

ELECTRONIC DESIGN ENGINEER

Nu Instruments is a small-scale manufacturer of bespoke and semi-bespoke high-end mass spectrometers supporting a range of applications including geophysics/geochemistry research, materials science, quality assurance and the nuclear industry. We are currently recruiting for an Electronics Design Engineer.

KEY RESPONSIBILITIES

MAIN ROLE:

Specify and design electronics hardware with functionality defined by the project proposer. Generate specifications, verification evidence, production documentation and production test capability.

RESPONSIBILITIES:

- Adherence at all times to the published Company Procedures
- To understand and comply with the Company's Policy Statement
- To ensure deadlines are met with regard to allocated tasks
- Maintain safe working environment for yourself and others at all times
- Maintain the Company image, particularly whilst at customer site, or representing the Company

DUTIES:

- Specification of projects in conjunction with proposer
- Hardware design & development Including:
 - Prototype development and test and verification up to final production hardware
 - Schematic Capture and PCB layout (using Altium)
 - Hardware development and verification of performance (digital & analog)
 - Documentation of design to company standards
- Firmware development to enable verification of performance to specification
- PC test software development to enable verification of performance to specification
- Development of production test tools, hardware and software
- Design Documentation in accordance with Company Quality Procedures

REQUIREMENTS FOR CONSIDERATION

GENERAL

- To carry out other duties as may reasonably be required by the Company

TITLE

AMETEK is a leading global manufacturer of electronic instruments and electromechanical devices with annual sales of approximately \$5.5 billion.

COMPANY : **AMETEK**

Publicly traded on the NYSE since 1930 and a component of the S&P 500, AMETEK has over 18,500 colleagues at more than 150 operating locations in 30 countries around the world. Our mission is to solve our customers' most complex challenges with differentiated technology solutions. AMETEK's Growth Model combines four strategies: Operational Excellence, Strategic Acquisitions, Global & Market Expansion, and New Product Development.

Our core values — ethics, integrity, respect for the individual, diversity and inclusion, teamwork and social responsibility — are essential to doing business the right way. AMETEK believes that a diverse workforce and an inclusive environment are critical to the continued growth and success of the company. We seek to hire, develop, and retain individuals who embrace and thrive in our performance-based, entrepreneurial culture. We are united by our common spirit of collaboration, creativity, and innovation, backed by the power of a large, global company.

To learn more about working at AMETEK, visit <http://careers.ametek.com>

BUSINESS UNIT :
NU INSTRUMENTS LTD

Founded in 1995, Nu Instruments has established itself as a market leader in Inductively Coupled Plasma Mass Spectrometry (ICP-MS), Glow Discharge Mass Spectrometry (GD-MS), Isotope Ratio Mass Spectrometry (IRMS), Thermal Ionisation Mass Spectrometry (TIMS) and Noble Gas. Our high-end mass spectrometers are analytical instruments used to characterise the isotopic or elemental composition of various samples, providing precious information such as the history, the age, the provenance or the purity. Nu's innovating mass spectrometers are installed worldwide in academia, governmental and industrial research labs, and serve a wide range of applications such as: determining isotope ratios in various geological samples to provide datation data, creating elemental images of biomedical or geological samples, measuring isotope ratios to determine the provenance, origin of food samples, measuring nanoparticles size and determining the purity of a material.

All our instruments are designed, assembled and tested on site in our factory.

Nu joined the Materials Analysis Division of AMETEK in 2016. Nu's head office, manufacturing facility and labs are located in North Wales, UK.