CFI
CONTROLLED FLUIDS
a relevant. company

WINNING APPLICATIONS

CUSTOMER INDUSTRY

Petrochemicals.

THE APPLICATION

The customer was using an eight year old Siemens 501F gas turbine to provide steam to the process header.

THE PROBLEM

The original Rexroth gas valve on the customer's gas turbine had become obsolete and required an upgrade. Although a Rexroth gas valve was originally installed on the Siemens 501F gas turbine, the turbine's user manual called for gas valves from Moog. Additionally, the customer had been facing lead times in excess of 30 weeks in order to source replacement parts from the manufacturer in Germany. Due to the long lead times for replacement parts, the customer needed a gas valve solution that could reduce lead times and mitigate the risk of late replacement parts during outages.

THE SOLUTION

Based on the specifications of the customer's Siemens 501F gas turbine and the customer's need for reduced lead times on spare parts for their gas valve, Controlled Fluids recommended that the customer replace their obsolete Rexroth gas valves with Moog gas valves. This solution would bring the customer's turbine in line with the manufacturer's specifications and upgrade it to current standards. In addition, replacement parts for the Moog gas valve could be sourced domestically from Moog, which would drastically reduce lead times to 6 weeks and mitigate the financial risk from outages.

THE RESULTS

After upgrading from the obsolete Rexroth gas valve to a current Moog gas valve, the customer's eight year old Siemens 501F gas turbine was not only updated to current requirements, but it was also brought into line with the manufacturer's original specifications.

Furthermore, the ability to source replacement parts up to 5 times quicker dramatically reduces the risk of the required parts being unavailable during scheduled outages.