

# TP400-D6



**COMMITTED TO MEET NEW ZEALAND  
DEFENCE FORCE'S FUTURE CHALLENGES**

**EUROPRO**  
International

To face an evolving strategic environment, the **Royal New Zealand Air Force** has demand for an **integrated Air Mobility solution**.

With **operational flexibility** as one of New Zealand Defense Air Force's requirement, the Air Force will be required to meet a broad range of contingency missions across diverse geographical and operating environments.

To support New Zealand's operational deployments, the TP400-D6 engine provides **performance, reliability and maintainability** in the harshest environments.

Powering the most advanced, proven and certified airlifter available, the **TP400-D6** engine stands out with its unique power and innovative features.



### **FLYING FASTER**

With an output of **11,000 shaft horsepower**, the TP400-D6 engine is the most powerful turboprop engine in production.



### **FLYING HIGHER**

Thanks to its TP400-D6 engine solution, the A400M can operate **up to 40,000 ft.**, directly to the point of need.



### **FLYING LONGER**

The proven efficiency of the turboprop provides the capability for the A400M to fly distances **up to 4,800 nm** (8 900 km) and deploy immediate support to operations theatres.

**1<sup>ST</sup> MILITARY ENGINE**  
to be fully certified by EASA

**400+**  
engines delivered

**140,000+**  
engine flying hours





Antarctica

With its high autonomy of 4,800 nm (8,900 km), **the TP400-D6 provides a greater range to your operations.** It is an asset which enables the A400M to fly from Christchurch to Antarctica with a load of up to 14 tonnes and safely return back to New Zealand if the weather do not permit a landing at McMurdo (Point of Safe Return).

→ **DISTANCE:**  
4,800 nm



**PAYLOAD:**  
14 tonnes





## South Pacific and Middle East



To fulfil requirements to operate into unstable and potentially hostile environments, the **TP400-D6 is designed as a robust and damage tolerant engine**, key to the A400M's capabilities to **take-off and land on unpaved runways**. Capable of steep descents and high rates of climb, the TP400 is an asset for tactical operations such as low level flight, airdrop or extreme manoeuvres.

With the new-generation airlifter's proven performance in hot and high power operations, the **New Zealand Air Force is able to respond to regional or international security crisis such as South Pacific and Middle East operations**.



## DEPLOYING AID AND FORCES ACROSS LARGE DISTANCES

From humanitarian assistance to disaster relief, the need for long range and oversize payload of the NZDF operations requires a highly capable and versatile aircraft. **Providing a high proven range and unique power, the TP400-D6 engines allow the A400M to supply large scale air logistic support.**



“GRIZZLY02» on the ramp at BVI with @RoyalNavy Junglies helping rebuild and recover devastated British territories @RAFBrizeNorton ”



1



24



52



“ Working alongside @Canada in the caribbean, these aircraft are making easy work of the short runways, going where others can't #Maria #Irma ”



1



29



98

In September 2017, Operation RUMAN, the UK RAFs joint humanitarian aid provided assistance to hurricane Irma victims in the Caribbean Islands. Around the clock aircraft delivered medical teams, transport for rescue, emergency food, water and shelter **directly to the point of need.**



# MEETING TODAY'S ENVIRONMENTAL EXPECTATIONS

New Zealand has a strong interest in the preservation of the natural environment in Antarctica and South Pacific region. To minimize its environmental footprint, Europrop International is proud to manufacture an engine with reduced fuel burn and emissions.



## LOW FUEL CONSUMPTION

(at take-off, 32L/min and in cruise, 21.5L/min)



**24%** below the ICAO limit on smoke emissions



**44%** below the ICAO limit on Nox emissions

## ENHANCING LOCAL SUPPORT SOLUTIONS

Close to its customers; Europrop International forges a global network of support by working closely with aerospace local players. Since 2015, **our partner Global Turbine Asia provides TP400-D6 support to the Royal Malaysian Air Force.**

Thanks to ITP Aero, MTU Aero Engines, Rolls-Royce and Safran Aircraft Engines, **EPI leverages all of its partner companies' network and expertise to support customers wherever they may be.**

With the ambition to be recognized as a NZDF partner, Europrop International is willing to create shared-value opportunities by working with local industry and to develop an integrated partnership.





# OUR CUSTOMISED SUPPORT SOLUTIONS

Committed to mission success, EPI offers a range of advanced, value-for-money support service options. Through the understanding of the NZDF operations, and with the intelligence gained from global fleet operations, **EPI is dedicated to customize solutions to meet the NZDF's needs.**

## TIME AND MATERIAL

Traditional support service

Recommendation of a customized hardware and service package to support and build capabilities on the TP400-D6 engines.

## SPARE AVAILABILITY

Advanced support service

- Availability of spare parts on base
- Replenishment of ML1/ML2-On parts
- Repair of LRUs on behalf of the NZDF

## SPARE AVAILABILITY PLUS

Premium support service

Support operations by securing certain availability of spare engines on base. This premium service covers engine and LRU repairs on behalf of the NZDF.

**For more information about EPI's tailored services,  
please contact:**

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