

## RF ENGINEER

### The Opportunity

Our next generation 3D AESA multi-function radar features a modular and scalable architecture for which we require advanced RF & Microwave design skills. As an RF Engineer, you will take a leading role in the design, development & test of new radar products from board level RF circuit design to equipment level manufacture and test. This will involve determining the best technical solutions and the associated design of the RF & microwave hardware blocks. This is expanded upon below:

### Key responsibilities

- Design of RF and microwave electronic circuits
- Model RF and microwave circuits and sub-systems
- Circuit test and design verification
- Provide technical input to radar system designs
- Work effectively with other team members across the company to ensure that the new radar design is delivered on time and to budget

### Qualifications and knowledge

- A good degree in electronic engineering or a related discipline
- Microwave RF, analogue and digital circuit design skills
- Microwave simulator tools experience (ADS, AWR, HFSS, CST, or similar)
- Experience of RF laboratory test equipment and associated measurement techniques
- A logical approach and an ability to provide innovative solutions to complex problems
- Good oral and written communication skills
- Commitment to learning and keeping skills up to date

### Additional preferred/desirable requirements

- PA/LNA/filter etc. design knowledge
- RF Beamforming techniques
- Knowledge of test equipment automation software such as LabVIEW
- Schematic circuit capture skills
- Radar system knowledge
- Knowledge of programming in Python or similar
- Design for manufacture (DFM) skills
- Test automation skills

### Reporting to/direct reports

- Chief RF Engineer

### About Blighter

Blighter Surveillance Systems Limited is a UK-based electronic-scanning radar design house delivering our products to systems integrators for use in sophisticated border and perimeter systems around the world. Blighter radars combine patented solid-state Electronic Scanning Array technology with advanced Frequency Modulated Continuous Wave (FMCW) and Doppler processing to provide a robust and persistent surveillance capability. Blighter Surveillance Systems (BSS) is looking to enlarge its in-house design and development team in support of new product developments and enhancements. We are located 10 miles south of Cambridge in the semi-rural village of Great Chesterford, with ample parking, a direct train link to Cambridge and easy access to the M11. We operate a hybrid working scheme and expect our team members to be in the office two to three times a week depending on project demands and government regulations at the time. For more information see [www.blighter.com](http://www.blighter.com)

We are an equal opportunity employer and will consider all qualified applicants for employment without discrimination on grounds of disability, gender or gender orientation, pregnancy or maternity leave status, race or national or ethnic origin, age, religion or belief, gender identity or re-assignment, marital or civil partnership status, protected veteran status (if applicable) or any other characteristic protected by law.

