

## ADVANCED FLUE GAS DESULFURIZATION SYSTEM

**Client:**

- Sargent & Lundy
- Williams Ethanol

**Project Location:**

Carbondale, IL  
Pekin, IL

**Capacity:**

80,000 lb/hr Flue  
Gas

**Approximate****Installed Value:**

\$6,000,0000



*PCI was selected by a major engineering firm and an ethanol producer to provide technical assistance with the operation and design optimization of an advanced technology flue gas desulfurization pilot plant including the subsequent design of a scaled up system to be installed on an existing coal fired power plant.*

**The scope of work included:**

- Technical assistance with operation and modification of a flue gas desulfurization pilot plant test facility
- Assisted with locating host site for scaled up flue gas desulfurization system
- Assisted with contract negotiation and execution of host site agreement
- Managed and performed data gathering relating to a pulverized coal-fired industrial boiler plant and related auxiliary facility, and interfaced design of demonstration system
- Prepared layout of flue gas desulfurization system including tie-in and interface with existing coal fired boiler plant
- Designed balance of plant systems for flue gas desulfurization demonstration system
- Prepared equipment specifications and selected equipment
- Provided overall project management, construction management and commissioning services

