**Job Title:** Graduate RF Electrical Engineer

**Reports to:** Sensors Manager

**Location:** Dorchester

**Salary:** £27,000

**Scope:**

Within the sensors hardware team, the Graduate RF Electrical Engineer will be responsible for development of electrical hardware to support Precision Acoustics' product development. With responsibility for the design, test and integration of a variety of RF circuits spanning ultrasonic frequencies in the kHz to MHz range. The role will also involve liaising with internal teams within the business in addition to suppliers.

**Key responsibilities:**

- Design and development of functional circuits within the ultrasonic signal chain. Areas of interest include small signal buffer pre-amplifiers, RF power amplifiers and DDS circuits for source signal generation.
- Electrical and acoustic testing of ultrasound sensors.
- To support the sensors team in delivery of products and services.
- Use of electrical test equipment; Vector Network Analyser,
- Use of acoustic measurement equipment: oscilloscopes, hydrophones, ultrasound scanning tanks, radiation force balances.
- Supporting internal teams including the Research, Production and Calibration teams within the business.
- Liaise with external contacts including customers and suppliers.
- Liaise with internal teams to resolve internal (PA) problems as required.
- Use of workshop facilities, including for hand-assembly of electrical components.
- Record keeping and procedure documentation.
- ISO; working to all ISO processes.
- H&S; working to health & safety standards.
- Supporting and working towards the Company vision and values.

**Essential experience and competencies**

- Degree qualified or higher, ideally within an electrical engineering discipline.
- Good attention to detail
- Evidence of practical abilities gained through degree, hobbies or any prior work experience.
- Good time management and organisational skills.
- Able to work under own initiative.
- Commitment to professional development and self learning.

**Desirable Experience and qualities**

- Able to demonstrate an aptitude for RF electronics and circuit design.
- Understanding of ultrasound
- PCB design experience