

Wyeth Nutritionals Georgia, VT Wet Process Control System

Wyeth Nutritionals is part of the Wyeth Pharmaceutical division of Wyeth. Wyeth Nutritionals manufactures infant formula products, adhering to pharmaceutical standards. Wyeth was upgrading their control system for the production of infant formula. The requirements of the project included control of four areas of the wet process system; Material Receiving, Fat Blending, Liquefying and Compounding. In total, these areas contained all processes required to produce a liquid infant nutritional mix to be passed on to the dryer systems for conversion to a marketable powder form. Hallam-ICS was hired to work closely with the Wyeth team to provide control system design, PLC/HMI programming,

custom software development, system commissioning, documentation and training.

The four process areas were fully automated to ensure proper ingredient tracking, ingredient distribution and ingredient batching. The control system consisted of a new Allen-Bradley PLC-5, multiple Intellution FIX32 nodes and a Microsoft Access relational database. Material receiving, distribution and batching are initiated by a custom database application and user interface. Intellution's Easy Database Access (EDA) was utilized to incorporate and log process events and parameters to the custom database application and to automatically print batch reports for each phase of the process.

