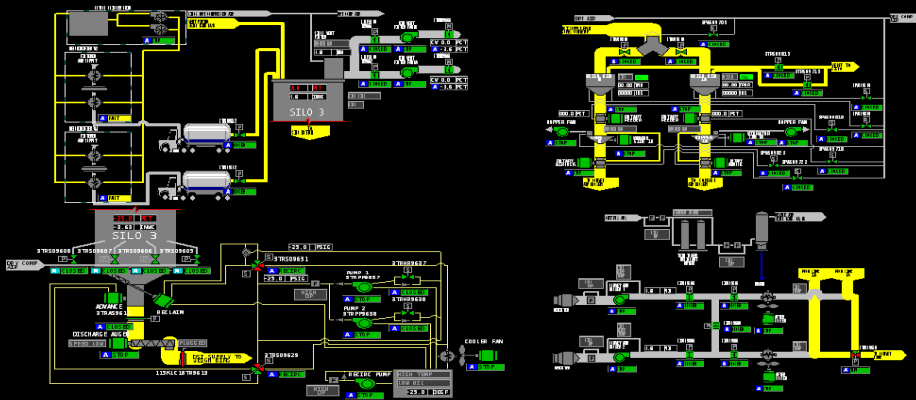


Dry Sorbent Injection System



PROJECT: Dry Sorbent Injection System (DSIS) SO₃ and Mercury Mitigation

CLIENT: Technology Provider

PROJECT DESCRIPTION:

River partnered with a process equipment manufacturer to provide multidiscipline engineering to procure the process control system for ten confidential Dry Sorbent Injection System projects for one of the largest electric utility companies in the United States. These projects have a combined installed generation capacity of over 10,000 MW and are part of the utility's Flue Gas Desulfurization (FGD) programs for their fleet of 800 MW and higher generation plants. The project scope of engineering and equipment procurement included structural, mechanical, process piping, instrumentation and controls, and automation programming.

River provided the following engineering services and equipment for the project:

- Structural foundation loads
- Structural steel tower design
- General arrangement drawings
- Mechanical process piping details
- Instrumentation and controls wiring diagrams
- Elementary schematics for equipment control
- Physical routing of raceways and cables
- PLC/HMI programming
- Simulation and testing
- Procurement automation equipment



5.1.2009