



GTH DESIGNS AND BUILDS A CUSTOM BURNER CONTROL SYSTEM FOR NEVADA

When a mine in northern Nevada wished to retrofit a carbon regeneration kiln, they contacted the George T. Hall Company. Our engineering department designed a PLC-based control system utilizing a Modicon Quantum PLC, Maxon valve control system, Fireye flame safeguard equipment and an industrial PC touchscreen running Wonderware's InTouch operator interface software. Modicon's Modbus Plus communication network was used through a Weed Instruments fiber optic interface providing process information onto the plant network. Valves, temperature sensors and other instrumentation were also replaced to ensure optimum efficiencies.

Benefits include:

- Control upgrades improved system operation
- Energy efficiency through the Maxon Smartlink System
- Improved temperature control at each burner
- Enhanced performance and data collection

By utilizing internal and vendor resources, GTH was able to design and manufacture a control system that blended innovation, energy efficiency and functionality.

In addition to PLC and SCADA solutions, the George T. Hall Company offers other products for the Mining and Mineral industry including combustion controls, Variable Frequency Drives, gas detection and control valves. We also have MSHA certified personnel on staff who are capable of performing on-site services such as field calibrations, programming, start-up and instrument repair.

Contact your local GTH office for more information on our engineered solutions for the Mining and Mineral industry.

