

Job Description: Mechanical Engineer

Background

nuron is an innovative young company that specialise in Infrastructure technology, we make infrastructure intelligent. It is the only affordable way for asset owners/operators to achieve the move to net zero; whilst meeting the demands of climate change, overload due to increasing populations, aging/end of life assets and distributed generation.

We have a highly qualified team with skills in sensing, fibre optics, fluid mechanics, acoustics, robotics, data science, communications and monitoring software.

We develop both **solutions** and provide **services**.

1. Our first **Infratech Solution**, a unique globally-patented wastewater monitoring and fibre deployment system, which is proven in the field.
2. **nuron Infratech Services division** specialise in proving the feasibility of new product ideas and solving pressing problems for our customers, and scaling up concepts from lab to field.

Our wastewater solution will transform the wastewater industry into one that is monitored and managed, delivering real operational and economic benefits, while protecting the environment in which we live. We are now preparing to scale-up the technology, as part of a large commercial roll-out and develop solutions for other utilities.

We plan for nuron to grow considerably over the coming years with a business plan rolling-out 100s of Kms of our system each year, whilst scaling our Infratech Services division and delivering new Infratech Solutions.

To serve both the scale roll out of our technology and continue to serve the needs of our customers, nuron must grow and we want capable individuals who can deliver tangible, high-quality outcomes and love solving challenging problems.

This role offers an immediate opportunity for the right candidate to play a key role in an early-stage business, whilst providing a suite of development opportunities.

The Role

nuron is looking for people who are **responsible**, **creative** and **spirited** in everything they do to help grow our engineering capabilities to deliver reliable monitoring solutions for utilities globally and solve our customer's most demanding challenges.

The successful candidate will be practical and versatile with a 'can-do' attitude and a love of technology. They will have a passion for engineering & help nuron and our customers deliver commercially viable, field-ready and scalable technologies and solutions.

This is a fantastic opportunity to deliver significant value to nuron and our customers and grow with us. As we grow, there will be plenty of opportunities for promotion and growth in technical roles in the UK or abroad.

- Engineer critical parts of the nuron technology, delivering well-documented, field-ready products and services that meet the business requirements.
- Develop novel mechanical design solutions for our Infratech Services customers who want to enhance the value of their existing utility assets.
- Multidisciplinary background in mechanical engineering with three to four years of hands-on technical-related delivery experience
- Conduct product testing and validation, analyse results, and make adjustments to ensure optimal performance.

- Lead and support multi-disciplinary development projects, ensuring they are delivered on time and within budget.
- Support the continuous improvement of our technology, in collaboration with our Field Service team, to increase efficiencies and reduce costs.
- Support and guide our supplier's reference materials, components, final assembly, tooling, jigs and fixtures.
- Manage manufacturing suppliers and implement the necessary quality assurance processes.
- Continuously improve the nuron Engineering function by supporting the rest of the team with developing relevant standards and processes.
- Contribute to the engineering department's culture of continuous professional development, growth, world-class safety, customer service and technical excellence.

Requirements

Essential

- Master's degree in a mechanical engineering discipline
- Multidisciplinary work background in mechanical engineering with 3 to 4 years of hands-on technical-related delivery experience
- Product testing and validation methodologies experience
- Proficient with 3D Modelling and the use of CAD systems
- Strong technical background with excellent problem-solving and analytical skills in complex systems
- Ability to communicate design intent easily to stakeholders at all levels.
- Independent Self-reliance capability mixed equally with the ability to work as part of a small team.
- Ability to drive and hold others accountable in a culture of continuous improvement while balancing creativity with the much-needed process, structure and control.
- Pragmatic "self-starter" comfortable dealing with uncertainty and seeking appropriate support or assurance when required
- Competence with using hand tools and general machining tools.
- Well-developed communication skills (verbal and written)
- Strong eye for detail both in delivery, documentation, and record keeping
- Good Microsoft Office suite skills

Desirable but not essential

- Experience with Autodesk would be preferable.
- Optical fibre or telecoms experience
- Electrical / Electronic engineering experience
- Valid driver's license
- Experience working in a practical and fast-paced environment

Reporting to: Operations Manager

Location: Based at the nuron Engineering hub in Sheffield, with occasional travel to other suppliers, customers and partner sites across the UK and globally.

Hours: 37.5hrs per week

Salary: Competitive

If interested, please email your CV to: tom.garwood@nuron.tech