Neuville
Grid Data™

high-resolution, Big Data, grid power monitoring

07 July 2021

Senior Electronics Engineer - London

£65,000 to £78,000 per annum, depending on experience

Overview. The Senior Electronics Engineer will be joining a fast-moving team working to advance the state-of-the-art in electrical power system monitoring, analysis and control.

What drives us? Achieving net zero requires a much more efficient, low carbon electric power system, increasingly powered by renewable energy. Neuville Grid Data is developing digital infrastructure technology that, coupled with advanced analytics, will enable the renewable energy and electrical power sectors to improve the performance of their assets thanks to forefront, high-resolution data.

Location. London, United Kingdom

Work hours. Full-time, Monday to Friday, 0900-1730. Some flexibility and overtime may be required to support development work, key testing and UK-based field trials. Some domestic and international overnight travel may be required (approx. 10%), COVID-restrictions permitting.

Core responsibilities. In this role, you will hold primary responsibility for the board level design and development of a next-generation, high-performance electrical network instrumentation device. You should have professional experience and demonstrated expertise specifying and integrating components into analogue, digital, control, timing, and telemetry sub-systems. You should also have relevant experience managing demanding design specifications across multiple domains while enabling sub-system teams to continue prototype development, testing, and preproduction activities.

Day-to-day activities will include:
- Identifying and reviewing system-level requirements;
- Coordinating sub-system requirements and technical design to ensure design closure;
- Working collegiately with internal, academic and industry team partners and collaborators;
- Getting hands dirty with breadboard and prototype design activities; and
- Documenting design development for technical and innovation purposes.

Reporting to: Head of Hardware Research and Development

Desired skills and experience include:
- Analogue-to-digital converter (ADC) circuit design;
- Digital Signal Processing (DSP) implementation;
- Field Programmable Gate Arrays (FPGAs) configuration;
- GNSS derived synchronised timing;
- Control, databus, and telemetry systems;
- Integrated system design;

- CAD/CAM schematic capture and PCB design in Solidworks Electrical/Altium;

- Experience with instrumentation, avionics, or other high-accuracy metrology systems;
- Experience with electrical power grid systems;
- Excellent English written and verbal communication skills;
- Strong project management skills, organised and methodical; and
- Comfortable with dealing with ambiguity.

Salary and Benefits. £65,000 to £78,000 DOE, generous leave allowance plus performance share options available to the right candidate.

The candidate should have the right to work in the UK without sponsorship.