

## CAREER OPPORTUNITY

Position           **Hardware/Firmware Design Engineer**

Location           **Perth, Western Australia**

### Key Benefits

- Innovative, market-leading product
- Excellent remuneration package
- Employee Options program participation

### The Role

Mobilarm is seeking an experienced Hardware/Firmware Design Engineer to work in a small team developing the next generation of Maritime Safety Personal Location Beacons. Mobilarm designs and manufactures innovative safety products and systems. These products improve worker safety in 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. Candidates will have experience in VHF, or UHF product design, assembly, testing and fault diagnosis. Previous experience in developing products for hazardous environments, wireless networking, or 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, embedded software design and user application development.
- 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

We seek experienced engineers with:

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

Your qualifications will include:

- Bachelor degree or masters in Electronics, Digital or Communications systems

## **About Mobilarm Ltd.**

Headquartered in Perth, Western Australia, Mobilarm Ltd (ASX: MBO) is one of the world's leading brands in the rapidly growing man overboard product category. The Company's marine safety equipment solutions remove risk from the workplace in the offshore oil and gas, defence and commercial marine industries, where regulatory compliance, Occupational Health & Safety and Director's Liability are the major drivers for improved employee safety and Duty of Care.

Mobilarm owns patent pending technology that protects and saves lives in the marine workplace and enables every maritime vessel to become a marine Search and Rescue asset.

The Company's Australian-designed emergency locator beacons and crew monitoring alarm systems for use aboard vessels and other marine facilities generate automatic and immediate alerts in emergencies involving personnel, integrate with GPS and onboard navigation systems and provide in-water tracking of man overboard casualties in the water.

Mobilarm has received enviable recognition for its products and design, winning two Seatrade awards for Safety, two Australian Design Awards and the Western Australia Worksafe Award.

Please send your application and resumé to:

**Peter Bettonvil**

R&D Manager

Email: [peterb@mobilarm.com](mailto:peterb@mobilarm.com)

Tel: +61 8 9315 3511