



New Product Introduction (NPI) Engineer

SUMMARY:

We are seeking a highly skilled and motivated NPI Engineer to join our dynamic team. The successful candidate will play a crucial role in the introduction of new products, specifically focusing on gas sensors and safety instruments. This role involves close collaboration with cross-functional teams to ensure the seamless transition of products from development to production, maintaining the highest standards of quality and reliability.

Key Responsibilities:

- **Product Development:** Collaborate with R&D, Product Management and manufacturing teams to develop and introduce new gas sensors and safety instruments.
- **Project Management:** Lead NPI projects, ensuring timelines, budgets, and quality standards are met.
- **Process Improvement:** Identify and implement process improvements to enhance product quality and manufacturing efficiency, including PFMEA's
- **Testing and Validation:** Oversee the testing and validation of new products to ensure they meet all regulatory and performance standards.
- **Documentation:** Prepare and maintain detailed documentation for all stages of product development and introduction.
- **Training:** Provide training and support to production teams on new products and processes.
- **Problem Solving:** Conduct root cause analysis and implement corrective actions for any issues that arise during the NPI process.
- **Compliance:** Ensure all products comply with relevant industry standards and regulations.

Skills and Qualifications:

- **Education:** Bachelor's degree in Engineering, preferably in Electronics, Mechanical, or a related field.
- **Experience:** Minimum of 3-5 years of experience in NPI, preferably within the gas sensor or safety instrument industry.
- **Technical Skills:** Strong understanding of gas sensor technologies and safety instruments. Proficiency in CAD software and other engineering tools.
- **Project Management:** Proven ability to manage multiple projects simultaneously, with strong organizational and time management skills.
- **Communication:** Excellent verbal and written communication skills, with the ability to work effectively with cross-functional teams.
- **Problem Solving:** Strong analytical and problem-solving skills, with a proactive approach to identifying and resolving issues.
- **Attention to Detail:** High level of attention to detail and commitment to quality.



EDUCATION, QUALIFICATION and EXPERIENCE:

- Essential: Degree level qualified
- Essential: 5 years + in engineering experience
- Desirable: experience in hazardous location ATEX design and certification EN 60079-11
- Desirable: previous experience of design to SIL2 functional safety EN 61508

REPORTING TO:

- You will report to the Engineering Manager

BENEFITS:

- 25 days annual leave + Bank Holidays (annual holiday increasing with service)
- Pension Scheme
- Life Assurance Scheme
- Private Medical Scheme
- Bike purchase Scheme

SALARY:

TBC

WORKING PATTERN:

Monday to Thursday: 08:30 – 17:00;

Friday 08:30 – 15:45

Full time

Permanent position

LOCATION:

This role is based at the Ion Science head office, located in Fowlmere, 10 miles south of Cambridge.

The role is required for you to be on site.

Our Core Values:



Fun



**Embrace
change**



Respectful



Responsive



**Challenge the
status QUO**



Committed

See what our employees have to say about working at ION: <https://ionscience.com/en/careers/>

Due to the high volume of CVs we receive, it might not be possible to provide feedback to all applicants. If you are successful, we will be in touch to arrange a call with our recruitment manager.