



## HPI's Shuwaikh Power Plant Project

HPI recently undertook a major power plant project in Kuwait, The Shuwaikh Peak Power Plant. The plant is built around six (6) LM6000 Gas Turbines. Each of these turbines is rated to provide between 43MW and 50MW of rated power, or about 300MW at full load.

For this massive project HPI teamed up with S&W to build the actual plant. HPI was tasked with the creation of the Supervisory Control System (SCS). The Supervisory Control System (SCS) will monitor and/or control the six (6) LM6000 Gas Turbines, Air Inlet Chillers, Gas Compressors and miscellaneous balance of plant equipment associated with the power plant. HPI built and delivered the Balance of Plant (BOP) panels. These controls will be used to carry out control of miscellaneous items of plant equipment.



For this project HPI also provided the Operator Interface Displays. This consisted of six (6) displays in the main control room, and two (2) displays in the training room. Two (2) 42" Plasma displays were also provided for the training room. Along with Operator Displays, HPI also supplied Operator desks and consoles, three (3) for the main control room and one (1) console for the training room.

The SCS is run by two (2) servers located in the training room. All equipment in the SCS is linked by fault tolerant fiber optic network cabling.

As technological leaders in the supply of turbo-generator services, for both the OEM and retrofit markets, HPI uses professional project teams with extensive experience in the design of hardware and software, manufacturing, testing, installation, commissioning and supporting of turbine systems. Former key VT Controls and HSDE staff have over 150 cumulative years experience in the industry make up the HPI engineering, project, organization and management teams; they have been proven through many years of providing turbine retrofits and are formed of highly qualified personnel who fully understand the demands of this specialized industry.