

Paramount Provides Design-Engineering to Manufacturing and Assembly Services to Enable Rapid Deployment to the Warfighter

Honeywell T-Hawk - Ducted Fan VTOL Micro UAV

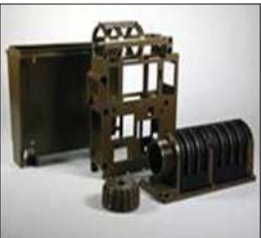
Honeywell's T-Hawk provides real-time situational awareness that protects lives and property in critical situations. Featuring vertical takeoff and landing, the lightweight and portable T-Hawk is a combat proven unmanned micro aerial vehicle that can be quickly deployed. The T-Hawk is easy to assemble and can be airborne within 10 minutes and is simple to fly with minimal training. With unique hover and stare capability, the T-Hawk supports advanced intelligence, surveillance, and reconnaissance with real-time video documentation.



Supporting the air frame design Paramount was instrumental in providing concept prototype flight hardware that enabled reduced concept validation lead times. Materials and manufacturing processes were developed to enable a rapid transition / rapid deployment from prototype to production without the need for expensive hard tooling and time delays due to re-qualifying materials and processes. Over 33,000 parts were manufactured since 2007 supporting T-Hawk production using SLS (selective laser sintering) an additive manufacturing process and urethane cast parts.

Wolfhound Handheld Threat Warning System

The Wolfhound Handheld Threat Warning System is a frequency based, directional threat finding system that fills the coverage gaps and limitations of traditional systems. The Wolfhound system provides critical mission support and force protection, aids in combat search and rescue, can identify and geolocate spotter positions and observation posts, and can be used in both static and mobile operations. The system can be used as a stand-alone unit or networked together with others for increased range.



Paramount designed, engineered, developed, validated and manufactures electronic enclosures providing a total integrated supply chain solution to the customer. Rapid deployment was achieved from design to theater under nine months.

Raytheon AN/AQS-20A Minehunter

The AQS-20 system incorporates five separate sonar systems in a compact, lightweight and hydro-dynamically stable vehicle that can be towed from a helicopter or will be deployed in the future with an unmanned undersea vehicle (UUV). Raytheon produces the advanced-technology systems for the U.S. Navy.



Paramount's technical challenge was to develop a rapid manufacturing process and material capable of achieving certification for withstanding the demands of an underwater environment and to successfully produce the specialized fairings to precise specifications in a direct digital manufacturing mode. A total of 38 fairings were manufactured for each AQS-20 system.

For more information email sales@paramountind.com