

PETFOOD FORUM

Where the GLOBAL PET FOOD
INDUSTRY does business

Understanding AI to streamline pet food manufacturing

PRESENTERS

Matt Lueger, NorthWind Technical Services

Bill Ward, Northslope Technologies

#petfoodforum

April 28-30, 2025, Kansas City, Missouri, USA



What is AI?



Machine Learning



Prediction Models



Anomaly Detection



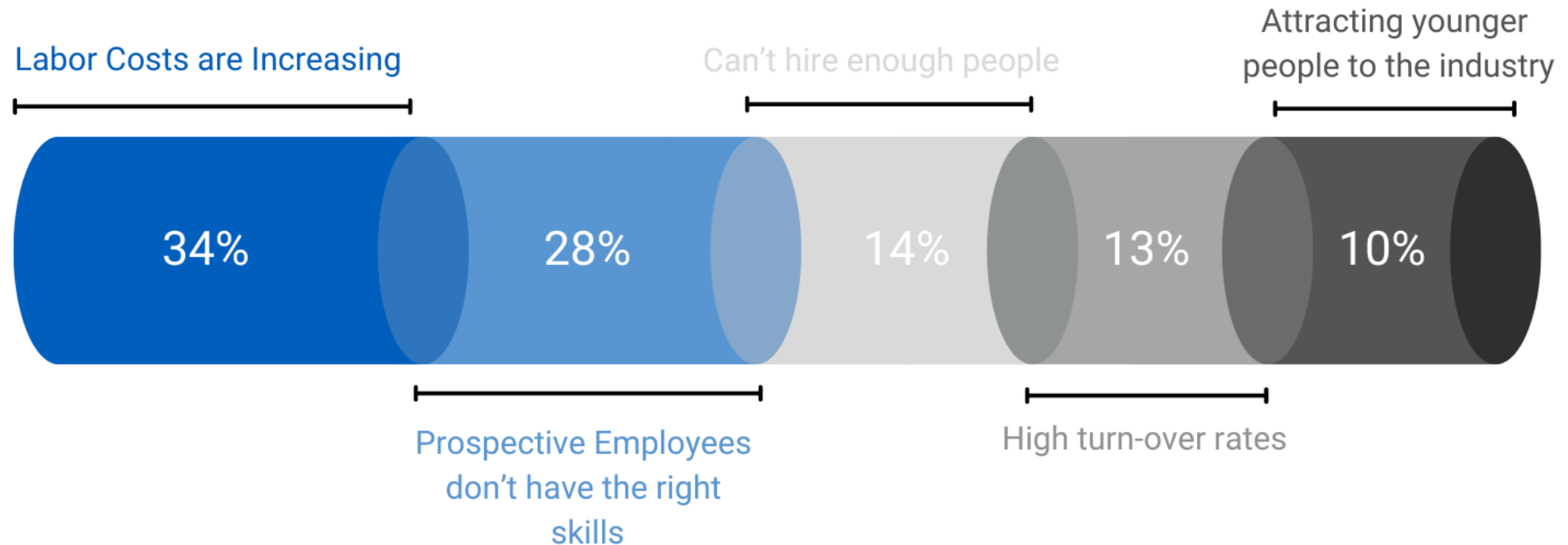
Generative AI – LLMs, Chat GPT, etc.



AI as a Platform

An AI Case Study

The Problem: A shortage in skilled labor affecting capacity, efficiency and growth.



An AI Case Study

The Solution: A digital expert that can provide suggestions and recommendations for solving common problems that operators and support personnel face in manufacturing.

Ultimately shortening the time to go from problem to resolution.



Alarm Module

Use AI to identify, explain, and resolve alarms



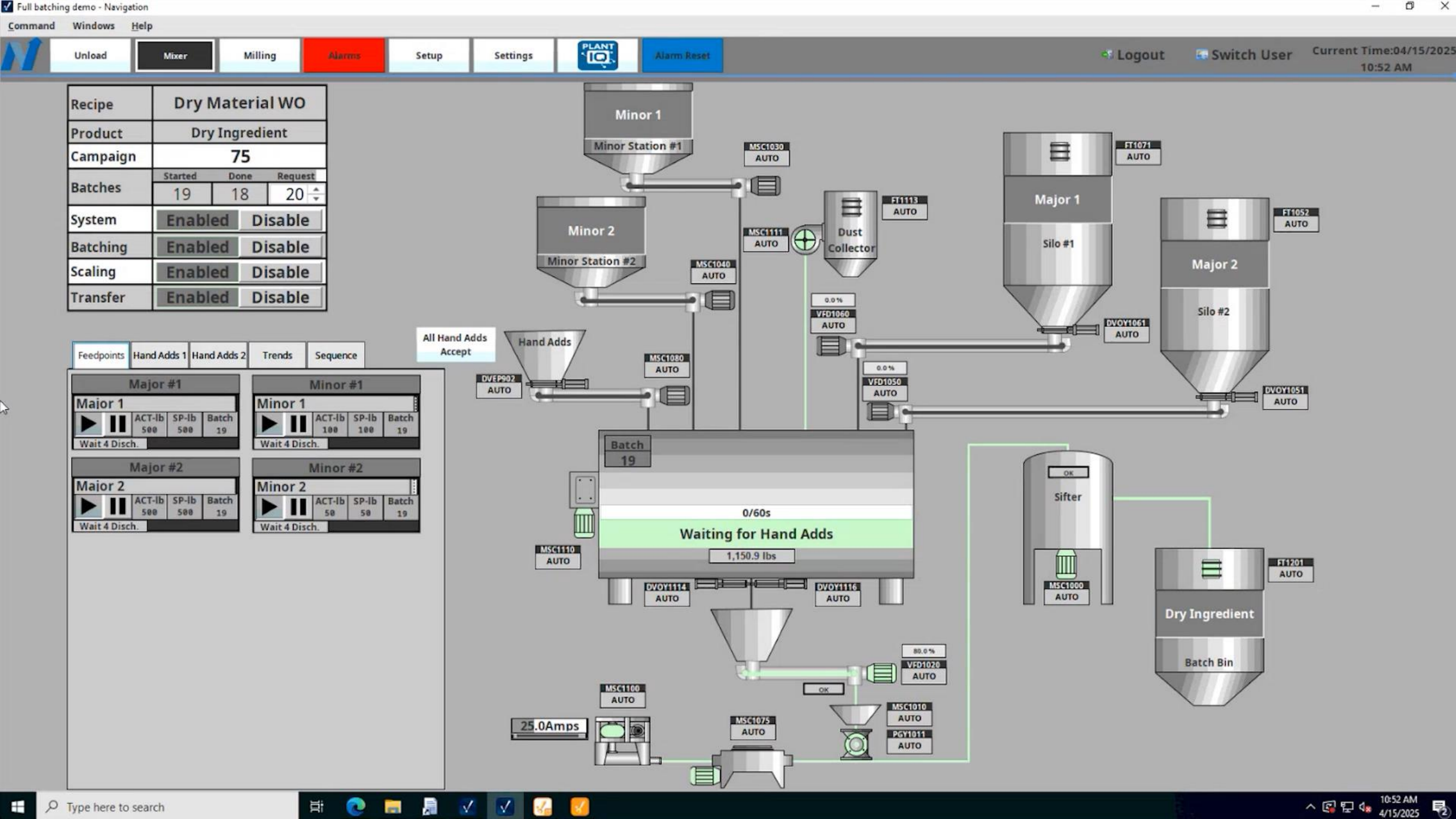
Knowledge Base Module

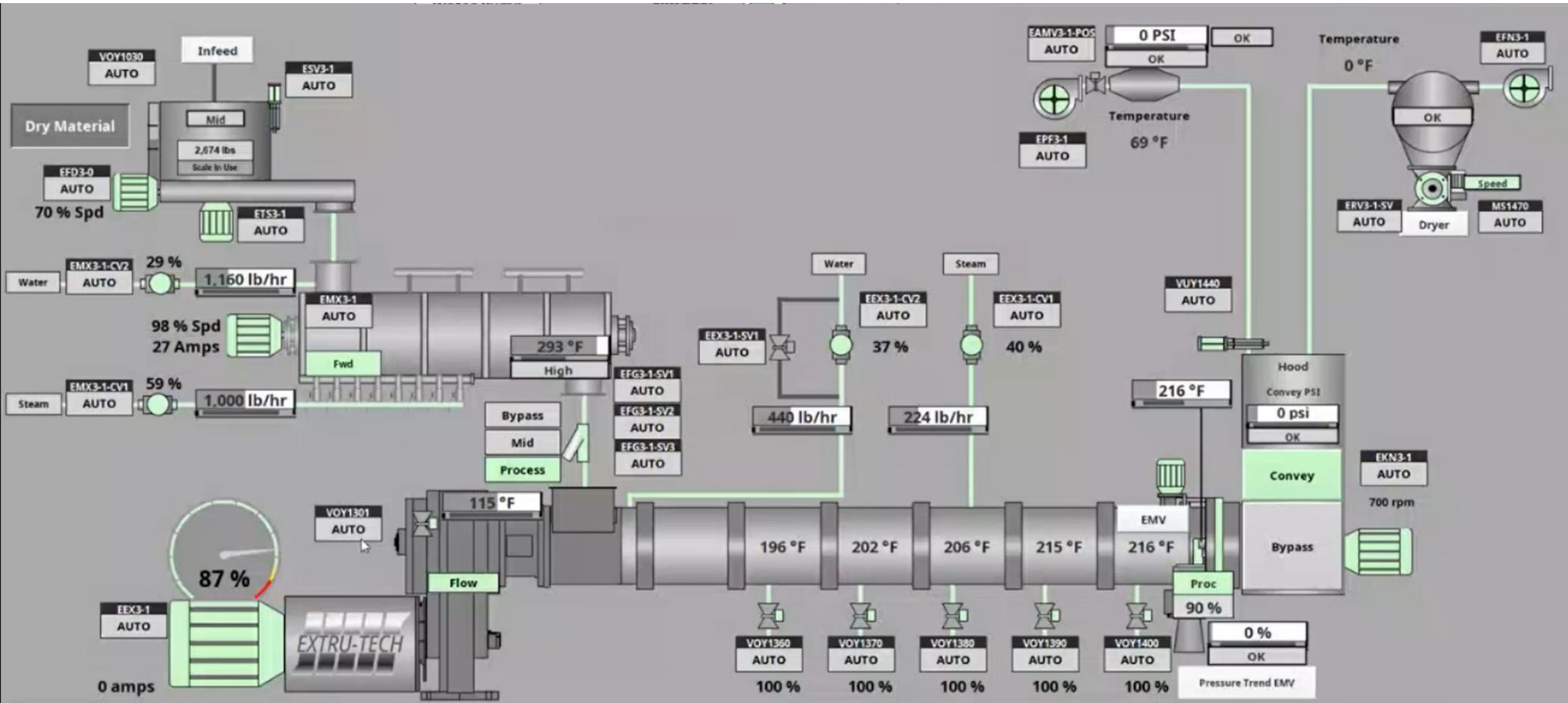
Ask questions against Knowledge Base documents using PlantIQ and explore your documents



Service Tickets Module

Manage Service Issues





Our Process: Real Problems, Real Value



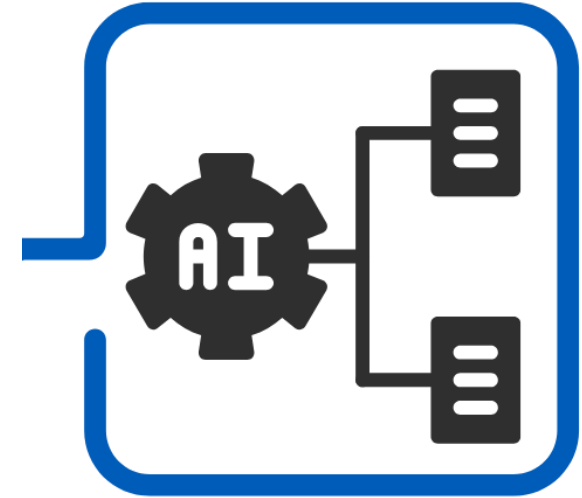
START WITH A REAL PROBLEM

Every workflow starts from a pain point: late orders, excess inventory, downtime, etc.



TIE IT TO REAL DOLLARS

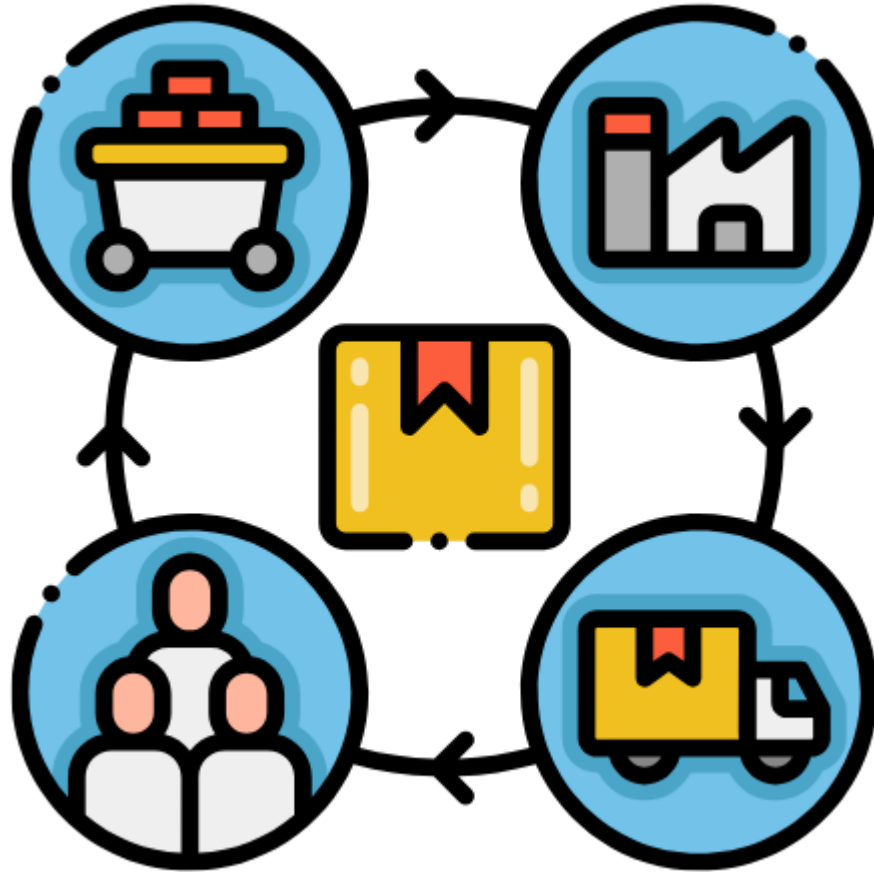
We quantify the opportunity, e.g. a \$10m/year factory losing 10% throughput from poor scheduling = \$1m problem



BUILD A CUSTOM AI WORKFLOW

We design and deploy tailored solutions that give human operators AI-enabled workflows to solve the problem.

Solutions Across the Value chain



Production Scheduling

Reducing costly downtime with AI-assisted schedule optimization, both forward planning and responding rapidly to unexpected events.

Supply Chain Optimization

Reducing excess inventory with automated AI procurement and stock management.

Mission Control for Field Teams

AI-enabled part, process, procedure, and customer information at reps' fingertips – increasing first-time-fix rate.

Continue the Conversation

Petfood Forum Booth 2135



Matt Lueger, Executive Vice President
NorthWind Technical Services
www.northwindts.com



Bill Ward, CEO
Northslope Technologies
www.northslopetech.com