



## Manufacturing Engineering

# Planning, production control and REC components management for the **A400M FAL**

Airbus Military / Planning and production control (2013-ongoing)



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AERTEC Solutions is involved in the planning and production control service of the A400M FAL's REC (Rework Electrical Centre). It also performs the planning and production control for the work transferred from IFA (work transferred from Germany to the FAL in Seville).

The A400M was conceived as a transport aircraft to carry a greater payload and replace the C-130 Hercules and the Transall C-160.

It can be used with a variety of configurations:

- In-flight refuelling
- Cargo transport
- Troop transport
- Medical evacuation
- Electronic surveillance



Preferred manufacturing engineering supplier (ME3S) for Airbus





# Manufacturing Engineering

## Work phases

- Viewing repositories where information is managed
- Data gathering
- Contact with client understand their priorities

## Scope of work

- Planning of work tasks and new IFA tasks
- Macro-instructions for easier management
- Logistics management of the materials needed to perform IFA work tasks
- Warehouse management of the materials to perform IFA work tasks
- Load/cap. analysis per aircraft, area and type of resource
- Updating lean manufacturing panels
- Analysis of the planning's feasibility based on available resources (human, material and technical)
- Coordination with the other departments involved in the project
- Issuing production orders
- Delivering orders to production
- Monitoring the orders' progress
- Drafting safety reports for each aircraft and area
- Incident management
- Closing orders
- Planning with external and internal suppliers
- Management, planning and monitoring of kits in REC
- Planning with suppliers and internal staff
- Components management and monitoring missing components in REC production
- Warehouse management of REC components and kits
- Incident management
- Coordination and planning with other REC departments
- Analysis of kit management and missing components for client

## A400M / Technical data

**Crew** 3 or 4 (2 pilots, 1 optional flight engineer, 1 loadmaster)

**Capacity** Cargo transport: 340 m<sup>3</sup>/  
Troop transport: 116 fully equipped troops or paratroopers/ Medical evacuation: 66 stretchers and 25 medical personnel

**Payload** 37t

**Length** 45.1m

**Wingspan** 42.4m

**Height** 14.7m

**Empty weight** 70,000kg

**Operating weight** 37,000kg

**Maximum take-off weight** 141,000kg

**Maximum landing weight** 122,000kg

**Power plant** 4× EuroProp International TP400-D6 turboprops, power: 8,203kW (11,000 hp; 11,153 CV) each at sea level

**Propellers** 1× 8-bladed Ratier-Figeac FH386 made with composite materials per engine

**Propeller diameter** 5.33m

**Fuel capacity** 50,500kg internally

**Dimensions of cargo hold** 17.71m × 4m × 3.85m (length × width × height)

**Runway with** 6.2m

