


VALVTECHNOLOGIES


Isotech® Parallel Slide Gate

Proven Success in Single Isolation

Location: England

Background: The power station, situated in England, is the largest, cleanest and most efficient coal burning power station in the United Kingdom. Its generating capacity is 3,960 megawatts and at current output levels generates enough electricity to meet the needs of seven percent of the United Kingdom. This plant, greatly concerned about the environment, focuses on a low-carbon economy, a concept that refers to an economy which has a minimal output of greenhouse gas emissions into the biosphere, but specifically refers to the greenhouse gas, carbon dioxide (CO₂). Understanding their very important role in the transition towards a low-carbon economy, the power station is committed to reducing emissions and have various projects ongoing which will deliver significant savings.

Requirement: ValvTechnologies' UK distributor specialized in the supply of critical and severe service valve isolation solutions. In 2004, they began supplying ValvTechnologies V1-1 metal seated severe service ball valves for problem areas such as drains and bypasses for the power station. Because of the longevity and reliability of the isolation provided on the drains and by-passes, the station began to use the ValvTechnologies products in other applications.

During 2007 and 2008, the distributor supplied a number of 12, 14, 18 and 20" diameter, Isotech® valves for units one-three on the feed system (start and standby feed pumps, HP heater feed inlet and outlets). These are powerful pumps that can move water at the rate of 150 gallons (568 liters) every second.

Solution: The valves proved successful in providing single isolation, which allowed maintenance to be carried out on tube leaks without shutting down the entire system. The distributor has since supplied 8" and 10" diameter Isotech® valves to the power station taking the total number of units to 36. The ValvTechnologies' zero-leakage valve range is the premier solution where isolation is required for critical and severe service applications, providing increased safety and reliability, while reducing emissions, contributing to a cleaner environment.

ValvTechnologies provides field proven solutions for severe service applications.

For more information, contact Bill Henwood bhenwood@valv.com