



NANOMOX[®]

Senior R&D Chemical Engineer

Job Title: Senior R&D Chemical Engineer

Line Manager: Head of Engineering

Direct Reports: No

Location: London(North Acton - TBC), Lab-based, with occasional travel to Pilot/Demonstration facilities, as needed

Working hours: 37.5hrs per week (full time)

Salary: £45k-£60k (in accordance to experience)

About the role

Nanomox is seeking an experienced Engineering and Safety Lead. This role will focus on Oxidative Ionothermal Synthesis (OIS[®]) and will include the design, building and operation of lab-scale product manufacturing processes/equipment. The R&D Chemical Engineer, in collaboration with the Head of R&D and Head of Engineering, will be responsible for supporting relevant areas involved in the delivery of Nanomox's portfolio of research activities, process and product scale-up activities, and manufacture of materials to support research and commercialisation activities. This role will also involve overall responsibility for the Health and Safety within the organisation including lab facilities, pilot/demo plant facilities and office/remote working, supported by on site team members.

What we are looking for (Essential):

- 3+ years' experience working in industry, or equivalent experience.
- Extra points (but not a deal breaker) is you have a PhD in Chemical Engineering, Hydrometallurgy, or related discipline.
- Previous experience designing, building and operating pilot plants and/or lab-based continuous production rigs.
- Previous responsibilities for managing Health and Safety within an organisation or academia.
- Excellent ability to prioritize and manage multiple competing tasks to ensure delivery is aligned with the needs of the organisation.
- Excellent research skills including hypothesis generation, experimental design, and data analysis and interpretation.
- Ability to work in a fast-paced environment and prioritize activities accordingly.
- Excellent interpersonal skills, able to collaborate within teams and external collaborators.
- Ability to navigate across different domains of knowledge.
- Demonstrated ability to find solutions in unknown and ambiguous situations.



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- Strong communication skills, both written and oral (English), with the ability to produce clear reports for both high-level and technical audiences.
- Ability to work independently and manage time effectively.
- Highly self-motivated, with a detail-oriented approach to work.
- Demonstrates professionalism in all interactions, including punctuality, tact, positivity, flexibility, and cooperation.
- Supports the vision, mission, and values of Nanomox.
- ***Candidates must be eligible to work in the United Kingdom.***

Key responsibilities:

- Ownership in the design, build and operation of Nanomox's nanomaterial manufacturing rig (Kg scale)
- Supporting project based activities within the R&D and Engineering departments that require involvement of the Kg scale production rig.
- Support Nanomox's research and commercialisation activities through Kg-scale production of materials, as needed.
- Identification and testing of additional technologies required to support pilot/demo plant scale-up and process optimisation.
- Provide Health and Safety support for the design, construction and commissioning of pilot/demo plant (from safety perspective).
- Responsible for managing designated subcontractors and service providers.
- Be Nanomox's designated Health and Safety lead with responsibility for ensuring appropriate Health and Safety within the organisation including lab facilities, pilot/demo plant facilities and office/remote working, supported by on site team members.
- Develop and conduct high-quality experimental test plans.
- Keep organised, accurate and up-to-date experimental records in line with organisational practices.
- Provide advice, technical support and troubleshooting across the organisation's portfolio of research projects as well as other areas, e.g. business development, grant applications, and strategy as may be required.
- Adhere to, and ensure adherence by other staff to, good laboratory practices and any relevant organisational processes and policies.
- Supervise the laboratory activities of other staff members, as required.
- Provide regular progress updates to the Head of R&D/Head of Engineering/CEO.
- Support academic or business collaborations.
- Other responsibilities as designated, from time to time, by the Head of Engineering.