

# NAKAKITA SUPPORT

## Actuator and Process Valve Services

Moog has been an authorized Nakakita repair center since 2009. Today, our expertise includes most Nakakita process valves mounted on the M501F/G turbine as well as the Nakakita hydraulic and pneumatic actuators used to position these valves.

We offer a breadth of services for Nakakita products, from simple field inspections and troubleshooting assistance, to complete “zero hour” factory overhauls. Moog is the only authorized service center in North America for Nakakita process valves and actuators used on the M501F/G combustion turbine. In addition to repairs and overhauls, Moog can provide complete spare assemblies.

### APPLICATIONS

- Fuel Control
- Lube Oil
- Combustor By-pass
- Bleed Service
- Purge Air
- Water Injection
- Various Drain, Sweep and Vent services

We support the pneumatic and hydraulic actuators and process valves, including, control valves, ball valves, butterfly valves and cylinder valves.

### SITE AUDITS

Moog offers site audits to identify the Nakakita equipment present and assist plant operators/managers with major outage planning for scheduled overhauls. Some valves/

actuators are unique to each facility, so Moog may not have parts on the shelf to facilitate repairs. Unique components with long lead time replacement parts are identified, so purchase orders can be released with sufficient lead-time for parts delivery.

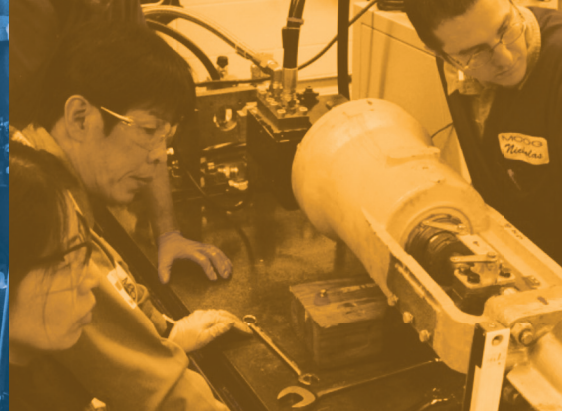
Moog can also develop a critical spares list. Maintaining a local supply of valves and actuators for rapid deployment in the event of a forced outage can help meet contractual availability and reliability statistics.

### PROCESS AND PLANNING

Once the audits are complete, Moog can offer a variety of preventative and predictive maintenance services, both on site and at our factory repair center, designed to maximize uptime and productivity.

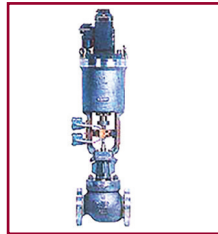


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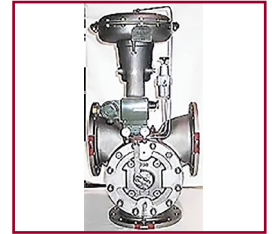


## TYPICAL VALVES IN A GAS TURBINE PLANT

FUEL GAS FLOW CONTROL/  
PRESSURE CONTROL VALVE  
PURE WATER CONTROL VALVE  
FOR NOX CONTROL



LUBE OIL TEMPERATURE  
VALVE



FUEL GAS NOZZLE SWEEP  
SUPPLY/VENT VALVE



LUBE OIL PRESSURE  
REGULATING VALVE



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