

OLYMPUS Gas Turbine Controls

The OLYMPUS series of gas turbine controls by HEINZMANN UK offers a comprehensive provision from a single independent supplier, suitable for any size, type and make of gas turbine.

OLYMPUS is available for OEM, retrofit and upgrade applications aimed at reducing lifetime costs in operation of turbo-machinery by improvements in reliability and maintainability. HEINZMANN UK offers a complete engineering solution, starting with consultancy to work out a customised proposal and finishing with lifetime support. In the course of a project HEINZMANN UK will take care of the removal of original equipment and the installation and commissioning of the new equipment. Training of personnel is also available, as well as overhaul and maintenance service programs.

Frequently, gas turbine controls upgrades feature attention to fuel controls and automatic control panels.

Fuel system components include our liquid fuel metering pump which replaces the conventional pump, throttle valve and regulator, our "evolution" gas fuel metering system which uses control industry standard valves configurable to any turbine or gas fuel and multi-fuel systems in which any number of fuel streams can be mixed – gas/gas, liquid/liquid and gas/liquid. All these systems require only low voltage DC electric power to operate plus an AC supply or mechanical drive to power liquid metering pumps. All are scalable to match any size of turbine. In most applications, field installed OLYMPUS components are of course certified for operation in Division 1 hazardous areas.



OLYMPUS turbine control panels based on PLC technology comprise all turbine control and protection functions, as for example: power turbine speed governing, compressor turbine exit or exhaust temperature governing, inference flame monitoring, variable compressor geometry control, fuel splitting and automatic changeover, lube pressure and temperature monitoring, and start sequencing.

The OLYMPUS turbine control panel can integrate controls for the driven equipment: generator, compressor, pump and instrumentation. It can also include additional monitoring of other systems, such as fuel treatment and storage, gas fuel compression, lubrication, pumps and cooling, waste heat boilers, intake air filtration and conditioning, motor controls, switchgear and starter systems.

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