

13 November 2023

**Position:** Research Scientist / Engineer - Oxygen

**Location:** Ely, Cambridgeshire, UK

**Departments:** Research and Development

**Job Description:** Michell Instruments is a dynamic and fast-growing manufacturer of moisture and oxygen measurement technology based in Ely, Cambridgeshire.

Michell Instruments is part of Process Sensing Technologies, a group dedicated to providing precision sensing instrumentation to industrial customers around the world. The PST group has 12 manufacturing sites globally in addition to subsidiary offices in Europe, Asia, and the Americas.

You will be joining a multi-disciplinary research & development team developing Michell's oxygen sensing technology to fulfil the requirements of emerging applications in renewable energy and gas treatment.

Reporting to the Head of Research & Development, you will be responsible for:

- Hands-on contributions to the development of new products and manufacturing processes
- Design and test improvements that will achieve the desired product performance
- Reporting and disseminating findings to members of the team
- Contributing your knowledge to the wider innovation group to further the development of oxygen measurement technologies
- Assessment of obstacles and technical hurdles to the product's success, including manufacturability
- Understanding the technology landscape and Identifying opportunities for innovation
- Maintain an appreciation of the state of the art of oxygen measurement, and develop an understanding of the customer applications and competitive products to PST Michell's oxygen analysers

## Person Specification

### Qualities

- Inquisitive self-learner
- Self-motivated
- Open and able communicator
- Flexible, enthusiastic, and a good listener
- Effective team worker
- Attention to detail

## Qualifications

MSc or MEng in a science or engineering discipline. Physics or Materials Science qualifications desirable but not essential.

## Skills & Experience

### Essential:

- Good laboratory practice, understanding of safe gas handling
- Excellent written and verbal communication skills
- ability to deal effectively with a wide range of complex technical issues and develop cross-functional relationships.
- Creative problem-solving abilities, with a logical approach to implementation
- Ability to present complex information effectively to a range of audiences

### Desirable:

- 5 years experience in product development/manufacturing engineering or related environment
- Experience in the design, operation, or maintenance of gas analysis equipment
- Experience in the design, operation, or maintenance of gas-handling systems

## Benefits

Michell Instruments works a 37.5-hour week and offers a competitive benefits package, including

- Private family health insurance
- Income protection insurance
- Life assurance
- 5% pension fund contribution
- 25 days annual holiday (rising with length of service to a maximum of 27 days)
- Cycle to work scheme

If you are interested in the above position, please send your C.V. in the first instance to [judith.page@processsensing.com](mailto:judith.page@processsensing.com)