



# SAFRAN AND THE AIRBUS A400M

The new airlifter by Airbus Military is designed to handle both tactical and strategic missions.

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■ Versatile and responsive

Europe's new military transport aircraft, the Airbus A400M, made its first flight on December 11, 2009. Fourteen companies in the Safran group are contributing to this new airlifter, especially for its TP400 turboprop engine being produced by the Europrop International consortium. Capable of short takeoffs from unprepared airfields, and certified to fly in civilian airspace, the A400M is a very versatile aircraft. It is also a high-capacity airlifter, capable of carrying 37 metric tons of freight, or 116 troops, or two Tiger helicopters - giving it a pivotal future role in the armed forces of the eight countries that have ordered the A400M to date.

**1. Cockpit**

Group company Sagem designs and produces the GPS Air Data Inertial Reference System (GADIRS), a major part of the A400M's navigation system.

**2. Landing system**

This photo shows the airplane's main landing gear under test at Group company Messier-Dowty, in Vélizy, near Paris. Safran also supplies the wheels and carbon brakes on the A400M.

**3. TP400 under test**

The huge TP400 turboprop on Snecma's open-air test cell in Istres, southwest France.

Four of these engines will power each A400M.

**4. FADEC**

Bench test of a FADEC 3 full authority digital engine control for the TP400, at Group company Hispano-Suiza's Villaroche plant near Paris.

**5. Wiring**

Wiring bundles for the A400M's nose are produced at Group company Labinal's plant in Villemur, southern France.

**6. Multirole**

In addition to its military role, the A400M is also designed for a wide range of humanitarian missions.