

CUSTOMER

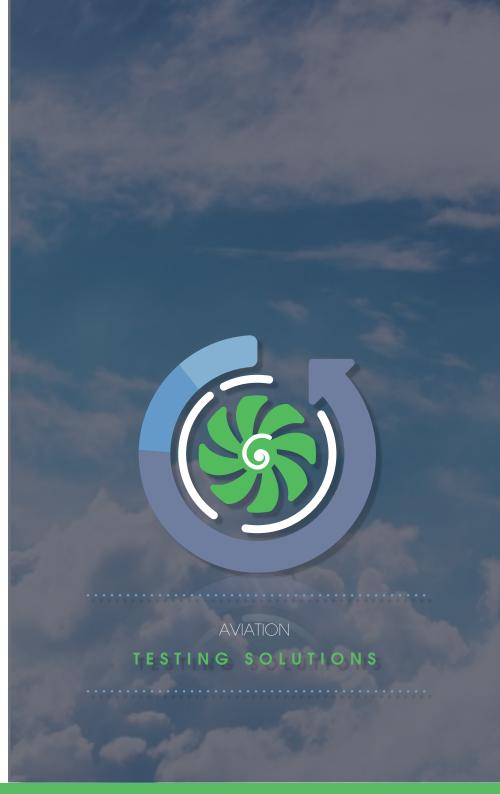
Royal Air Maroc Casablanca, Morocco

FACILITY TYPE

100,000 lbf Turbofan and 6000 shp Turboshaft/ APU Repair & Overhaul Gas Turbine Engine Test Facility

ENGINE TYPES

Turbofan: PW 2037, CFM56-3C, CF6-80C2, & ATAR 9K50 (a military engine with afterburner capability) Turboshaft/APU: PW120A, T56-A15-LFE, & Garrett APUs (GTCP 85-98Ck/-129, GTCP 36-280, GTCP 331-200





DESCRIPTION

MDS was responsible for all aspects of this turnkey project, including project management, architectural design, and facility construction.

This multi-test bed facility is now equipped for repair and overhaul testing of turbofan, turboshaft, and APU gas turbines.

SCOPE OF WORK

- Inlet and Exhaust Systems
- Quick engine change out capability
- 100Hz Steady-State and Transient Data Measurement
- Thrust Measurement System
- Monorail Engine Handling
- Engine Adapters
- Fuel Delivery and Measurement Systems
- Engine Start Systems
- Oil Inhibiting and Preservation Systems
- Hydraulic Lift Platform
- Engine Bleed Systems
- Compressor Wash System
- Load Absorption System including Dynamometer
- Instrumentation and Control System Wiring
- PLC-based Facility Control System
- Two EDAS Data Acquisition Systems
- Automated Engine Test Procedures
- Throttle System
- Trim Balance System

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