

## **IWIRELESS SOLUTIONS JOB DESCRIPTION**

**Job Title:** Design Engineer  
**Reporting to:** Head of Engineering  
**Location:** East Grinstead

### **Key Objectives**

The position of Design Engineer will be to produce in-building DAS designs from initial requirements capture with the client, on-site design surveys and preparation of design documentation.

### **ABOUT IWIRELESS SOLUTIONS LTD:**

iWireless Solutions is a wireless systems integrator. That means we begin by studying, assessing and understanding our clients' business and technology KPIs, and then use our expertise to translate these requirements into a robust and future-proof wireless system. And we don't stand still. Our approach evolves and changes in line with industry, social and technology trends. That allows us to ensure we can offer services that are innovative, cost-effective and of superior quality.

We are a UK leading wireless solutions company focused on large scale bespoke solutions for a number of clients. We have extensive experience in designing and building multi technology solutions within a variety of high profile venues throughout the UK. Our expertise spans a wide range of sectors and technologies, making them suited to a variety of projects — from Wi-Fi in hotels to emergency services radio in outdoor environments, and from focused coverage in SMEs to high-capacity mobile coverage in stadiums.

Based in East Grinstead (approx. 8 miles from Gatwick Airport), we are looking for an enthusiastic, driven and hardworking candidates to join our expanding business and bring new skills and initiatives to an ever evolving team of designers and project managers.

The industry is challenging, fast moving and constantly evolving with new technologies, so if you are looking to grow in the wireless communication industry with numerous opportunities to learn, develop and progress within a dynamic company then we would like to hear from you.

### **Key Responsibilities**

Carry out internal duties in the following areas:-

1. Act as the main interface into client with regard to the following areas under senior supervision:-
  - Prepare test equipment for surveys
  - Perform RF and Design Surveys for inbuilding DAS
  - Perform RF Modelling and design using iBwave
  - Review results, drawings and reports conducted by others
  - Perform design criteria/requirements, system dimensioning, link budget and traffic analysis
  - Complete RAMS and abide by company H&S policy

- Daily update to Design Manager on progress and raise issues swiftly
  - Update project managers and co-ordinators as required
  - Request test equipment and materials required for site surveys
  - Advise of any issues with Test Equipment and Materials
  - Complete any Handover Packs, Post Integration Reports and Design Reports on agreed timescales and report templates
  - Provide estimated effort and resources required for particular tasks
  - Update the project folder on the network drive as appropriate
2. Carry out internal duties in the following areas:-
- To assist in the smooth running of the office, this may involve administration duties
  - To assist other departments as requested by the Head of Engineering and as may be necessary from time to time
  - Updating any internal reporting system as required
  - Informing the Project Manager as and when any work is completed and needs invoicing
  - Familiarisation of all company documentation, especially ISO procedures
3. Be responsible for the following:-
- Acting professionally and in the best interests of the company at all times
  - Time management of both yourself and any subordinate
  - Maintaining good client relations
  - Where a company vehicle is available the overall vehicle condition together with servicing and maintenance requirements
  - The condition of any equipment supplied for the job together with the safe returning of any equipment on request
  - Making management aware of any training requirements outside of normal training
  - Finance management through expense sheets and timesheets
4. Health and Safety related responsibilities:-
- Take reasonable care of the health and safety of yourself and others who may be affected by your work
  - Properly use and not interfere with anything provided to safeguard your health and safety
  - Cooperate with supervisors and managers on health and safety matters
  - Report all health and safety concerns to an appropriate person
  - Ensure that risk assessments are current and effective
  - Ensure employees are working in accordance with safe systems of work
  - Ensure the work place is kept clean and tidy and free of obstructions
  - Ensure adequate supplies of personal protective equipment (PPE) are available
  - Ensure accidents and near issues are reported and properly investigated

### **Skills, Knowledge and Abilities**

- Experience of in-building design with iBwave
- Experience with TEMS investigation, NEMO
- Experience of CW Testing
- Experience of producing detailed design reports
- Ability to communicate technical details to a non-technical audience
- High degree of accuracy and organisation skills
- Ability to adhere to time scales
- Ability to work well as part of a team

- Good working knowledge of Microsoft applications – including project
- Clean driving licence
- Reasonably fit
- Good time keeping
- Ability to adhere to health and safety requirements
- Good communication skills, especially with the client

(The above list of responsibilities is not exhaustive and the job holder may be required to do other duties from time to time for which they are reasonably qualified.)

### **Join Us**

iWireless Solutions Ltd (<http://iwireless-solutions.com/>) values its employees and their professional development. As a member of the team you will receive regular reviews covering your development areas and training requirements to progress you through the company and reach your potential. This also gives our employees the opportunity to communicate ideas, thoughts and initiatives for improving their own performance and that of the company.

In addition to submitting your CV to [join\\_us@iwireless-solutions.com](mailto:join_us@iwireless-solutions.com), please provide a covering letter introducing yourself and detailing your experience. Please include information on your achievements and how this will be of benefit to iWireless Solutions, why you would like to join us, what you believe you can bring to the company and your career aspirations.