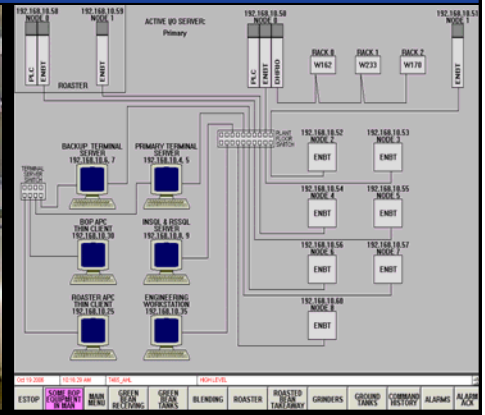


Reily Foods Coffee Plant



PROJECT: Coffee Roaster Plant Design
CLIENT: Reily Foods
SERVICES: Plant Design, Control System Integration, and Balance of Plant Work

New plant design for receiving, blending, roasting, grinding and packaging coffee featuring a two million pound green and roasted storage capacity and roasting capability of 6,000 lb/hr. The project included a new coffee plant building design on the existing Client site.

River developed a manufacturing execution system (MES) that serves as an interface between the Client's business system and the plant floor. The MES layer consists of a SQL database and a web-based application, which enables the Client to manage the day-to-day production. The main functions of the MES include:

- Control System Integration
- Recipe and Blend Management
- Scheduling
- Execution
- Product Tracking
- Product Inventory
- Production Reporting
- Equipment Reporting



Goals met with project completion include a ControlLogix-based control system for the coffee roaster and balance of the plant, an integrated coffee production planning, operation and tracking solution, the ability to plan production activity based on the automated inventory updates, product recipe management for blending and roasting, and the ability to track product genealogy from green bean lot through roasting to ground fill production runs.

