Gas Turbine Engine Maintenance, Repair and Fleet Management

Providing support for the full repair and overhaul of the engines and their accessories.
Northrop Grumman IDS has a wealth of knowledge and experience managing fixed and rotary wing aircraft propulsion systems. The team is dedicated to delivering outstanding gas turbine engine maintenance, repair and overhaul (MRO) services and has the ability to accommodate full-engine management, including condition monitoring and fleet management support.

Since 2002, our support capabilities available for full repair and overhaul of engines and accessories include:
- Full engine management
- Engine and component clean line
- Non-destructive testing (fluorescent penetrant and magnetic particle)
- Coordinate measuring machine
- Rotor and shaft balancing
- Component testing
- Bearing cleaning and inspecting
- OEM certified post-maintenance engine acceptance testing

Northrop Grumman IDS operates a range of engine test cells to certify all supported engine types. We have extensive, specialised component reclamation processes for the refurbishment and modification of all piece parts associated with engine and aircraft components at our Villawood facility in New South Wales.

Currently Supported Engines:
- **Rolls Royce**
  - T56-A14, RAAF AP-3C Orion
  - T56-A15, RAAF C-130H Hercules
  - ADOUR MK871-05, BAE Hawk 125 and 127 for the Royal Australian Air Force and NATO flight training centre
- **Pratt and Whitney**
  - PT6A-62 and propeller, RAAF PC9M
- **Level 1 Engine Line Maintenance Capabilities for:**
  - CFM56-7A (B737 BBJ)
  - CF34-3B (CL604)
  - CF-6-80E (KC-30A)

Northrop Grumman IDS is proud to continue to support the Commonwealth of Australia’s and the Air Force’s mission of providing air and space power for Australia’s security. Northrop Grumman IDS holds OEM Accreditations, internationally recognized Quality Systems Accreditations as well as multiple RAAF accreditations for Authorized Engineering Organisation (AEO) and Approved Maintenance Organisations (AMO).

Northrop Grumman is a leading global security company providing innovative systems, products and solutions in unmanned systems, cyber, C4ISR, and logistics and modernization to government and commercial customers worldwide.

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