

TURNER



CASE STUDY:

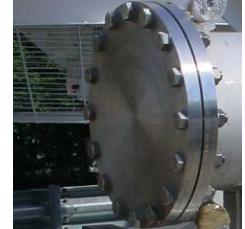
Turner Engine Powered Solutions

CUSTOMER/CLIENT:

Nexen Petroleum U.K. Ltd.

PROJECT:

To supply one 2000 Kw(e) multi-role diesel generating set for the Buzzard Field Development Platform. The multi-role capability permits three different modes of operation, the most critical of which is the emergency standby mode. In this mode, the generating set provides electrical power to the platforms' 990kW motor-driven fire pump. The other modes are essential services and black start operation



VALUE:

£1.5 million contract.

CHALLENGE:

The contract was for the supply of purpose-built equipment and rigorous string testing at Turner Engine Powered Solutions manufacturing facility, to be repeated at the fire pump maker's facility where the generating set and fire pump were tested together on varying load permutations. Equipment and contract performance were closely monitored at all stages.



SOLUTION:

The generating set was manufactured to exacting standards using world-class suppliers and technology (incorporating redundant capacity in the majority of systems) to ensure reliability and the continuity of supply in the most rigorous of offshore conditions in The North Sea. The set exceeded design expectations in all instances, including starting the fire pump comfortably within specification.



CLIENT BENEFIT:

The combination of specification, application and testing regime made the Buzzard Field Generator **unique**. Extensive use was made of stainless steel, exotic alloys and special paint finishing. Combined with years of experience in designing and packaging bespoke generating sets for this market sector, this will **enhance Service life and will reduce long-term maintenance costs**.

Turner Engine Powered
Solutions

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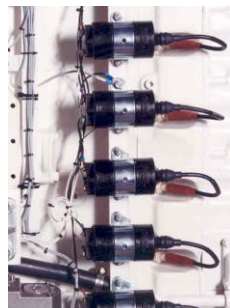
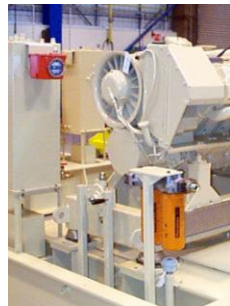
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Turner Engine Powered Solutions

Turner Engine Powered Solutions, (formally known as Tilsley and Lovatt Limited) is market leader in Diesel and Gas Power Generation.



Range of Services Include:

- Offshore Power Generation Plant
- Diesel & Gas Power Packages
- Offshore and Onshore Refurbishment
- Control Systems
- Specialist Services to Medium Speed Engine Users
- Diesel & Gas Engine Overhauls
- Maintenance Contracts
- Automatic Mains Failure Generating Plant
- Unmanned Platform Extended
- Running Generating Sets

Scope of Work:

- Service Contracts
- 24-Hour Breakdown Service
- Testing and Load Banking
- Repairs
- Warranty Repairs

Customer Portfolio Includes:

- Shell
- KBR
- Conoco Phillips
- Exxon Mobil
- Chevron Texaco