



*Rely on us to keep you flying*



**"I have been dealing with companies similar to TAE Aerospace for a long time. Never have I come across one that is as easy to deal with, and knows what they are doing, as much as the team at TAE Aerospace. I give them 10/10 for service and understanding our needs."**

Dave Porter, Chief Engineer, Seair



# our FOCUS

## QUALITY, SAFETY AND SERVICE

TAE Aerospace provides timely and efficient support to customers worldwide. With operations across the globe, our focus on quality, technical excellence and customer service has enabled us to form strong partnerships with customers and OEMs.

To ensure quality, safety and peace of mind, we maintain a broad suite of regulatory approvals and long-term partnerships with multiple OEMs.

To keep you flying, we are committed to 24/7 response times, efficient parts supply and diligent after-sales service.

Commercial aerospace operators and defence forces expect the highest standards of quality, safety and service. We aim to surpass these expectations every time.

*You can rely on us to keep you flying.*



# our customer **LOCATIONS**

With customers located  
on every continent  
around the world,  
TAE Aerospace is your  
global MRO partner.



# our CUSTOMERS

Our customers include commercial airlines, defence forces, skydive, freight and cargo, charter, tourism, agricultural, firefighting, and general aviation operators around the world.

We are proud to have earned a reputation for quality and technical excellence among the biggest names in the industry. We are proud to partner with organisations including:

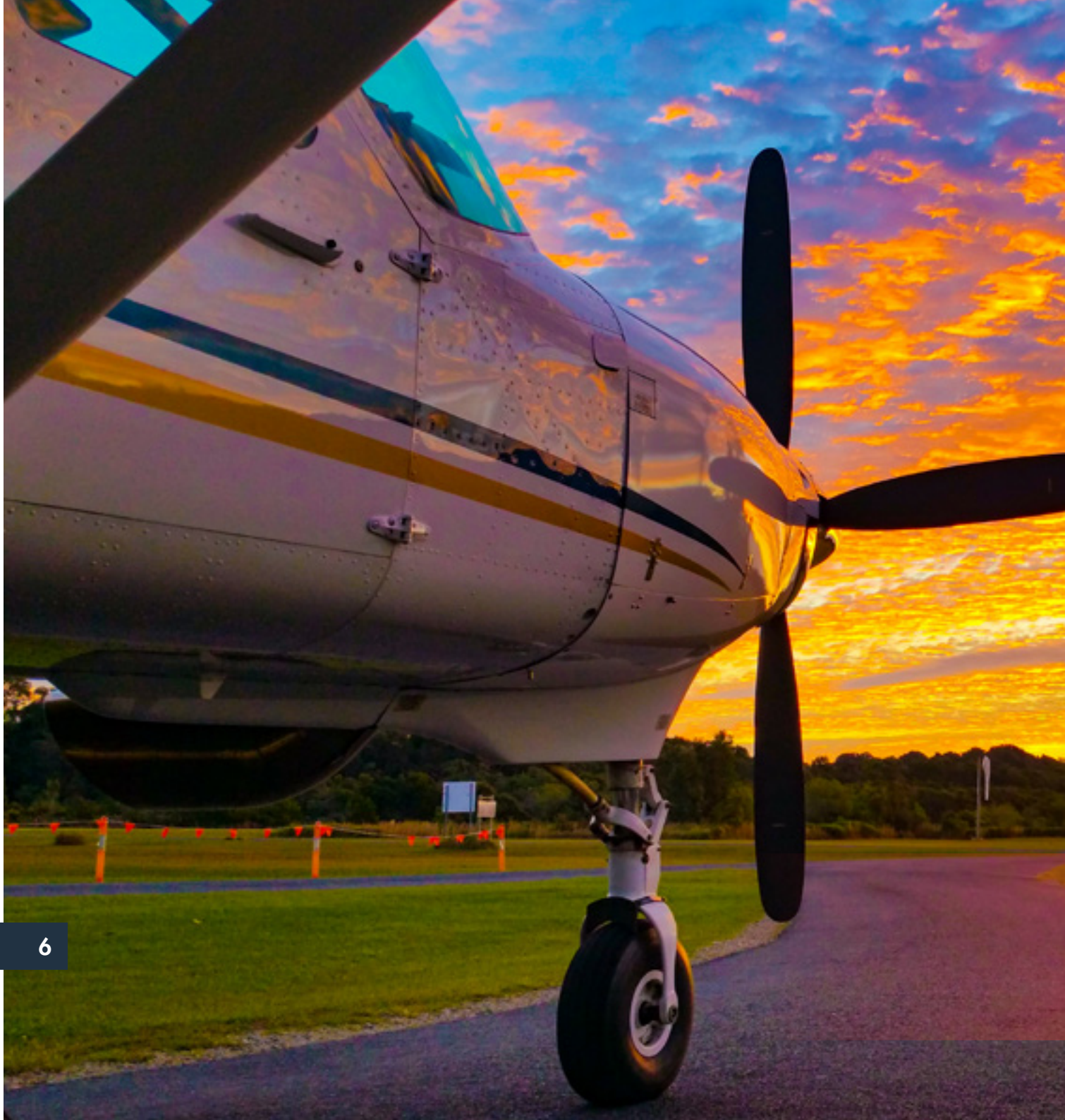
- Aero Logistics
- Aircalin
- Aircraft Maintenance Netherlands
- Air Rarotonga
- Air Spray
- Agforce Aerial
- Alaska Seaplanes
- Alaskan Air
- Alaska West Air
- Alkan Air
- Ameriflight
- Babcock Canada Inc.
- Bald Mountain Air
- Bering Air
- Bighorn Airways
- Bridger Aerospace
- Bruce Flying Service
- Buffalo Airways
- Cal Fire
- California Aerofab
- CarsonAir
- Chartair
- Clearwater Air
- Col Adams Aerial
- Colombian Air Force
- Conair Aerial Firefighting
- Conoco Phillips
- Daily Air
- Edlund Decosse International
- Experience Co.
- Flightline
- Government of Saskatchewan
- Haley Flying Service
- Hardy Aviation
- Hawke Ag Aviation
- Island Air Express
- Jetcor Aviation
- Kiwi
- Neptune Aviation Service Inc.
- Nomad Air
- Peruvian Air Force
- Precision Aerial
- Red Baron Ag Service
- Reeve Air Alaska
- Remote Imagery
- Rimbur Air
- Ryan Air
- Security Aviation
- Sharp Airlines
- Sierra West Airlines
- Sita Air
- Skippers Engineering
- Skycare Air Ambulance
- Skydive Arizona
- Skydive Auckland
- Skydive Elsinore
- Skydive Guan
- Skydive Jurien Bay
- Skydive Oceanside
- Skydive Santa Barbara
- Skytraders
- Sojitz Aerospace
- Summit Air
- Talofa Airways
- Thunder Airlines
- Tintina
- Ward Air
- West Star Aviation
- Wings Airways
- Vertex Aerospace – US Navy
- Yeti Airlines

# our APPROVALS

Our regulatory approvals support the quality and safety of the product we deliver.

- ISO9001:2015
- AS9100D for Aerospace Manufacturing and Aerospace Engineering
- DASR Part 145 and Part 21
- CASA Part 145
- FAA Part 145
- EASA Part 145
- Approved Maintenance Organisation approvals from:
  - ANAC (Argentina)
  - CAA (Taiwan)
  - CAAP (Philippines)
  - AFAC (Mexico)
  - CAAC (China)
  - DGCA (Indonesia)
  - CAA (Sri Lanka)
  - CAAN (Nepal)
- Honeywell
  - Authorised TPE331 repair and overhaul facility
  - AWARS (Honeywell Authorized Warranty and Repair Station)
- GE Designated Repair Centre
- Woodward approved Fuel Systems and Prop Governors









# our SERVICES

Aviation customers worldwide rely on us for 24/7 support for:

- Engine and component MRO
- Technical and field service support
- In-house training courses
- Engine, component and parts sales
- Airline wheel and brake MRO
- Fire protection and rescue systems

**“Thrush Aircraft and Australian Ag operators hold TAE Aerospace in high regard for the high quality and timely work they perform.”**

Eric Rojek, Vice President, Thrush Aircraft Inc.

## COMMERCIAL ENGINE MRO

# HONEYWELL TPE331

As the largest Honeywell TPE331 Channel Partner globally, TAE Aerospace is unmatched for OEM parts pricing.

With the lowest pricing on OEM parts, TAE Aerospace is your global one-stop-shop for TPE331 engine and component maintenance, repairs, parts supply, training, technical and field service support.

We specialise in the overhaul, repair and maintenance of the Honeywell TPE331 turboprop engine, from -1 through to -15 for commercial, defence, skydive, freight and cargo, charter, tourism, agricultural and firefighting customers.

TAE Aerospace is the world's largest TPE331 engine service provider covering engines, LRUs, fuel controls, engine component repairs and parts supply.

We operate Honeywell Authorized MRO facilities in:

- Adelaide, South Australia;
- Scottsdale, Arizona;
- Midvale, Idaho; and
- Anchorage, Alaska.

Our Honeywell-trained technicians have expertise in all maintenance areas, OEM approved tools and NDT capability, which ensures consistent maintenance integrity.

With multiple Airworthiness Approvals from around the world, and OEM correlated dynamometer test cells and prop stands for pre- and post-maintenance testing, vibration analysis and performance runs, we ensure you get the best from your TPE331.





**Originally designed in 1959 and certified in 1965, the TPE331 was the first turboprop engine. Developed for multiple applications within military, regional airlines, agricultural and general aviation aircraft, the series now includes 18 engine models and 106 configurations.**



**TAE Aerospace is committed to providing the best engine performance, unmatched OEM parts pricing and customers experience.**

# COMMERCIAL ENGINE MRO

## HONEYWELL TPE331

We are committed to providing the best engine performance and customer experience.

### TPE331 CAPABILITIES

- Engine overhaul and repair
- Data downloads
- Logbook reviews/research
- S/B and AD compliance
- CAM inspections
- Vibration survey and analysis
- LRUs overhaul, repair and exchange
- Compressor refurbishment
- Hot Section Inspections (HSI)
- TBO extension
- Maintenance Service Plan (MSP)
- Engine data management
- Periodic inspections
- Compressor section restoration
- Gearbox inspections
- Corrosion repair
- Test stand performance validation
- Rental engines
- Dynamometer engine testing  
*(Adelaide, South Australia)*
- Test stand *(Scottsdale, Arizona)*
- Performance evaluations for low power
- Engine systems diagnostic services
- Torque system calibration *(LeBow)*

### OTHER SERVICES

To keep you flying, our Honeywell-approved service facilities also include:

- Comprehensive fuel control maintenance and exchange services (fuel, air, electric and hydraulic)
- TPE331 turbine fuel nozzle maintenance facility
- Large rental pool of TPE331 engines, modules and components
- -10 engine conversions for Cessna Conquest II and Dornier 228
- Large inventory holdings to minimise turn times
- On-call field service capability for on-wing repairs across the world
- 24/7 technical support
- TPE331 engine sales
- TPE331 technical training
- Agricultural aviation services

TAE Aerospace is also a Woodward-approved Licensed Repair Services Facility (LRSF) for Honeywell TPE331 turbine engine fuel controls and governors.

## COMMERCIAL ENGINE MRO

# PRATT AND WHITNEY PT6A

From field service to overhaul, we provide a complete service for your PT6A engine.

Our team specialises in the overhaul, Hot Section Inspection (HSI) and repair for Pratt & Whitney's PT6A engine.

Operators are supported with on-call field service, 24/7 technical assistance and our OEM correlated 2,500 HP dynamometer test cell for pre- and post-maintenance testing.

### PT6A CAPABILITIES

- Complete engine overhauls
- Hot Section Inspections and repairs
- Ability to fit PMA/DER parts if desired for additional savings
- "Zero Grind" CT vane and CT wheel assemblies to save on wing grinding post hot section repairs
- Gearbox inspections and repairs
- Compressor repairs and refurbishment
- Engine performance restoration
- On-site hot section repairs
- Fuel nozzle clean and test
- Comprehensive after hours/AOG technical and spares support
- Large spares support
- Unscheduled repairs
  - Foreign object damage (FOD) repairs
  - Oil system contamination inspections
  - Lightning strike inspections
  - Abnormal deceleration inspection (prop strike)
- Insurance repairs
- Corrosion repairs
- In-house overhaul of PT6A fuel control units – Honeywell and Woodward
- NDT services
  - Magnetic particle
  - Fluorescent penetrant
  - Eddy current
- Service bulletin incorporation
- Engine rigging
- Rotatives balancing

### ENGINE TESTING

- Dynamometer engine testing
- Performance evaluations for low power
- Vibration analysis

## OTHER SERVICES

Our quality maintenance services include:

- Turbine fuel nozzle maintenance facility for the PT6A engine nozzles
- Comprehensive PT6A fuel control and propeller governor maintenance and exchange services
- Large rental pool of PT6A engines, modules and components
- On-call field service capability
- 24/7 technical support
- In-house NDT services
- Engine sales
- Agricultural aviation services

TAE Aerospace is now a Woodward-approved Licensed Repair Service Facility (LRSF) for the Woodward Fuel Control Unit (FCU) range for the PT6A large engine series.

Our new approval complements our long-standing Honeywell-approved AWARS FCU work for small to medium PT6A engines.





**High quality engine maintenance  
and timely technical support  
are paramount to keeping you flying.**



## COMMERCIAL ENGINE MRO

# GE H80/M601 SERIES

We are a GE Aviation Designated Repair Centre for the H80 series of engines and existing M601 engine fleet.

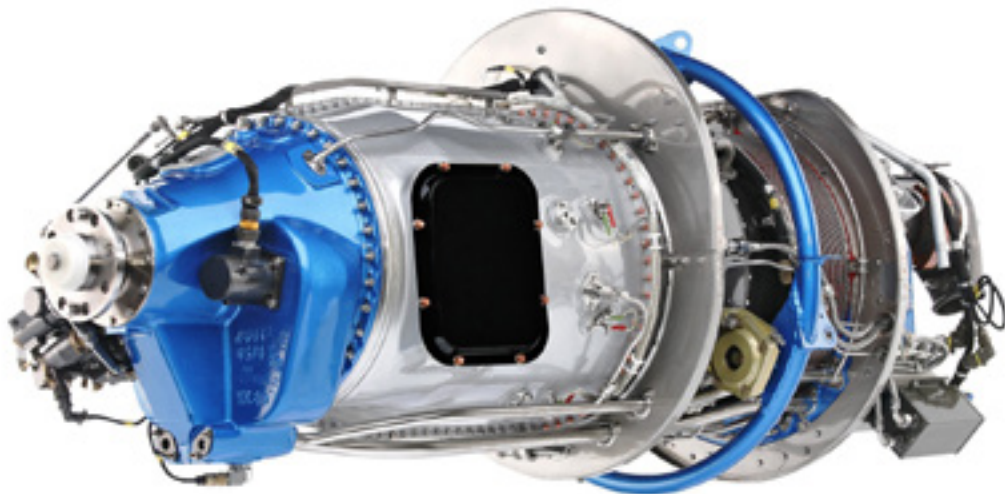
The H80 series engine's unique design provides more than just performance. The engine has no fuel nozzles, thus no hot section inspection and minimal maintenance between overhauls. This means operators can devote more time to their missions in the air.

We understand high quality engine maintenance and timely technical support are paramount to ensure the powerful performance of your GE H80/M601 series engines.

It's what we know and what we do best!

### GE H80/M601 SERVICES

- Maintenance, repair and overhaul
- CASA and an FAA-approved engine test capability that is now correlated by GE
- Access to a large rental pool of H80 engines, modules and components
- On-call field service capability and 24/7 technical support
- Engine sales



# FUEL CONTROLS AND COMPONENTS

TAE Aerospace offers a wide range of MRO services for fuel controls and governors. Our reputation among customers and global partners is for world-leading turn times, quality and customer service.

With approvals from both Honeywell and Woodward, our Licensed Repair Services Facility for TPE331 fuel controls is the only one in the world.

## HONEYWELL AUTHORIZED WARRANTY AND REPAIR STATION (AWARS)

Fuel Control Units and Power Turbine Governors are the mainstay of the fuel system components we maintain. We support fixed and rotary-wing customers with:

- Honeywell LTS101 components from 600 HP to 850HP
- Pratt & Whitney PT6A series from -11 to -62 and all T3 and T6 series
- Torque controls and limiters
- Rolls Royce M250 series I to IV, B15 to C30

## WOODWARD CERTIFIED COMPONENTS

We are the only facility in the world authorised to carry out repairs and overhauls on the Honeywell TPE331 Main Fuel Control.

We are also a Licensed Repair Services Facility for fuel controls for the Pratt and Whitney PT6A-52 to 60 and PT6A-64 to 67 engine series.

In addition, we support overspeed, combined and propeller governors as well as hydraulic governors for both the TPE331 and PT6A engine series.

**“The TAE Aerospace team understand what we need and how we work, and they help us solve problems to keep our customers happy.”**

Campbell Biggs, Owner, Statewide Aviation





We are the only company  
in the world with approvals from  
both Honeywell and Woodward  
for TPE331 fuel controls.

An aerial photograph of a red and white helicopter flying over a sandy beach and ocean waves. The helicopter is positioned in the center-left of the frame, flying towards the bottom left. It has a white body with red and white striped patterns on the rotor hub and tail boom. The rotor blades are blurred, indicating motion. The beach is a light tan color, and the ocean waves are white and foamy, breaking on the right side of the image. The overall scene is captured from a high angle, looking down at the helicopter and the coastline.

**Our leading engine component maintenance facilities for fixed and rotary wing aircraft are based in Asia-Pacific and the USA.**

## ENGINE COMPONENT MAINTENANCE

Our leading engine component maintenance and repair facilities are located in Adelaide, Australia, and Scottsdale, Arizona in the United States.

As a Honeywell Authorized Warranty and Repair Station (AWARS) and Woodward Licensed Repair Services Facility (LRSF), with multiple Part 145 approvals, our engine component repair facilities are unique in the world.

Our broad capability includes:

- Turboprop and turboshaft fuel control units approved for Honeywell (TPE331 and LTS101), Pratt & Whitney Canada (PT6A, PT6T) and Rolls-Royce (M250)
- TPE331 Line Replaceable Units (LRUs) approved under Honeywell APIL41
- Propeller pitch controls
- Fuel pumps and shut-off valves
- Propeller and overspeed governors
- Power turbine governors
- Constant speed units and overspeed governors
- Torque sensors, limiters and controllers
- Flow dividers and regulators
- EEC and SRL computers

We can also exchange:

- Fuel controls
- Fuel pumps
- Flow divider valves
- Start flow controls
- Fuel nozzles

## PARTS REPAIR

Parts repair and refurbishment expertise saves you money. Our Aerospace Machining Centre enables us to 'make the old like new'.

Our machine shop capabilities include aerospace machining and repairs for TPE331 authorised under Honeywell APIL41, including:

- DER approved gearbox, diaphragm and housing repairs and modifications
- IRM overhaul manual inspections and repairs
- Balancing of wheels and impellers
- Non-destructive testing

## FUEL NOZZLES

We are a CASA, FAA and EASA approved turbine fuel nozzle maintenance facility with capability for the Honeywell TPE331, Pratt & Whitney Canada PT6A and PT6T.



# AVIONICS

Our customers benefit from lower cost per overhaul and more flight time between scheduled services. We offer extensive repair and overhaul capability for Single Red Line (SRL) and Electronic Engine Controller (EEC) computers.

## STARTER GENERATORS

Fixed and rotary wing aircraft operators rely on us for OEM-backed maintenance, repair and overhaul of their engine starter generators. Customers benefit from lower cost per overhaul and more flight time between scheduled services, due to our renowned quality and experience. We support starter generators in the 200/250/300/400 AMP range for engines including TPE331, PT6A, PW100, CT7, JT15D, and DHC8, with new capabilities being added regularly.

Skurka part number series:

- 150SG
- 200SG
- 300SG
- 200SGL
- 250SG
- 300SGL

Safran part number series:

- 23032
- 23079
- 23081
- 23046
- 23080
- 23088
- 23048
- 23081
- 30081
- 23078

## ELECTRICAL

- Single Red Line
- Electronic Engine Controller





**Our customers benefit from lower cost per overhaul and more flight time between scheduled services.**



**Our experienced fire protection and rescue team supports a wide range of commercial aviation customers.**



# FIRE PROTECTION AND RESCUE

Our experienced fire protection and rescue team supports a wide range of commercial aviation customers, including major airlines.

We are the Collins Aerospace authorised representative for Kidde Aerospace fire protection equipment and a range of other Collins Aerospace OEM products in Australia, New Zealand and much of Asia.

We provide sales, product support and MRO services for Kidde fire protection equipment and suppression systems. Our Kidde fire protection and suppression systems support the following aircraft types amongst others:

- A320
- A330
- B717
- B737
- B777
- B787
- Q400
- Saab 340

In addition to fire protection products for commercial aircraft, we are also the Regional Service Centre for Winslow life rafts, providing MRO, sales and product support for aviation and maritime rafts. Winslow has a tradition of excellence for over seventy-five years, combining superior quality and a wide array of standard features with unmatched performance.

We are also a reseller of the entire product range of Goodrich hoists and winches and can also manage any maintenance requirements you have on such products.





**"We are excited to partner with TAE Aerospace on the F135 engine program. We have always been very impressed by their engineering and maintenance capabilities."**

Kevin Kirkpatrick, Vice President Military Engine Sustainment Operations,  
Pratt & Whitney



# our **DEFENCE** SERVICES

Defence customers worldwide rely on us for:

- Aerospace engine MRO
- Military wheel and brake MRO
- Aerospace engine test cell design and upgrade
- Specialised engineering
- Advanced manufacturing
- Fire protection and rescue systems

The quality of our work and our commitment to excellent service has resulted in many awards over the past decade, including the prestigious Defence Contractor of the Year (2021), and the Essington Lewis Award for the Land 907-1 Tank Replacement Project with the Australian Army.



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