



Electronics Design Engineer

DefendTex is an Australian owned Defence company with a strong focus on innovation, research and technology development. DefendTex services military and law enforcement communities around the world. At DefendTex, we value integrity, innovation, professionalism and passion. Our vision is to be a world leader in defence innovation.

DefendTex are seeking an experienced Electronics Design Engineer to join an expanding team working on the development of cutting-edge Defence technologies, specifically developing leading edge, innovative and practical electronic systems and sub-systems for use in tomorrow's defence technology.

About this role:

- Schematic design
- Circuit board design
- Datalogging and telemetry
- Design of electro-mechanical control systems
- Participate in design reviews
- Assist production department manufacturing boards
- Embedded software design
- Prepare specifications and requirements
- Analyse standards for key requirements
- Develop test and evaluation plans and procedures
- Field testing weapon systems
- Field testing explosive ordnance

About you:

- Bachelor Electrical, Electronics, Computer Systems, Embedded Systems or related discipline
- Australian Citizenship - must be eligible for the Australian Government BASELINE security check
- Not be a prohibited person under Section 3 of the Firearms Act 1996 (Victoria)
- PCB design Altium Designer (essential)
- Low level micro-controller experience (STM32, AVR, ARM, Ti)
- Experience in programming in embedded C, C++ and python
- Analogue and Digital circuit design
- Miniaturised electronics
- Flexible polyimide circuit board design
- Tight ECAD/MCAD Integration
- Solidworks and Modelling
- Debugging and fault-finding circuits
- Surface mount assembly and rework
- RF circuit analysis and design
- Sensor interfacing and conditioning especially Accelerometers and gyroscopes / Sensor fusion 6 -9DOF
- This role is required onsite and thus you will be required under the Victorian Government mandate to provide proof of vaccination in accordance with the mandate.

A dynamic, agile and enthusiastic applicant who operates well in a multidisciplinary team environment will suit this role.

As a Defence security clearance is required for this role, applicants must be Australian citizens and eligible to obtain and maintain a Baseline clearance. To learn more about clearances please visit – <http://www.defence.gov.au/AGSVA>

Why us?

- Competitive remuneration

- Exciting projects and industry leading innovations
- Cutting edge surface mount electronics manufacturing facility on site
- Precision machine shop on site
- Wide range of test and measurement equipment and instruments including high voltage and RF labs
- Remote explosive ordnance and weapons testing facility
- Maritime research vessel for at sea testing
- Professional learning and development opportunities
- Working in a dynamic team environment with talented engineers to develop innovative, novel applications for defence
- Opportunity to work collaboratively with external research organisations and institutions

We are committed to ensuring diversity, inclusion and equality are embedded throughout our organisation for the benefit of our customers and our employees. We strive for a positive and engaging workplace where mental health and wellbeing are supported. We welcome applicants from all diverse backgrounds, including Aboriginal and Torres Strait Islander people.

If you are looking for a unique and exciting opportunity, we look forward to your application.

Interested?

If this sounds like you, are you're interested in applying for this exciting role, please send your CV and Cover Letter to our Head of People and Culture, Lauren McCleery at lauren.mccleery@defendtex.com