





COMPONENT/SPECIAL TEST

TESTING SOLUTIONS

MULTI-AXIS THRUST MEASUREMENT (ROLLS-ROYCE)

CUSTOMER

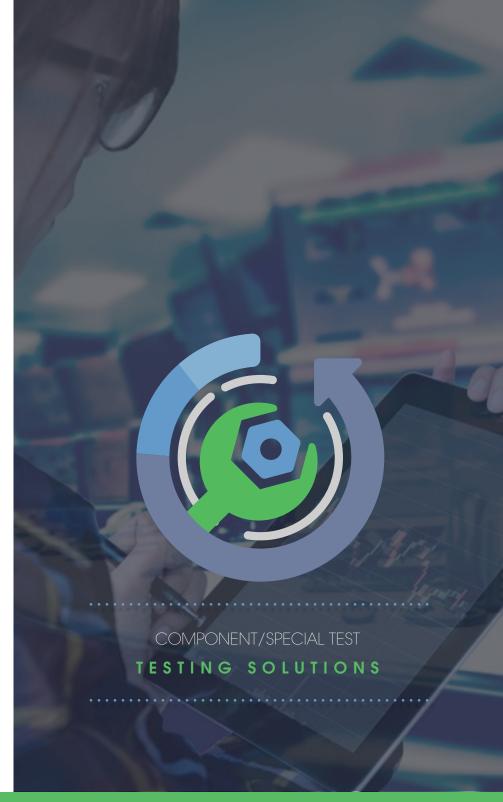
Rolls-Royce Indianapolis, USA

FACILITY TYPE

Multi-Axis Thrust Measurement

ENGINE TYPES

Short take-off and Vertical landing (STOVL) variants of the JSF Engine (PW F135 & Rolls-Royce Lift System).





DESCRIPTION

Design and supply of a JSF LiftFan electrical prime mover and multi-axis Thrust Measurement System for use in testing LiftFan component of the Short Take-Off and Vertical Landing (STOVL) version of the JSF Aircraft. This facility has been recognized as the first functional JSF LiftFan test facility.



SCOPE OF WORK

- Project Management;
- Electrical Substation;
- Speed Increasing Gearbox;
- Coupling Shaft;
- Driveline analysis;
- 6-axis Thrust Frame and Control System;
- Motor, Gearbox, and Torquemeter Lubrication System;
- JSF LiftFan test equipment;
- 30 MW Electrical Drive System; and
- 6-axis Thrust Measurement System rated at 25,000 lbs thrust, Thrust Frame and Control System.

MDSAERO.COM

