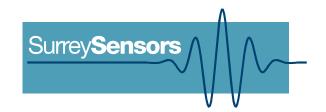# New opportunity:
Design Engineer

SurreySensors

Surrey Sensors Ltd. has an exciting opportunity for a permanent-track **Design Engineer** to join our Advanced Projects team in R&D, based in Guildford.

You will be responsible for all aspects of new product mechanical design, from requirements capture and conceptual development through to prototyping, testing and production design.

As a Design Engineer, your responsibilities will include

- Applying best engineering practice in the analytical and numerical modelling of measurement systems;

- Applying principles of value engineering in the detailed design of components and systems for production;

- Liaising with customers and contractors to capture requirements and constraints;

- Supervising and assuming responsibility for the final assembly, calibration and quality assurance processes of products;

- Producing technical documentation including calculations, drawings, reports and specifications in accordance with standards and procedures;

- Advising the Director of Research and Technology Director on potential market opportunities or new product requirements;

- Engaging positively with social media as appropriate with the role, to promote the company brand.

Who we're looking for:

We are looking for a creative, dedicated mechanical designer to join our dynamic, multidisciplinary advanced projects team.

The following qualifications, qualities and experience are **essential:**

- A first-class or upper-second class degree in a relevant engineering discipline from an accredited university programme;

- Training in mechanical design and the use of CAD and/or PLM software;

- A working knowledge of machining operations and advanced manufacturing techniques;

- The ability to manage your own workload and projects;

- The ability to interpret, understand and clearly communicate technical specifications and requirements.

The following qualities and experience are **desirable:**

- Experience with or training in Siemens Solid Edge PLM software;

- Experience with additive manufacturing (3D printing), including SLA, SLS, MJF and post-processing techniques for short-run production;

- Experience with or training in MATLAB mathematical modelling software;

- Experience with or training in National Instruments LabView software;

- Experience with or training in the C++ programming language;

- Experience with or training in the design, fabrication and/or packaging of digital systems and/or printed circuit boards;

- Experience in customer service or sales.

Why work for us:

Surrey Sensors Ltd. produces some of the world's most advanced fluid measurement technology for aerospace, automotive/motorsport, medical and research applications. We invest heavily in staff training and development, and you will be joining a highly-skilled, friendly and diverse team, applying your skills and creativity to developing exciting new products for a wide range of customers.

About us:

Surrey Sensors Ltd. is Guildford-based SME founded in 2015. With a strong focus on research and development, our high-value measurement products have disrupted the marketplace and enabled radical new technologies, from high-altitude, long-endurance unmanned aircraft to lung-function monitoring systems.

To apply:

For more information or to apply, please contact **info@surreysensors.com**