

LTQ Engineering

LTQ Engineering is a 50:50 joint venture company of Qantas Airways and Lufthansa Technik established in 2008. Located close to the Melbourne International Airport, LTQ Engineering specializes in engine maintenance with a current focus on CF6-80 and CFM56 turbofans.

Service spectrum

As an engine overhaul company, LTQ Engineering avails of an engine shop offering state-of-the-art equipment required to overhaul modern turbofans. The shop's capabilities include everything from grinding to balancing machines to heat treatment and NDT facilities. Prior to delivery to the customer, engines are checked out in the test cell which can accommodate turbofans with up to 100,000 lbs of thrust. The test facility is equipped with the latest technology and fully integrated control, instrumentation, data acquisition and analysis systems. The employees of LTQ Engineering have extensive, worldwide experience in jet engine overhaul, ensuring the highest standard of quality. The LTQ facilities are purpose-built and certified to the highest levels. In addition to complete engine overhauls, numerous individual work packages such as borescope inspections, module changes, hot section inspections, trouble shooting and repair activities are also part of the company's portfolio. LTQ is also engaged in component services, performing overhaul of flap tracks and carriages for the Boeing 747, among others.

In focus: New engine type and AST®

As the first company within the Lufthansa Technik Group, LTQ Engineering has been granted overhaul approval for CF6-80E1 engines by the Australian Civil Aviation Safety Authority (CASA). In line with Lufthansa Technik's philosophy "closer to the customer", operators of the Airbus A330/CF6-80E1 engine airframe configuration in the Australasian region now have local access to this capability. In a related move, LTQ Engineering has become the home of another Airline Support Team (AST®), Lufthansa Technik's "Flying Doctors". Trained and fully equipped to deliver on-site or even on-wing engine support, the AST® team provides extremely efficient repair solutions by avoiding the trouble and expenses associated with a shop load event.

Outlook

Adopting principles of Lean production, LTQ Engineering's engine shop is currently restructured according to the flowline principle to enhance productivity and reduce turnaround time. As well as expanding its engine overhaul activities, the company will also offer new products and services. With comprehensive machining capabilities and a first-class electroplating shop already available, overhaul and repair of further aircraft components is in the offering.



Key facts

Founded	2008 (2004 as Jet Turbine Services)
Personnel	205
Shareholders	Qantas Airways Ltd. (50 percent) Lufthansa Technik AG (50 percent)
Capacity	25,000 m ² workshop 900 m ² office

Approvals

- CASA
- FAA
- CAAC
- EASA
- CAAP (Philippines)

Capabilities

CFMI

- CFM56-3
- CFM56-7B

GE

- CF6-80C2
- CF6-80E1

Contact

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