

Radio field engineer - job description



Job title: Radio field engineer

Location: Manchester

Reports to: Head of Engineering

Contract type: Full time

Job Overview:

As a Radio Communications Engineer at Radiocomms Systems Limited, you will be responsible for designing, implementing, and maintaining radio communication systems. This role involves working with digital radio and associated hardware / software to ensure efficient and reliable communication across various platforms and facilities. The successful candidate will collaborate with cross-functional teams, troubleshoot issues, and contribute to the development of innovative solutions in the field of radio communications.

This role is accompanied with a comprehensive benefits package, including a company vehicle, Laptop, phone, overtime, overnight and on call pay and access to Medicash healthcare.

Responsibilities:

System Design and Implementation:

Design, develop, and implement radio communication systems based on project requirements. Collaborate with multidisciplinary teams to integrate radio communication solutions into larger systems.

Radio Frequency (RF) Planning and Optimisation:

Conduct RF site surveys to determine optimal placement of communication equipment. Perform spectrum analysis and optimise frequency allocation to minimise interference and ensure efficient communication.

Network Configuration and Maintenance:

- Configure and maintain radio communication networks, including base stations, antennas, and associated equipment.
- Monitor network performance, conduct regular maintenance, and troubleshoot issues to ensure reliability.

Testing and Evaluation:

- Conduct testing and evaluation of radio communication equipment to ensure compliance with industry standards and specifications.
- Develop test plans and procedures for new systems or system upgrades.

Documentation:

- Create and maintain detailed technical documentation, including system specifications, network diagrams, and configuration records.
- Provide training and documentation for end-users and support teams.

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Security and Compliance:

- Implement security measures to safeguard radio communication systems against unauthorised access.
- Ensure compliance with relevant industry regulations and standards.

Collaboration and Communication:

- Work closely with other engineers, project managers, and stakeholders to understand project requirements and constraints.
- Communicate effectively with team members and clients, providing updates on project progress and addressing concerns.

Person specification

	Essential	Desirable
Qualifications	<ul style="list-style-type: none">• Professional certifications in radio communications or related areas• Experience with software-defined radio (SDR) technology• Familiarity with emerging trends in radio communication	<ul style="list-style-type: none">• Project / portfolio management qualifications• IT and data management qualifications• H&S qualifications
Experience	<ul style="list-style-type: none">• Proven experience in within this field• Strong understanding of RF principles, spectrum analysis, and network protocols• Proficiency in using radio communication testing equipment and software	<ul style="list-style-type: none">• PMR/DMR products• BBPTT / Poc products
Skills/Attributes	<ul style="list-style-type: none">• Knowledge of industry standards and regulations• Excellent problem-solving and troubleshooting skills• Effective communication and collaboration skills• Driving Licence	<ul style="list-style-type: none">• Commitment to own personal development• Creative and willing to contribute ideas and professional opinion• Willingness to work unsociable hours at short notice if needed• "can do attitude"

To apply for this role please send your CV to steve.kennedy@radiocomms.co.uk