

Rugged VME system for civil aviation



Challenge – Designing a rugged VME system for civil aviation

VME systems are still widely used in the industry and we have a solid track record of manufacturing them, particularly for rugged environments. Our latest system design and build was for an aviation company, who required a rugged VME-based system to support land-based aircraft navigation aids. The high-level system requirements were specified and we were asked to provide a system that met the specifications and that would pass the relevant certifications.

Acal BFi solution

We designed a VME64-based system with relevant chassis, processor, power supply and I/O cards. The system was then customised to handle high-frequency input pulses, to meet the specific needs of the application, which included modifications to the standard product and an enhanced software board support package.

Services provided

- System specification
- Customisation of processor board
- User documentation
- Customisation of BSP
- System design, manufacture and test
- Standards certification including CE marking