



Hardware/ Firmware Design Engineer – Perth, Western Australia

Mobilarm is a world leader in the design and manufacture of man overboard systems. The company has been protecting the lives and improving work place safety for recreational and professional mariners since 2003.

Located in Perth Western Australia, one of the world's most livable cities, Mobilarm has received numerous local and international awards for its innovative safety products, including the prestigious Seatrade International Safety at Sea Award.

Mobilarm is seeking an experienced Hardware/Firmware Design Engineer to develop the next generation for Maritime Safety Personal Location Beacons. Working in a small team to design innovative safety products and systems, primarily for maritime workplaces.

The successful candidate will work with the Product Engineering, Manufacturing and Support teams to define design requirements and ensure compliance with customer expectations. The successful candidate should have experience in electronic product design, assembly, testing and fault diagnosis. Previous experience in RF, wireless networking USB and serial interface products would be highly regarded.

You will have responsibility for the whole-of-product lifecycle development including requirements definition, specification, design implementation, testing, documentation and final release..

Specific tasks include:

- Prepare and review design documentation in accordance with department operating procedures
- Product design specification, schematic capture, PCB layout,
- Development and testing of product prototypes and demonstration systems
- Assist Project manager in establishing the development schedule and resource requirement including equipment and development tools
- Together with manufacturing manager, specification of product assembly and production test procedures
- Ensure product compliance to international standards and environmental requirements.
- Assist the support and engineering team with field testing of new products.
- Other tasks as assigned.

Your qualifications will include:

- 5+ years of relevant experience in product design and development
- Critical thinking and problem solving skills
- PCB design experience, applications (eg Altium) Design in multi-layer to surface mounted circuit boards.
- Digital logic designs in FPGAs, VHDL or Verilog
- Software development in embedded systems and application level programming
- Knowledge and experience of VHF/UHF radio communications antennas and systems. Protocols and wireless data technologies and services such as Wi-Fi, Zigbee or Bluetooth would be highly regarded
- Good presentation and documentation skills
- Bachelor degree or masters in Electronics, Digital or Communications systems

What's in it for you?

- Competitive Salary
- Great benefits
- Excellent Work Environment

