

ES6006 Controls upgrade

Increase the functionality and reliability of your control system

energy

Engineered solution purpose

This engineered solution replaces equipment that may have become obsolete or unreliable. Functions such as fuel control, sequencing and driven equipment control can be integrated. System diagnostic trending can be enhanced and remote operation and data acquisition provided.

Applicability

All reciprocating gas engines, gas turbines and their driven equipment.

Technical description

Programmable Logic Controllers (PLCs) providing:

Fuel control

Sequencing

Compressor control including surge, flow or pressure control, and loadsharing

Generator control including megawatt loadsharing and synchronising

Monitoring, alarming, trending, instrument upgrades

Benefits

Unit reliability and availability are both improved whilst machinery monitoring, protection and diagnostics are all enhanced. Maintenance costs are reduced.

Experience

Cooper - GMV

Aramco - FT4

All Rolls-Royce models

Scope of work

The control system is upgraded to a modem based PLC.

Bill of materials

PLC

Control cabinet

FT-210

Application engineering software

Factory acceptance test

Undertaken

At site

Bundling opportunities

Instrumentation upgrade [\[ES6007\]](#)

Fire and gas detection / Suppression system [\[ES6009\]](#)

Exhaust temperature thermocouple upgrades

Fuel valves, MCC, UPS, Switch gear

