



ESPA

New Product Development Engineer Internship

(TPPDE2410)

Apply here

Start date

January - March 2019

Duration

6 months

Languages

Good spoken and written English levels are required (B2 onwards)

Location

Redditch, England

A town in the county of Worcestershire, Redditch benefits hugely from proximity to Birmingham. This once important industrial centre now boasts a quieter pace of life with parks and gardens alongside local attractions, traditional English pubs and eateries. It is also well placed to explore further in to the Cotswolds and the Malvern Hills, both renowned areas of natural beauty.

Are you eligible?

Are you a registered student?
Or

Are you eligible to participate in the Erasmus+ programme?

Benefits

See website for details of all ESPA benefits. For all internships over 6 months, additional benefits will be paid. Details available at interview.

Role

This is a great opportunity for an innovative and pro-active Engineer interested in new product development to gain hands on practical design and testing skills. Mentored throughout, you will assist in the design and testing of thermal packaging to transport a whole range of products where maintaining a constant temperature is critical. With an emphasis on the use of recyclable and biodegradable materials, this is a fantastic opportunity for you to contribute positively to the future of the environment and gain a wide variety of new skills, great for both CV and career prospects.

Tasks

- Involvement in the research and development of new materials, within the new product development process, particularly focusing on recyclable and biodegradable plastic materials
- Participate in the delivery of innovative solutions that break the current industry trends
- Research and help develop scalable single and multi-use packaging solutions for key markets, focusing on thermal insulation, phase change materials and reflectivity for thermal capability
- Use Thermal Simulation software to assess potential product performance
- Recommend appropriate use of prototyping, protocol development, performance testing, component validation, specification development and qualification testing
- Prepare tests using approved process, equipment and materials
- Research Plastics Recycling processes and networks in different countries to support the development of detailed End of Life statements
- Costing of packaging components and final products
- Ensure adherence to all procedures and processes set up within the quality system
- Contribute to the continuous improvement of the quality systems in use within the company
- Responsible for the upkeep of technical documentation.

Personal Skills

- Background in Engineering, Materials Science or similar discipline
- Proficiency with Word, Excel and flow-charting software
- Knowledge of thermal simulation software would be an advantage
- Excellent analytical, organizational, negotiation and communication skills
- Ability to operate in a fast-paced environment and handle multiple projects simultaneously within set timeframes
- Excellent verbal, written, math and presentation skills, with great attention to detail.

The Host Company

The host company has a patented pioneering product that provides the life science and supply chain industries with qualified and Good Distribution Practice (GDP) compliant thermal protection. The company has an established range of solar materials, approved and used by many major pharmaceutical companies. With recent investment in its UK base, all testing is now in-house; a unique aspect in this sector allowing it to stay as a world leader in this field.