

HCL ENABLED AEROSPACE SUPPLIER TO COMPLETE TESTING ON TIME & LAUNCH INFOTAINMENT PRODUCT



About the Client

The client is an aerospace tier I supplier based in the US. It provides IT and avionics systems to commercial and military customers across the globe. The company is an expert in fields such as flight deck avionics, cabin interiors, mission communications, and simulation and training. Its revenue was over \$5 billion in FY 2015.



Challenges

The product, an infotainment system (in arm and seat-back configurations), was the client's first end-to-end product design. It required EMC and environmental testing, flammability testing, ESS, and HALT. To perform lab testing, the client needed to identify partners. There was a requirement to create procedures for various tests. Additionally, there were other issues identified during pre-compliance testing.



HCL's Solution

HCL approached the testing requirement from multiple angles. Suitable test labs were identified in the US. The product testing was automated by building a sophisticated ATE. Test procedures meeting DO160G and OEM requirements were prepared. The product was built in compliance with AS9100 requirements, and First Article Inspection (FAI) was done for the product.

The HCL test facility was used to carry out some critical iterative tests. Complete prequalification and qualification testing was carried out in the US. The product successfully qualified per FAA requirements.



Benefits

The client was able to complete testing within the timeline and launch the product in the market as planned. Several airlines purchased the product, which has been used for many years without encountering any issues.

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