

CPE Capabilities

defending our shores



defence & aerospace

consumer goods

environment

mining

ICT

energy

agriculture

biotechnology

transport & automotive

test & measurement

custom electronics

scientific & engineering software

data management

Case for the Defence

CPE Systems provides engineering services to both commercial and defence establishments. Our team is committed to becoming the "Company of choice for Test, Measurement and Support Solutions".

CPE has ISO 9001:2000 accreditation, conforms to TMM - 7001.053 and AMMM - 7001.059 and is a Defence Recognised Supplier - Australian Defence Industry.

Test Program Set

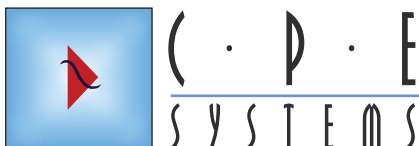
- Design Test Program Set to customer specification
 - ATLAS, Test Stand, C++
- Program Trouble Reports and System Trouble Reports - Investigation and Rectification
- Test Strategy analysis ensuring effectiveness of tests
- Interface Device design analysis

Automatic Test Equipment

- Design ATE to customer specifications
 - VXI based
 - PXI based
 - COTS equipment integration
- Maintenance of ATE
 - Expanded Litton Automatic Test Set - RF and BASIC
 - ESATS SAC-512
 - GENRAD 2225
- Dedicated Avionics Test Rig (Special to Type Test Equipment) - design, maintenance and upgrade
- Engineering support of ATE
 - Equipment obsolescence - including impact analysis of hosted Test Program Sets
 - VAX computers expertise
 - ATE in-service support requirements

Clients

- Australian Army
- DSTO
- SAAB Systems



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Hardware Manufacturing

CPE designs and manufactures all required Interface Devices with support from its network of Quality endorsed sub-contractors. This may include mechanical and electrical drawings, printed circuit board manufacturing and test fixture construction.

Avionics Repair

CPE technicians and engineers have in-depth knowledge of the avionics maintenance and repair requirements of RAN S-70_B Helicopter and the RAAF F/A 18 aircraft; this is complemented by the design level knowledge of the associated Test Program Sets and the ATE. The CPE Quality System conforms to both the TAMM – 7001.053 and AMMM - 7001.059.

Interface Device (ID)

- Design
- Manufacture
- Investigation and update

Technical Assistance

CPE has the specialist engineers and technical staff required to provide technical assistance to Defence and to Defence contractors. Our technical assistance covers a wide area of avionics and includes:

- Technical reviews
- Software design
- Hardware design
- System integration and testing
- Supporting documentation

Training

CPE provides training in:

- ATE maintenance
- Test Program Set development

To learn more about CPE's solutions for the Defence & Aerospace industry, visit our website.



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