

Verification & Certification Engineer



Category Engineering



Based in Lancaster



Line Manager Chief Engineer



Salary £35,000

About Us

NanoSUN is a fast-growing start-up company that provides hydrogen fuelling equipment and green hydrogen fuel to the fuel cell industry. The company has built and sold small scale prototype equipment for hydrogen refuelling to multiple customers and segments. It has secured funding to commercialise small scale refuellers and develop a range of mobile hydrogen refuelling stations for trucks, buses & cars. Recently, NanoSUN completed its first large-scale refueller prototype and received €2.5 million in European Innovation Council funding to support development of this system, and subsequent field-trials. NanoSUN is an expanding company, with the current team made up of highly experienced industry experts coupled with graduate, PhD and post-doctoral engineers and scientists.

About the Role

The Verification and Certification Engineer role is critical to ensuring successful, accurate and timely Type Approval of NanoSUN's products. This role works within the Development Engineering team, and closely integrates with Project Engineers and Senior Project Engineers in charge of managing active projects.

The Verification and Certification Engineer is responsible for ensuring the product Validation and Verification (V&V) plans are sufficient to meet and/or exceed all regulatory criteria and industry guidance to enable the UK and European Type Approval of products under existing and future legislation.

In addition, this role interacts directly with Third Party "Notified Bodies" in ensuring design and operational data of sufficient quality and quantity is communicated to support Type Approval on time and to budget.

The Verification and Certification Engineer reports to the Chief Engineer.

Key responsibilities include:

- Deep involvement with the NanoSUN design process, understanding the applicable regulatory frameworks and generating structured V&V plans and activity in line with these
- Experimental and analytical analysis design in order to explore product attributes as required – experience in engineering analysis tools such as CFD and FEA preferred
- Responsibility for managing the Type Approval process with third-party "notified bodies", including managing of the working relationship at a technical level
- Holding external technical reviews with customers and notified bodies to understand their requirements and ensuring this feedback is incorporated into design work on active projects
- Leading internal reviews of technical requirement sets to ensure accuracy and consistency against customer and regulatory needs, as well as reviewing the ultimate designs and operational/test data to confirm compliance
- Producing Type Approval document packages in order to state compliance as required against all relevant legislation and regulatory frameworks
- Reporting on progress and presenting of key decisions to the Chief Engineer and Leadership Team

About You

- Minimum of BEng in an Engineering Discipline or equivalent in scientific field
- Relevant and successful experience of working within small teams
- Independent approach to assigned work, good at working in highly ambiguous conditions
- Strong analytical and numeracy skills
- Strong problem-solving skills with high attention to detail
- A strong grasp of structured verification and systems engineering principles
- Familiar with different methods of robustly designing experiments (DoE)
- Experience working with third-party approval bodies in the certification of a product or service
- A familiarity with the use of 3D design tools is preferable, as is ability to use analysis packages such as FEA and CFD modelling
- Experience in robust version control and management of documents, drawings, and models
- Excellent written and verbal communication skills
- Ability to plan and organise through several project stages
- An appreciation of wider business demands

What we Offer

- Salary: £35,000
- Pension Scheme
- 27.5 holiday plus bank holidays
- Flexible working
- Free on-site parking
- Opportunities for professional development
- Cycle to work scheme
- Discounted staff membership to onsite gym

How to Apply

To apply please email the following to abigail.cole@nanosun.co.uk stating the job title in the subject line.

- A full CV
- Current remuneration details
- Confirmation of your eligibility to work in the UK

We are an equal opportunities employer and welcome applications for all suitably qualified persons regardless of their race, sex, disability religion/belief, sexual orientation, or age.