with three main sections; Power Distribution, Motor Control and IO. This innovative design isolates sections with high voltage allowing the IO section to be safely accessed for maintenance and troubleshooting.



[NorthWind is a Rockwell Automation Gold System Integrator](#)



Gold System Integrators have the commitment to deliver the highest quality technical solutions and customer service, leading with Rockwell Automation Technologies.



The AI Platform helping Manufacturers reach and exceed their production goals.

PlantIQ Agent

PlantIQ Agent is a digital expert powered by generative AI and manufacturing-specific LLMs, offering solutions and recommendations to help operators and support engineers solve problems.

Knowledge Base

The knowledge base compiles SOPs, manuals, training materials, transcriptions, process data, service tickets, and more. It continuously evolves through user interactions and feedback, improving the quality of answers over time.

Alarm Module

The Alarms module leverages generative AI to interpret PLC and SCADA alerts, offering focused insights into system faults. It accelerates resolution through historical analysis, process data, and service ticket context.



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