

Manufacturing Engineer (Service)



Category Manufacturing



Based in Lancaster, UK



Line Manager Senior Manufacturing Engineer



Salary Range £25,000-£30,000

About Us

Founded in 2017 by veterans of the industrial gases and hydrogen fuel-cell industries, NanoSUN is a fast-growing engineering company that develops novel cascade hydrogen fuelling technology for a wide range of hydrogen powered applications, where high pressure, safe and cost-effective hydrogen storage, distribution and dispensing solutions enable end users to operate zero-emission products.

Based in Lancaster we are uniquely placed close to the Lake District National Park, and the small city of Lancaster for local amenities, good schools and outstanding natural beauty. NanoSUN's team of highly experienced industry experts, coupled with early career engineers and scientists, is currently dedicated to the provision and scale up of its core product offering, the mobile Pioneer Hydrogen Refuelling Station (HRS). With a clear focus on accelerating hydrogen transportation across the UK and Europe, our innovative and convenient hydrogen refuelling system is specifically developed to facilitate hydrogen mobility and rapid, low-cost deployment of the support infrastructure needed to encourage the adoption of hydrogen vehicles from buses and heavy-duty trucks to construction and material handling equipment.

As a company driven by the twin goals of reducing carbon emissions and local air pollution, NanoSUN's primary objective is to supply optimal solutions for delivering hydrogen in the endeavor for hydrogen to become a major energy vector in a decarbonised world.

About the Role

Manufacturing Engineers (MEs) are business integrators. In collaboration with Design Engineering, they translate product design definition into optimised manufacturable products. An ME develops and improves manufacturing processes and procedures by applying innovation and best practice within product and manufacturing delivery frameworks. They further optimise associated processes and procedures for safety and efficiency by integrating engineered methods throughout the manufacturing environment. At its core, manufacturing method must be grounded in HSE - optimised manufacturing solutions for people, business, and product. This role will utilise those core ME skills and focus on issues around mobile hydrogen refuelling stations in service and in the field.

Manufacturing Engineer Job Duties:

- Understands, documents, controls and anticipates operations and in-service conditions to ensure mobile hydrogen refuelling equipment performs as intended.
- Prescribes manufacturing processes to maximise productivity by eliminating wastes; designing and conducting research programs; applying knowledge of product design, fabrication, assembly, tooling,

and materials; conferring with equipment vendors; soliciting observations and experience from operators.

- Develops manufacturing processes by studying product requirements; researching, designing, modifying, and testing manufacturing methods and equipment; conferring with equipment vendors.
- Assures product and process quality by designing testing methods; testing finished- product and process capabilities; establishing standards; confirming manufacturing processes.
- Provides manufacturing decision-making information by calculating production, labour, and material costs; reviewing production schedules; estimating future requirements.
- Prepares product and process reports by collecting, analysing, and summarizing information and trends.
- Maintains product and company reputation by complying with government regulations, regulatory frameworks, internal processes and industry best-practice
- Keeps equipment operational by specifying and coordinating maintenance and repair services; following manufacturer's instructions and established procedures; requesting special service.
- Maintains product and processes through use of systems and electronic tools
- Experience of engaging with technicians, writing standard and bespoke rework instructions for in-service repairs and getting appropriate approvals from design authority will be beneficial.
- Experience of working with electromechanical assemblies with a good knowledge of cable routing, cable tray arrangements, wiring looms and related electrical assembly will be beneficial
- Maintains professional and technical knowledge by attending educational workshops; reviewing professional publications; establishing personal networks; participating in professional societies.

About You

Manufacturing Engineer Skills and Qualifications:

- Dealing with Complexity, Informing Others, Project Management, Leadership, Supervision, Hardware Specifications, Manufacturing Methods and Procedures, Manufacturing Quality, Product Development, Presenting Technical Information, CAD, CAD/CAM Controls Design
- Design of processes, procedures and systems
- Purchasing and installing equipment
- Planning and organising maintenance while also repairing equipment
- Responding to ad hoc events (breakdowns, etc.) and troubleshooting and diagnosing faults
- Investigating production problems and making improvements to current operations to enhance efficiency
- Managing projects and integrating multiple functions
- Supervising staff and managing budgets while maintaining statistical and financial records
- Liaising with suppliers, customers and research and development staff

What we Offer

- Salary Range: £25,000-£30,000 depending on experience
- Pension Scheme
- 27.5 days holiday plus bank holidays
- Flexible working
- Free on-site parking
- Opportunities for professional development
- Cycle to work scheme
- Discounted staff membership to onsite gym
- Tree planted for every new employee

How to Apply

To apply please email the following to recruitment@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.