

PLC Control Panels for Selective Catalytic Reactors and Plant Utility Systems

DC Motor Control Panels for Turbine Lube Oil Back-up Pump and Turbine Turning Gear Motor

MCE worked closely with the customer to resolve design issues related to the construction of the control panels to support a very aggressive completion date.

The two primary control panels manufactured for this project used GE FANUC PLCs. The first being the SCR Control Panel, which controls and monitors all four gas turbine exhaust SCR systems (Selective Catalytic Reactor).

The second is the Utility Control Panel, which monitors and controls all related support equipment for all four gas turbines.



In addition to the PLC panels, four 125 VDC motor control panels were also manufactured. Each of these panels supports an individual gas turbine, which has two 5 HP motor controls for the lube oil pump motor and the turning gear motor.

A facility lighting control panel and a back-up battery room leak detection panel were also manufactured for this project.



**Mountain States
Electrical Contractors, Inc.**