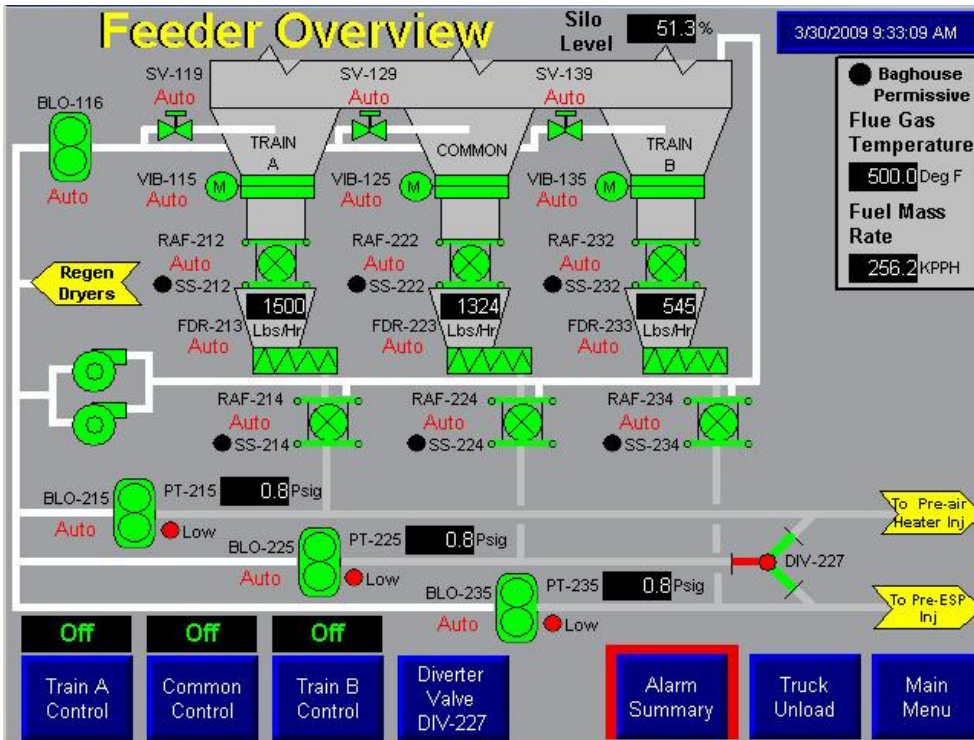


Control Masters Application Case Study

# Pneumatic Conveying with Loss in Weight Feeders



## Technologies

Rockwell SLC5/05 PLC  
 Rockwell Panelview +  
 Brabender Feeders  
 Yaskawa F7 Drives  
 Ethernet I/P

## Services Provided

Functional Specification  
 PLC & HMI Integration  
 Electrical Engineering  
 Control Panel Design  
 & Fabrication  
 Process Simulation

## Project Description

The hydrated lime system is designed to neutralize acid gases from the power plant boiler flue gas streams. The neutralization is accomplished by employing a dilute phase pneumatic conveying system to inject measured amounts of lime into the mixing chambers. The amount of lime is varied based on the plant load and it is varied using a loss in weight feeder at the base of lime silo.

The process is controlled locally from a Panelview Plus or remotely from the plant DCS system over Ethernet using a SLC5/05 PLC. The PLC interfaces to the Brabender loss in weight feeder and the Yaskawa feeder drives over Ethernet I/P as well.

