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Engine inspection and repair

July 2011



TCL are now able to offer an inspection and repair service for a wide range of industrial and aero-derivative gas turbines. This complements the inspection services that TCL have provided for some years.

Traditionally repairs to many of the aero-derivative engines have been carried out off-site at the overhaul company's workshop. The reality is that many repairs can be carried out on site without the need for transporting the engine to a remote facility. This can result in a significant savings on the cost of the repair and the length of the plant outage.

The repairs are carried out under strictly controlled conditions in line with pre-developed procedures and include full NDT inspections and performance testing.

[click here to see full details of the inspection and repair service>>](#)

TCL Latest projects

July 2011



TCL have continued to secure projects for control system upgrades and enhancements throughout the world. These include working with new clients and also continuing our relationships with existing customers: -

Recently secured projects include: -

- RR Avon fuel system replacement for emergency generators operated by Fingrid, Finland.
- Control system upgrade and gas generator repairs for AngloGold Ashanti on a 10MW gas turbine generator, supplying emergency power for their gold mine near Fochville RSA (the deepest mine in the

world).

- RR Olympus liquid fuel changeover packages for operation on diesel fuel and bio-fuel.

With a full order book and a growing pipeline of enquires and tenders TCL are looking forward to another successful year ahead. We would like to thank all of our customers for their continued support and look forward to the successful completion of all current projects.

[click here to see new website>>](#)

TCL new products

July 2011



TCL are pleased to announce the development of a number of new products to allow more accurate control and monitoring of gas turbine plant. These products enhance the existing TCL range of monitoring equipment and will greatly assist operators in reducing maintenance costs and increasing plant availability.

RR Avon bleed valve position indication

Electrical indication of the open/close state of the bleed valve allowing remote monitoring

RR Avon VIGV position Indication

Variable Inlet Guide Vane position indication to permanently monitor operation

DC motor soft start systems for aero derivative gas turbines

Soft motor start of the DC starter motor enabling reduced mechanical and electrical system shock

Electrical actuation of engine bleed valves and VIGV's

Electrical actuators engineered to fit most types of gas turbine variable inlet guide vane (VIGV) and bleed valve systems.

[click here to see the TCL product pages>>](#),

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