elmTEK
Systems Engineered

Core Competencies

- Simulation models and frameworks for platform survivability and TTP validation
- Data distribution architectures including Generic Vehicle Architecture (GVA)
- Situation awareness technologies and human performance systems
- Expertise in the areas of sensor integration, data acquisition and analytics
- STEM integrated workforce comprising engineers, physicists and mathematicians
- Tailored systems engineering process integrating scientific R&D principles
- Agile software and hardware development enabling rapid design and prototyping
- Compliance with software development and assurance standards
- Mechatronics workshop with adjacent systems integration laboratory
- Established research, design support and supply chain networks

Company Overview

elmTEK supplies innovative products and services to the Defence and Space domains. We deliver projects using a tailored systems engineering approach to meet demanding functional and performance requirements. Central to elmTEK's value proposition is our ability to work closely with our clients and blend our engineering and scientific expertise with reliable engineering principles to ensure our solutions maintain the edge. Our background and pedigree in working within the Defence community has enabled us to establish a strong science and technology capability, focussing on platform survivability across the air, land and maritime domains.

Certifications & Memberships

- ✓ **ISO 9001:2015 accredited Quality Management System**
- ✓ **Defence Industry Security Program**
- ✓ **Defence Teaming Centre**
- ✓ **French-Australian Chamber of Commerce (FACCI)**
- ✓ **Submarine Institute of Australia**
- ✓ **ICN Gateway**

ISO 9001 certified Equal Assurance

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Capabilities

- ✓ **Modelling, Simulation & Analysis**
- ✓ **Sensor Technologies**
- ✓ **Situation Awareness Solutions**
- ✓ **Test & Evaluation Systems**

Customers & Standards

Our Customers

- **Defence Science & Technology Group (DSTG)**
- **Capability Acquisition & Sustainment Group (CASG)**
- **Australian Army**
- **Hanwha Defense Australia**
- **Lockheed Martin Australia**
- **Saab Australia**
- **BAE Systems Australia**

Industry Standards

- **Praxis Framework** (Program management)
- **ISO 12207:2017** (Systems & Software)
- **RTCA DO-178B/C** (Airborne Software)
- **IPC / WHMA A-620C** (Wiring Harness)
- **AS/NZ IEC 60825** (Laser Safety)
- **EMVA 1288** (Machine Vision)