

# Senior R&D Engineer



Category Research & Development



Based in Lancaster, UK



Line Manager R&D Director



Salary Range £40,000-£50,000

## 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 Senior R&D Engineer is responsible for leading the engineering work on one or more key projects. They have responsibility for the day-to-day tasking and technical coaching of a small but growing team of between 2 and 5 people. The role also necessitates robust project management to ensure on-time delivery of our products and services. This role reports to the R&D Director.

### Key Responsibilities Include:

- Working within NanoSUN's design process framework, lead deployed teams in research & development that will ultimately leads to new projects, products, and services
- Leading the engineering activity required to launch these programs of work, generate robust requirements, select appropriate concepts, and develop detailed designs
- Co-ordinating work on projects within the R&D department and co-ordinating with various functions across Mechanical and Electrical and Controls design
- Working alongside the Development and Verification engineering team to construct a Verification and Certification plan for the relevant program of work
- Communicating with the internal Engineering & Operations teams, as well as third party vendors and collaboration partners to manage assembly and commissioning of NanoSUN R&D test rigs
- Integrating and managing the needs of different internal and external stakeholders
- Constructing project plans and managing these plans on a continual basis
- Reporting on progress to the R&D Director at regular intervals, and be aware of strategic business direction and the impact of this on programs of work
- Completing technical reports for internal submission
- Attending customer meeting to discuss H2 Refuelling problems they currently face and the economics of future solutions that could be provided by NanoSUN
- Contributing to decision making on Technology Readiness Levels and the timescales and methods of implementation of new technologies into current and future product

## About You

### Core Skills

- Minimum of BEng level qualification in a relevant Engineering or Science discipline
- Project management experience of a significant engineering team and/or product
- Chartered engineer with a recognised industry body, or actively working towards chartership
- Relevant and successful experience in working with small sized R&D teams ideally including post-doctoral researchers
- Independent approach to assigned work, good at working in highly ambiguous conditions and able to form a structured plan activity
- Strong analytical and numeracy skills
- Strong problem-solving skills with high attention to detail
- A creative, logical approach for generating new ideas and innovative solutions to customer problems
- Experience in safety systems for designing and working with experimental rig that utilise high pressure flammable gases (especially hydrogen)
- A sound knowledge of computer aided design (CAD) software, technical drawings, and 3D modelling. However, the Senior R&D Engineer does not need to be an experienced practitioner of these tools
- Excellent written and verbal communication skills
- An understanding of New Product Development Road Maps & TRL assessments
- Ability to plan and organise multiple projects simultaneously *via* Stage Gate process
- An appreciation of Hydrogen fuel markets applicable to the energy shift to NetZero emissions
- An awareness of the environmental impact of design ideas

## What we Offer

- Salary Range: £40,000-£50,000 dependant on experience
- 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](mailto: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.