



AVIATION
TESTING SOLUTIONS

15 MW
TURBOPROP TEST FACILITY

CUSTOMER

MTU Maintenance GmbH
Ludwigsfelde, Germany

FACILITY TYPE

11,000 Shp Turboshaft Repair & Overhaul and
Research & Development Gas Turbine Engine
Facility

ENGINE TYPES

Europrop International TP 400 Engine



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DESCRIPTION

MDS was responsible for this complete turnkey supply of a turboshaft engine facility capable of quick engine change out.

SCOPE OF WORK

- ▶ Detailed Civil Design and Construction;
- ▶ Engine Test Systems;
- ▶ Engine Control Systems;
- ▶ Project Management, Documentation and Training.
- ▶ Aerodynamics and Acoustics;
- ▶ Inlet and Exhaust Systems;
- ▶ Load Absorption System (Dynamometer);
- ▶ Dynamometer Base Frame;
- ▶ Overhead Engine Handling System;
- ▶ Complete Fuel Storage and Delivery System;
- ▶ Engine Air Start System;
- ▶ Engine Oil Replenishing & Drain System;
- ▶ Cooling Water System;
- ▶ PLC-based Facility Control System;
- ▶ proDAS Data Acquisition System;
- ▶ Facility Water System;
- ▶ Fire Suppression System;
- ▶ Engine Test Procedures; and
- ▶ Throttle Control Systems.



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