Candidate Information

Position:	Engineers
School/Department:	Momentum 1.0
Reference:	26/113765
Closing Date:	Monday 4 January 2027
Salary:	£36,366 - £45,576 per annum
Anticipated Interview Date:	Wednesday 20 January 2027
Duration:	Permanent

JOB PURPOSE:

To contribute to collaborative research, development and innovation projects with industrial partners and Momentum 1.0, applying specialist engineering knowledge and skills to the design, development and delivery of technical solutions, prototypes and demonstrators. The role will be responsible for delivering assigned technical activities and work packages within agreed project objectives, specifications, timescales and quality standards.

MAJOR DUTIES:

Research:

1. Contribute to design and development of software or hardware components and proof-of-concept demonstrators that incorporate newly developed capabilities emerging from Momentum One Zero's sectoral Hubs and affiliated research groups.
2. Undertake defined development activities, including deliverables, within agreed technical specifications, milestones and budgets, escalating material changes in scope or risk.
3. Support project delivery through contributing to production of high-quality technical reports and deliverables to enable commercialisation and assist in generating funding opportunities to support further programme activity.
4. Monitor progress, quality and use / procurement of allocated resources for assigned technical activities, maintaining project records and following agreed University procedures.
5. Help develop the international reputation of Momentum One Zero through presentations, attendance at tradeshows and visiting major companies and research centres worldwide.

ESSENTIAL CRITERIA:

1. Honours Degree, or equivalent, in Computer Science, Electrical & Electronic Engineering, or related discipline OR Minimum HND in a related discipline with extensive recent and relevant industrial experience.
2. Demonstrable experience of product development involving software or hardware design, including:
   - Evidence of contributing to at least one software or hardware/software project that produced a working prototype, demonstrator or deployed solution.
   - Evidence of translating a project brief or user requirement into an implemented technical solution.
3. Software development skills in at least one major language. Use of code configuration management toolsets.
   - Evidence of implementing a working solution using at least one major language and using Git for version control.
4. Applied knowledge of one of the following:
   - Artificial Intelligence and Machine Learning methodologies and tools, or
   - Cyber security principles
5. Evidence of effective team working skills in a multidisciplinary, cross functional setting.
6. Evidence of strong presentation skills and ability to prepare clear and concise presentation materials.
7. Willingness to visit collaborative partners and to attend meetings and conferences nationally and internationally as requested.

DESIRABLE CRITERIA:

1. MEng, MSc or Ph.D. in a relevant area.

2. Demonstrable practical experience in any of the following:
   - Cloud and data systems: cloud services, distributed applications, data pipelines or deployment infrastructure.
   - Embedded and connected systems: firmware, FPGA development, hardware/software integration or connected-device engineering.

ADDITIONAL INFORMATION:
A CV and cover letter is required explaining how you meet the job requirements/criteria.