

Cobham Showcase - Bringing Puma into the 21st Century



Thunder City and Cobham Southern Africa have produced the world's first "glass cockpit" retrofit of a Puma SA 330, with 3D Synthetic Vision, bringing this aircraft firmly into the 21st century.

The upgraded Puma perfectly meets the high mission standards of today's medium-lift helicopter market. Whether search & rescue or transport of military personnel or oil exploration crews, the Puma delivers unmatched performance and enhanced safety.

Thunder City is a certified Aviation Maintenance Organisation (AMO), and is now able to offer its innovative Puma Modernisation Programme to all Puma fleet operators globally. A rigorous P4 inspection process coupled with a Cobham glass cockpit upgrade – supplied and supported by Cobham Advanced Technologies, SA – will extend the aircraft's life and deliver significant operator and pilot benefits. These includes improved flight safety through,

- **ENHANCED SITUATIONAL AWARENESS**
 - Helicopter Terrain Awareness and Warning System (HTAWS)
 - 3D Synthetic Vision
 - Highway-In-The-Sky (HITS) Flight System
 - Hover Vector Activation
- **IFR CAPABILITIES**
- **INTUITIVE WARNING, ADVISORY SYSTEMS and AUDIO VOICE**

History of the Puma SA 330

Medium-lift 20-troop military helicopter with retractable tricycle u/c and four-blade main rotor driven by two 1320shp Turbomeca Turmo III.C4 turboshafts positioned in housing above main cabin. Prot. F-ZWWN FF 14 Apr. 1965. Jointly built by Aerospatiale and Westland.

First flown in April 1965 the SA.330A was designed as a medium-weight troop transport. Under an Anglo-French agreement in 1967 the SA.330 Puma was developed by Sud-Aviation and Westland Helicopters to fill an RAF and French Army (ALAT) requirement for a medium troop transport helicopter. After several trial examples were built the production of the Puma was started in 1968 with the first UK-built Pumas joining the RAF in 1971. Powered by twin 1115kW Turbomeca Turmo IVC turboshafts the Puma can carry sixteen combat troops at 260kph for a range of 555km. In 1977 a licence was granted for the Puma to be built in Romania.