

Senior Electronics Hardware Engineer

Start date: immediately

Calidus Engineering Ltd is looking to recruit a senior electronics hardware engineer for a permanent position at our base in Cornwall, UK. This is a challenging and responsible role that demands the best and for the right individual will be career enhancing and rewarding.

Working alongside our existing senior engineers you will be able to exercise a strong influence on the way the company undertakes and develops its expanding business. Taking responsibility for design integrity, R&D, project and resource management, client liaison and assisting with the technical marketing you will have a role in the full spectrum of the company's activities.

This is a rare opportunity to exercise your full ability in a developing company and make a major contribution to its success.

The Package

Along with a salary commensurate with your experience and skills we offer 27 days leave + bank holidays, 5% of salary pension contribution after 6 months service, non-contractual bonus scheme, travel allowance + expenses. For the right candidate we will offer assistance with relocation expenses and temporary accommodation.

Our current location is Falmouth, Cornwall but in April 2011 we will relocate to Redruth (~10 miles north) into a custom built research and manufacturing centre.

Mandatory requirements:

Will be qualified to a minimum of 1st / 2.1 Degree level in Electronic Engineering and have at least 10 years experience in the oil / gas or similar industry.

Desirable Accreditation:

Chartered Engineer CEng
Member of the IEEE

Strong hardware design experience in:

Digital Electronics

8/16/32 Embedded Processors

Analogue Electronics

Proficient in Altium Designer (Schematic Capture / PCB Layout & Tracking / Simulation / Library management)

Knowledge highly desirable in:

Power Electronics (SMPSU, BLDC Motor Drives etc.)

FPGA/CPLD programming

Wired communications systems / communications over power systems

High voltage equipment design / development / testing

Oil / gas / geothermal industries

ACTIVITIES WILL INCLUDE:

Management Based

Perform lead role in product development

Perform lead role in project management / planning in multiple projects, manage and progress work on multiple projects including the daily progress of other staff including other disciplines

Organise and participate in technical meetings / reviews / progress updates

Monitor / progress / initiate the manufacture / assembly / test of electronic / electrical systems

Estimating cost time resource (CTR) for new opportunities

Prepare technical proposals

Carry out peer review of internal / external products & systems

Client interface / technical support

Travel to customer / supplier premises for technical meetings / testing & integration of equipment and in support of business development activities

Participate / lead / instruct - software / mechanical engineers in the development of products / functions and operation of equipment / systems

Lead role in the development and enforcement of electrical & electronic procedures / H&S risk assessments / permits to work

Responsible for safe systems of work / overseeing safety of junior & other staff / customers and contractors working on the site

Determine / prepare job descriptions for the purpose of recruiting new staff, read CV's / select candidates and hold interviews

Mentoring junior / other staff

Performing new staff inductions

Carrying out staff appraisals

Engineering Based

Research and create solutions from initial client requirements to final product

Technical lead / authority in all electronics development

Perform lead role in systems architecture design

Systems engineering including diagrams / documents / presentations / holding meetings / third party interface

Transitioning product from development to production (Creation of Manufacturing Data Pack)

Specifying / procurement / deployment of test / bought out products components and any other items required for a product / system / demonstrator

Hardware debugging and commissioning (own products / colleagues / third party)

Specify / build / test data acquisition systems for test rigs

Create LabVIEW applications for test rigs and products

Generating Board / System specification documents

Generating design documents / operation manuals / test documents / technical notes / design calculations etc

Perform lead role in developing new concepts and ideas for novel electronics for high temperature environments

Analyze third party equipment and recommend possible upgrades / migration to new products

Prepare all required documents & drawings for design review