

ES6007 Instrumentation upgrade

Increase the functionality and reliability of your package instrumentation



Engineered solution purpose

This engineered solution improves the reliability and availability of the unit whilst increasing machinery monitoring and protection capabilities. Maintenance expenditure is reduced and diagnostic services improved.

Applicability

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

Technical description

Switches are converted to transmitters and low temperature thermocouples to RTDs. Vibration protection, exhaust thermocouples and unit wiring looms are upgraded. Local gauges are replaced with digital indicating transmitters and safety barriers are added where required.

Benefits

Package availability and reliability is improved and the capability to capture operational data is improved. Smart instrumentation that simplifies calibration, maintenance and troubleshooting is incorporated, if desired.



Experience

Unocal Platong/Satun - Avon
Marathon Oil Equatorial Guinea - 501KB
Pemex Atasta - RB211
HS Resources - MEP and Cooper engines
AEC Ecuador - 501KB, Avon
EON - Olympus

Scope of work

Change temperature, level and pressure switches and gauges to indicating transmitters. Change auxiliary system thermocouples to RTDs.

Bill of materials

Transmitters
Electrical wiring and conduit
Manifold valves, tubing and isolation valves
Orifice plates
Gauges

Undertaken

At site

Bundling opportunities

Complete package refurbishment [ES6001]
Controls upgrade [ES6006]
Conduit upgrade [ES6008]
Fire and gas detection / suppression system [ES6009]