

# World Class Turbine Engine MRO

## Turbofan & Turboshaft Engines

TAE is Australia's No 1 provider of quality support solutions for military turbofan and turboshaft engines.

We support the GE F404, GE F414 and Honeywell AGT1500 engines for various customers in the Asia Pacific region and have been assigned as the MRO and Upgrade provider for the Pratt & Whitney F135 engine that powers the F35 Lightning II Joint Strike Fighter.

The services we deliver always exceed our customers' expectations.

**OEM Partners – General Electric, Honeywell and Pratt & Whitney**

Discover all the ways we keep you flying at  
[www.tae.com.au](http://www.tae.com.au)

Find us on Facebook at  
[www.facebook.com/TAE.Australia](http://www.facebook.com/TAE.Australia)



# TAE

Proudly 100% Australian owned and operated

Contact our business development team:

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## OUR SERVICES

### ENGINEERING

We employ Australia's largest and most experienced propulsion engineering group to provide:

- Engine fleet management
- Engine life management and optimisation
- Non Standard Repair design to avoid significant program costs
- Reliability and condition monitoring (RVI, SOA, WDA, VA and GPA)
- Configuration Management
- Support equipment design
- Engineering training

### ENGINE TEST CELL DESIGN, UPGRADE AND SUPPORT

TAE has the ability to deliver cost effective, highly capable, multi-use/ reuse test solutions that are tailored to customer needs and fully compliant with OEM requirements. Our test cells are built to last and fully supported throughout their service life:

- Ability to work with multiple engine types and multi-use test facilities (Turbofan, Turboshaft and Turboprop)
- User friendly data acquisition & analysis solutions
- Engine and facility control software
- Control cabin, thrust frame and engine adaptor installations
- Fuel storage, filtration and flow measurement
- Safety systems
- Personnel communication systems
- Post installation calibration, correlation & verification
- Technical manuals including Operation, Calibration and Maintenance

### MAINTENANCE, REPAIR, OVERHAUL AND UPGRADE

TAE is the leading provider of military turbofan and turboshaft engine MRO&U services in Australasia. Our focus on continuous improvement delivers high engine reliability outcomes, reduced operating costs and provides best possible on wing performance and safety:

- Engine, module and component heavy maintenance, repair, overhaul and upgrade
- Intermediate maintenance and field support at the customer's operating base
- Precision rotor balancing
- Bearing cleaning, inspection and preservation
- Computer controlled engine testing
- Metrology and technical investigations
- Non-Destructive Testing (FPI, MPI, ECI)
- Material recovery and repair (welding, heat treatment and machining)
- Automated and manual shot peening
- Support equipment manufacture, maintenance and calibration
- Technical training (On the Job and formal for maintenance technicians)

### MATERIAL MANAGEMENT

Through the employment of subject matter experts, TAE offers a complete supply chain solution:

- Specific to needs Warehousing and Distribution centres, at all operating sites
- OEM relationships provide strong material supply networks
- Dedicated procurement teams providing compliant Fleet Logistics Management, Stock Item Ownership, Codification and Category Management, Corporate Governance and Import/ Export compliance
- Management and traceability of aeronautical product via ERP system
- Manage customer owned property via dedicated inventory management process

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