Electric actuators maximize heating efficiency

Chile Oro Andino Power Plant

FREYA MULTI-TURN ELECTRIC ACTUATOR APPLICATIONS

Power

Application

Chile Oro Andino Power Plant

Freya Solutions

> Retrofit | Automation
> FRYQ18 Electric Actuator with Intelligent Control Unit
> Profibus DP, Modbus RTU, Hart FF
> Project Management and Field Service

Customer Benefits

> Higher System Efficiency
> Advanced Equipment
> Remote Control of Actuators
> Freya provides complete project implementation services

By retrofitting with Freya electric actuators, the Chile Oro Andino Power Plant significantly improved its automation level, maximizing production efficiency.

Freya service team was responsible for overall project management.

Minera Oro Andino is a modern, highly efficient power plant located in the Atacama Desert of northern Chile.
Our company continues to invest in technological innovation and automation upgrades. Electric actuator technology is a key cornerstone in achieving safe, efficient, sustainable, and intelligent mining operations. We look forward to furthering our collaboration with Minera Oro Andino and jointly exploring the future frontiers of power plant automation.

Automation Sustainability

To withstand the rigors of extreme operating conditions such as high temperature and pressure, thermal stress shock, corrosion and wear, and long opening and closing times, the FRYQ18 multi-turn intelligent integrated electric actuator significantly improves outdoor service life and production process efficiency, with customizable speeds.
To enhance process automation, we have designed communication bus interfaces such as Profibus DP, Modbus RTU, and Hart FF.
For boiler combustion control, the actuator can be quickly activated and remotely controlled from a central control room. It offers advantages such as precise synchronous control, safety interlocking, and closed-loop energy efficiency management.
In areas with severe vibration or high process temperatures, the modular design allows the intelligent control unit to be mounted separately on a wall bracket, maintaining a distance from the actuator to protect the electronics in the actuator controller.

One-stop project implementation

One of the main reasons for choosing Freya was that the entire solution was provided by a single supplier: the Freya team was responsible for data acquisition, on-site sizing, planning, and the entire order process, from quotation to ordering and delivery, as well as on-site installation, commissioning, and customer training. Our years of expertise were particularly valuable in the customization required for valves and actuators during production and installation. This allowed the actuator to be perfectly adapted to the valve with only minor modifications required on-site.

Project Responsibility:
Freya China

www.electricactuator-valve.com