

PROPULSION & MRO

MRO deal is the next milestone for A400M

The MRO contract for the forthcoming A400M dual-role military transport will be awarded within the next nine months, two years ahead of service entry in 2009. Peter Scoffham, head of customer marketing, says the programme is operating to schedule and that the next big decision will be a maintenance contract.

Scoffham adds that rather than follow the standard route of each customer providing its own MRO solution, the seven launch nations and South Africa will be electing to share a single support service provider. "The launch customers are very keen to

share the economies of scale of a single MRO solution. At present the different countries are evaluating who will be able to provide the most robust and cost-effective solution," he says.

The marketing head says that he is confident that more nations will require multi-purpose military transports such as the A400M, which is designed to fill the gap between the C-130 and the C-17.

"This aircraft is designed for operation into and out of semi-prepared runways and has excellent soft field performance, enabling it to deliver large payloads to tactical forward bases or to evacuate

refugees from remote disaster areas. It will be very attractive to nations needing versatility as it can be converted into a tanker within two-hours."

Airbus predicts that an additional 200-400 orders could be made by the end of its lifecycle. "The A400M order book currently stands at 192 firm commitments, including the seven European NATO launch customer nations, South Africa and Malaysia," says Scoffham. "The aircraft will first fly in 2008 with deliveries beginning in 2009. And once nations have tried them I would be surprised if we didn't receive many more orders."

Water wash benefits engines

Pratt & Whitney (Hall 4, F13) has announced a European launch at Amsterdam Schiphol airport of its EcoWash engine cleaning system.

The launch follows a successful pilot with Dutch airline Martinair in May. The carrier recorded fuel savings of 1.5-2% after 14 of its PW4000 engines were cleaned using EcoWash.

Unlike conventional engine cleaning systems which rely heavily on detergents and release the debris into the environment, EcoWash uses only atomised water and is completely self-contained. It uses a patented jet system to clean the engine and all debris is contained.

Any engine type can be accommodated.



Dr Burkhard Andrich, senior VP engine services, Lufthansa Technik (left); Marwan Boodai, chief executive officer, Jazeera Airways (right)

Lufthansa Technik to support Jazeera

German maintenance, repair and overhaul specialist Lufthansa Technik is to provide Kuwait-based Jazeera Airways with engine and component support, it was announced at the show in Monday. Under a 10-year, \$70 million contract signed at the Hawker Pacific stand (Hall 4, E13) Hamburg-based Lufthansa Technik will provide power-by-the-hour support for the CFM56-5B2 engines fitted to the carrier's four Airbus A320s and any future additions to the fleet. The German company will also supply additional services such as spare engine and AOG support on request.

Latest T53 on road to certification

Honeywell has submitted paperwork to the FAA for type and production certification for the T5317BCV helicopter engine.

This is the latest version of T53 engines that have accumulated more than 50 million flight hours since its introduction as the powerplant for the Bell Helicopter UH-1 Huey.

The T5317BCV engine incorporates only original equipment manufacturer (OEM) parts and is backed by a full Honeywell four-year/2,000h factory warranty.

The engine has 1,800 take-off shaft horsepower (thermodynamic) and includes features such as PM astroloy turbine disk, air cooled turbine nozzles and blades, and a new TGT harness.



Beauty and the beast: Elena shows off the engine.

Klimov basks in reflected glory of MiG-29 OVT

Not only is Russian engine builder Klimov proud of being an 'official sponsor' of Farnborough International – it's also basking in the reflected glory created by the gravity-defying aerobatic display of the MiG-29 OVT fighter.

The uniquely agile performance of this fighter is largely achieved thanks to its thrust-vectoring RD-33 engine, the omni-directional nozzles being developed by Klimov.

As well as a starring role in the skies over Farnborough, Klimov is also making a serious bid to join the international panoply of engine-builders, with two exhibition stands to help visitors understand its design division's developments.

A working model of the RD-33 OVT engine, complete with thrust vectoring nozzle – will be on display and the company's technical specialists will demonstrate the heart of MiG-29 OVT fighter.

Along with the RD-33 engine programme, Klimov will also show initial designs of turboprop and turboshaft engines, automatic engine control systems and gearboxes.

During the show, Klimov intends to meet with representatives from companies like Rolls-Royce, Augusta Westland, Turbomeca, Safran, Fuji and Aermacchi to discuss possible future cooperation and potential joint initiatives.

Coming together.

Carmen Systems has been acquired by Jeppesen. With the acquisition, Jeppesen now offers the industry's most robust AOC solution, and enhanced information management tools which allow you to more effectively manage operations, productivity and bottom line profitability.

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