



Electrical Engineer

Breathe Technologies, Inc., is a developer and manufacturer of innovative medical technologies for treating lung diseases and sleep-disordered breathing. The company was founded in January 2005, and their ventilator, featuring the company's proprietary, open-airway platform, is cleared for use in both the institutional and homecare settings. Breathe is in the process of relocating and is recruiting for positions based in Irvine, CA.

SCOPE OF POSITION:

Reporting to the Director of Research & Development, the Electrical Engineer will be responsible for ensuring the ongoing success of the electrical design the company's medical respiratory products and develop new products to achieve the company's goals. This individual is directly responsible for the adherence to domestic and international regulations for medical device development.

ESSENTIAL FUNCTIONS / RESPONSIBILITIES:

- Perform the electronic product development process through all phases of product development
- Manage multiple projects from concept to completion while providing product support, including coordinating activities between all parties involved
- Perform assignments independently with instruction as to the general results expected
- Electrical drawings, specifications, and calculations. Adherence to high reliability design practices, such as component derating, creation of FMEAs, following a structured development process.
- Use of CAD tools for schematic capture and PCB layouts
- Hands-on troubleshooting/soldering capability for SMT technologies
- Project controls, cost estimates, quantity takeoffs and manpower requirements for proposals, forecasts and change orders
- Work closely with Q&A, Manufacturing and Regulatory, and System Engineering to support company goals
- Work closely with vendors for components selection, purchasing, PCB layout, fabrication, assembly and testing
- Working with technical staff, contribute ideas and substance to the product design and process development
- Be contributor to invention disclosures and patent filings
- Leading, mentoring and guiding an electronics technician
- Analyze complex engineering problems and offer effective resolutions

SKILLS / APTITUDES:

- Excellent problem solving skills, leadership skills, prioritizations skills, and verbal and written communication skills
- Must possess superior engineering skills
- Must have advanced knowledge of electrical engineering and design and be familiar with applicable codes, standards and acceptable industry practices
- Strong knowledge of QSR and Design Control
- Schematic and PCB layout tools familiarity
- Electrical analysis software familiarity

REQUIRED EDUCATION / EXPERIENCE:

- BS or MS in Electrical Engineering
- Minimum of 10 years of experience in electromechanical circuit development
- 5 years minimum of Medical Device experience, including the successful development and launch of at least one medical device, from concept through completion
- Experience in product development, staffing plans and technology development activities
- Experience in developing electromechanical software controlled devices required
- Supervisory experience a plus