

Qualification and Reliability Engineer

Lumenisity is a spin out company from the Optoelectronics Research Centre (ORC) at the University of Southampton and is developing novel optical fibre technologies for a variety of end user applications. Having secured substantial funding from a consortium of industrial and private investors, we are in the construction phase of a purpose-built manufacturing facility and are building the team to work both independently and in continued collaboration with the ORC.

We seek dynamic candidates with energy and a passion for innovation to join and work with us in a small fast growing, multidisciplinary team to bring next generation products to market. This creative environment is one in which we anticipate people will develop professionally within a high growth company.

In return we can offer a creative and friendly environment, competitive compensation package and a commitment to exciting product development into a fast-developing field

What you will do:

You will be working across the operations and engineering groups, responsible for optical fibre, cable and optical component qualification and reliability testing to both internal and external specifications. Where no test standards exist for our technology, you will develop new tests to ensure products are fit for the required design lifetime. This will be completed on novel products, where you will be a key hands-on team member supporting product design and development. After executing the test plans you will report the results and make recommendations for product improvements.

Your day-to-day responsibilities:

- Interpret international standards to develop company testing capabilities
- Where no standard exists, propose and develop new standards and test methods
- Develop test plans to meet qualification and reliability requirements
- Plan and communicate demand for test sample manufacture
- Execute test plans and report results to the management team
- Use FMEAs and test results to identify improvements to product designs
- Support the training of test team staff on new processes and procedures
- Ensure test equipment is serviced, maintained and calibrated

- Promote best practices to ensure ease of manufacture and test
- Support, drive, and maintain a safe work environment
- Participate actively in continuous improvement programmes

Who You Are:

You will have a degree or higher equivalent in Science or Engineering, together with a good understanding of testing methodologies. Experience in optical or electronic component testing in a manufacturing environment would be advantageous.

Key knowledge and skills sought are:

- Working knowledge of optical fibre, cables, and components
- Working experience of optical and mechanical testing of optical products
- Working experience of optical fibre splicing
- Understanding of telecommunication test methods and standards
- Ability to develop reliability models with colleagues' support
- Ability to generate and communicate plans and execute them within a team
- Capability to record and present data in a logical and organised fashion
- Ability to ensure all test equipment is fit for purpose
- Ability to use computer-based systems for test and process monitoring
- Proficiency with Microsoft Office, LabVIEW & Python
- English language: excellent written and spoken, both colloquial and technical

Key attributes sought are:

- Self-motivated and self-reliant
- Creative and inventive problem solver
- Good attention to detail
- Capacity to clearly communicate ideas, issues, and proposals
- Willing to accept challenges
- Fast learning, adaptable and flexible
- Demonstrable understanding of quality system practices
- Develops positive working relationships

Location: We are located in Hampshire between Southampton and Romsey within a few minutes of the M27.

Interested?

Please send your CV/Resume with a covering email in confidence to recruitment@Lumenisity.com We shall respond to all enquiries.