



LOVITT TECHNOLOGIES AUSTRALIA

Boeing, through its manufacturing subsidiary Hawker de Havilland, awarded Lovitt Technologies Australia the contract to manufacture machined parts and sub-assemblies which modified the 737's aircraft frame to accommodate the AEW&C system.

Through regular participation in the design process with Hawker de Havilland and Boeing engineers, Lovitt Technologies Australia was able to significantly contribute to the manufacturability of all machined parts. Through analysis and understanding of customer requirements, Lovitt Technologies Australia suggested the means by which multiple components could be manufactured as one. This offered the benefits of reduced assembly time and weight savings.

A total of 196 line items, machined from aircraft-grade aluminium, were produced by Lovitt Technologies Australia under very compressed timeframes. All parts were delivered on time and on budget.

Lovitt Technologies Australia was also subcontracted by Tenix for the provision of electronic enclosures and lid assemblies associated with the electronics systems / sub-systems to Northrop Grumman USA design and specification. This contract has given Lovitt Technologies Australia the opportunity to supply these components into other international programmes addressed by Tenix / Northrop Grumman.

Approval for Lovitt Technologies Australia to have access to the technical data to perform the work was granted under appropriate Non-Disclosure (NDA) commercial terms and U.S. ITAR regulations.

Demonstrated Capabilities:

- design-for-manufacturability
- precision machining of close tolerance features
- sub-assembly supply
- compliance with ITAR regulations

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Case Study

Wedgetail

AIR 5077 or "Wedgetail" is the Australian Defence Forces' Airborne Early Warning and Control (AEW&C) system designed to fulfil Australia's airborne-surveillance needs. In December 2000, the Australian Government contracted The Boeing Company to supply Australia's "Wedgetail" fleet.



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PICTURE: The Boeing Company