

# Communication System Architect

## Job Summary

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Novocomms Limited (“NVC”) – Birmingham (Potentially London)

**NVC is looking for a full-time Communication System Architect (Ref: 2024CSA02)** with ability, experience and knowledge to oversee, plan, model, construct and integrate the mmWave communication systems supported by our customers or partners. This role is required to work closely with most of our technical and commercial teams.

## Duties & Responsibilities

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- Collaborate with cross-functional teams to understand existing products and technologies, engaging in brainstorming for future enhancements and strategic planning.
- Investigate, compile, and validate system level requirements, architecture, and specifications to ensure alignment with project goals.
- Conduct system performance simulations and benchmarks to assess functionality.
- Support subsystem production/ implementation including its interfaces and integration with other parts of the system.
- Take charge of planning, modelling, building, and integrating various mmWave functional modules.
- Provide support to FPGA and software development teams, contributing to hardware/software implementation and troubleshooting efforts.
- Collaborate on joint validation and testing of mmWave systems with other technical teams.
- Lead a team of diverse engineers for product and feature development when required.
- Intensive interfacing with internal engineering teams, suppliers/manufacturers, contractors, etc.
- Prepare and document technical materials.
- Perform other related duties as necessary.

## Essential Knowledge & Skills:

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- You should have BEng/MSc (PhD preferred) degrees or equivalent experience with an emphasis in satellite networks/systems, and ground system engineering.
- Minimum of 7 years of experience in designing and developing wireless communication systems.
- Proficiency in requirements development, system design, problem analysis and resolution, integration, and testing.
- In-depth involvement in the entire wireless system development cycle, from design to field testing.
- Comprehensive knowledge and hands-on experience with digital communication systems, including RF subsystems, synchronizations, channel estimation, channel coding, and communication protocols, L2 networking, phased array antenna’s, teleport infrastructure, antenna tracking, and tactical waveforms, etc.
- Ability to translate customer operational requirements into detailed technical specifications for wireless communication solutions.
- Proficient in MATLAB programming and simulation, as well as other relevant programming languages.
- Strong organizational skills with the ability to prioritize, schedule, and efficiently execute activities to accomplish tasks.

## Essential Attributes:

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- Excellent written and oral communication skills
- Excellent interpersonal skills
- Exceptionally self-motivated and directed
- Ability to prioritize, schedule, and execute activities to efficiently accomplish tasks
- Ability to multitask and manage more than one project at the time

**Salary:** Exceptional compensation package (£55k to £120k per annum depends on experience), including competitive salary, share options, pension and bonus.

**Location:** NVC has its current R&D headquarters in Birmingham; NVC is considering opening an office in London.

**Closing Date:** 29/02/2024; **Number of Positions:** 1; **Experience** – 7 year minimum

To apply for this position please send your CV with a covering letter explaining how do you meet selection the criteria to: [HRUK@novocomms.com](mailto:HRUK@novocomms.com). You will only hear from us if you have been shortlisted.

## About the Company

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Novocomms Limited (NVC) was founded to deliver innovative new technology coming from British academia in the field of antenna design. The team have designed, developed and patented a pioneering antenna technology. The market for this highly scalable technology is the global digital wireless appliance market. NVC's remarkable innovation has led to the creation of a significant number of patent applications, both filed and in process.