

LOS ANGELES COUNTY SHERIFF'S DEPARTMENT (LASD): AIRBUS AS332L1 MODIFICATIONS



ABOUT

In September 2012 Heli-One delivered the first of three completed Airbus AS332L1 Super Pumas to the Los Angeles County Sheriff's Department (LASD) Aero Bureau. The 'Air Rescue 5' mission profile is primarily SAR, but also demands duties such as SWAT and maritime missions, Homeland Security support, and natural disaster relief. Heli-One was successful in its bid for the complex, on-going and multi-aircraft 'LASD Super Puma Mk 1 Block I modification program'.

TESTIMONIAL

"There are many good people at Heli-One working non-stop to ensure every one of our needs are met... Heli-One's ability to bring focus and work together with Transport Canada and FAA (United States Federal Aviation Administration) who worked on the project was absolutely phenomenal and they were 100 per cent committed. Without their combined extra effort, none of this would have been possible."

Ret. Deputy Patrick McKernan,
LASD Program Manager and Air
Rescue 5 Chief Pilot


Heli-One
Excellence in Helicopter
Maintenance Services

CASE STUDY

AIRBUS AS332L1 MODIFICATIONS

CUSTOMER BENEFITS

- Unprecedented operational capabilities enabled by cutting-edge upgrades
- Greater program turnaround efficiency through Heli-One's in-house STC approval capability
- The most cost-effective solution for the customer
- Upgrades enable compliance with the very latest national regulatory standards
- Seamless handover achieved through embedding Heli-One personnel with the Aero Bureau following delivery

HELI-ONE'S APPROACH

To meet the demanding requirements of 'Air Rescue 5' the aircraft required a program of substantial modifications, christened the 'LASD Super Puma Mk 1 Block 1 modification program'. Heli-One's proposal was a combination of cost-effectiveness and quality assurance; the depth of experience with the Super Puma variant was a major deciding factor. Heli-One is an internationally recognized Design Approval Organization (DAO) certified by Transport Canada and has the capability and authority to approve solutions in-house.

For projects with the level of complexity of the Block 1 program this offers a significant advantage in terms of project turnaround efficiency. Heli-One's work for Block 1 included removing unnecessary equipment from the Super Pumas, upgrading existing equipment, and adding new equipment specific to meet 'Air Rescue 5' mission requirements.

All modifications were designed to enable the Aero Bureau to make a real difference to the lives and safety of the people of Los Angeles County. Whether it is the ability to fly patients faster to hospitals using the aircraft's speed in combination with avionics upgrades; the specifications for 'Air Rescue 5' have been designed for cutting-edge capability. Heli-One ensured a seamless handover of the first ship to the LASD by embedding Heli-One personnel with the Aero Bureau for two weeks.

TECHNICAL DELIVERY

Some of the 65 Block 1 upgrades and modifications completed in total by Heli-One:

- Flight Management System (Universal Avionics UNS-1Fw, FMS W/NMS)
- Enhanced Ground Proximity Warning System (Honeywell)
- Heli-One Patient Litter System
- AeroComputers UC 5100LE Mapping System with AIS
- General Dynamics (Axsys) V9 Thermal Imager and Camera System
- Appareo GAU 2000 Flight Data Monitoring System
- Airbus Wire Strike Protection System
- Sky Trac ISAT-200 Satellite Tracking System