



Job description form

Position Profile

General information	
Job Title	Electronic Engineer
Company	<p>Gill Research & Development Limited</p> <p>The Gill Group covers the development of new products, innovative research, product maintenance, manufacturing, sales and distribution, and specialist equipment calibration. We are specialists in precision ultrasonic air flow measurement, offering the most extensive range of ultrasonic wind speed and direction sensors on the market today. Additionally, as designers and manufacturers of innovative sensing technologies such as level measurement, position, flow and engine controls, our markets are diverse including construction, agriculture, motorsport, defence, marine and material handling industries.</p> <p>We are investing to support and accelerate the company's growth to increase our portfolio of products and enhance our leading development capabilities. Building on our strong worldwide reputation for novel, technologically advanced and robust products along with the great care we take with clients and employees alike, we are looking to attract talented and driven individuals to join a highly successful and motivated team.</p> <ul style="list-style-type: none">• We believe in delivering outstanding product solutions for our customers.• Our work includes delivering to the most recognised brands in the world• Projects include development of new standard product ranges as well as unique solutions to meet a specific customer demand.

Position summary

We are looking to hire an Electronics Engineer to join an ambitious and growing organisation based on the south coast, offering its employees outstanding involvement with product development used in demanding and advanced technology industries around the world, flexible working, and a dynamic atmosphere to excel spanning four Gill Group companies.

An experienced engineer with skills in electronics development to work within the Research and Development team, designing, developing and supporting new and existing products.

The required candidate should have demonstrable experience of designing, implementing, testing and supporting embedded systems along with the energy to drive through the most demanding projects.

You may be involved at any stage of a project including the initial concept, design and development stage, testing of prototypes, fault finding of existing products and the final implementation of a new product.

It would be expected that the candidate is able to identify and implement best in class working practices to strengthen existing established processes.

Main duties

- System level design in analogue and digital low-power electronics hardware.
- Conducting root cause analysis of faults on existing equipment and proposing appropriate solutions.
- Detailed design of electronics hardware from initial concept schematic diagram through to manufacture.
- Conducting design FMEA and MTBF analysis.
- Obsolescence management.
- Liaison and attendance with external test houses.
- Keeping up to date with developments in technology and regulations.
- Production of project and technical documentation.
- Prepare and implement suitable test strategies considering different classes of testing approaches.
- Work with other discipline areas to provide a well-engineered and balanced solution

Candidate requirements

- Excellent academic achievements to degree level or equivalent in electronics engineering or similar.
- Proven track record of system level design in analogue and digital low-power electronics hardware
- Demonstrable experience of real-time embedded software design and implementation as a minimum to test new hardware designs
- Good understanding of EMC and product approvals.
- Able to provide examples of the use of simulation tools to prove designs.
- Organised, self-motivated individual with initiative and drive.
- Ability to work as part of a multidisciplinary team.
- Appreciation of a wide variety of engineering and scientific fields.
- Good communication skills, with the ability to discuss complex concepts to the project team as well as senior management and ability to coach junior members.

Reporting structure

Electronic Engineer – Head of Engineering, Electronics

A position profile does not imply that the duties stated are the only ones to be performed by the incumbent. Employees will be required to follow any other reasonable job-related instruction as requested by their manager or a company director.