

An innovative engineering company specializing in the design, development and manufacturing of a diverse range of high-tech electronics for niche local and export markets. Elexon Electronics delivers solutions for the harshest of the environments and participates in the most challenging and complex projects by offering its expertise and state-of-the-art manufacturing equipment. **EXPECT EXCELLENCE**

CAPABILITIES

- + In-House Engineering, Prototyping and R&D
- + Turnkey Product Development and Manufacturing
- + Project Management
- + Supply Chain Management
- + AS 9100D and ISO 14001 certified

+ Manufacturing Competencies:

- PCB and Product assembly
- Factory 4.0 SMD line including:
 - Intelligent Inventory Management with full traceability
 - Jet solder paste printing
 - Vapour phase vacuum reflow
 - Flying Probe Tester
 - 3D AOI and X-Ray
 - PCB Cleaning & Conformal Coating
 - Selective Soldering

PRODUCT

Engineering Development Competencies:

- + Blast-proof and crush resistant electronics systems
- + Dead reckoning algorithms
- + Wireless in-ground and through-rock communication and location systems
- + Battery Power Storage
- + Ultrasonic monitoring and recording systems
- + Low-frequency RFID reader systems
- + Nearfield Resonant Magnetic Induction Communication Systems
- + IoT Devices



DISCRIMINATORS

- + 100% Australian Owned
- + Complete Control of product quality and lead times
- + Experienced team of electronics specialists
- + Product Lifecycle Management development, manufacturing, service and support
- + Full Traceability
- + In-House Testing environmental, mechanical and impact testing
- + Industry 4.0 Factory
- + Extensive IP ruggedised monitoring and communication technologies

KEY CUSTOMERS AND PARTNERS

- + Engineering and Manufacturing support
Volvo, Aurizon, AimLab
- + PCB ASSEMBLY
EM Solutions
- + Product Lifecycle Management
CoachAir, AllFlex, Biomark, Tittle Scientific, TPS
- + Advanced Geo-Technical Monitoring Systems
RIO Tinto, Mining3, Newcrest, BHP Billiton
- + Active membership in professional associations
AIDN, DTC, ICN QLD, AMTIL, SMCBA

