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INDUSTRIAL & MARINE  
TESTING SOLUTIONS

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17 MW  
INDUSTRIAL TEST FACILITY

## *CUSTOMER*

Siemens IndustrialTurbomachinery Ltd (SITL)  
Lincoln, UK

## *FACILITY TYPE*

17.5 MW Production and Overhaul

## *ENGINE TYPES*

SGT-300, SGT-400



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## DESCRIPTION

Complete turnkey design and supply of an Industrial Engine Test Berth. MDS worked with Siemens, in a phased approach, to first develop facility and test system specifications to meet rigorous requirements, develop efficient solutions, and provide value added costing to execute the agreed solutions. The facility incorporates state of the art MDS technology in the areas of engine handling and data acquisition to meet aggressive 72 hour engine turn around targets.

## SCOPE OF WORK

- ▶ Construction
- ▶ Aerodynamics and Acoustics;
- ▶ Inlet and Exhaust Systems;
- ▶ Driveline Components;
- ▶ Engine Handling and Docking Systems;
- ▶ Engine Adapters and Universal Transportation Cart;
- ▶ Fuel Measurement Systems (Liquid and Gas);
- ▶ Lubricating Oil System;
- ▶ Closed Loop Cooling Water System;
- ▶ Compressed Air System;
- ▶ proDAS Data Acquisition System;
- ▶ Facility Control System (PLC Based);
- ▶ Quick Connect Mechanical and Electrical Services;
- ▶ Load Absorption System; and
- ▶ Overall Project Management and Product Support.



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