



## Apply here

### Start date

October 2017

### Duration

6 months

### Languages

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

### Location

Newport, South Wales  
This Cathedral and University city, sits on the river Usk only 12 miles from the Capital, Cardiff. Newport has a famously urban landscape that is currently experiencing a resurgent regeneration. Newport offers a good base for experiencing outdoor sports and country pursuits whilst also offering the finer trappings of a busy city.

### 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 an exciting opportunity Engineering role for an innovative individual working in one of the world's largest steel producing companies.

Concentrating on the production of electrical steel, the focus is to find solutions to increase efficiency and productivity in the manufacturing process.

There are 3 core projects, and the successful candidate will have the option to contribute to one of them; these are:

1. Developing capability in modelling of a rotating electrical machine,
2. Conducting short term laboratory research projects to develop new process methods
3. Assisting in targeted manufacturing trials to improve material performance in terms of repeatability

## Tasks

- Understand the technology of electrical steels
- Develop technical solutions to specific project requirements
- Translation of solutions to process concepts and plans
- Risk assess solutions against product capability criteria
- Implementation of technical solutions with robust project design and management
- Professional documentation of project outcomes

## Desired Skills

- Degree in material science or similar
- Strong communication skills
- Dynamic team player with ability to also work autonomously and proactively
- Project management experience
- Knowledge of engineering legislation
- Experience in an industrial environment highly desirable

## The Host Company

The company is among the top ten global Steel companies, employing over 80,000 people, across five continents, in nearly 50 countries. They produce specialised steels for electrical applications such as electrical generators, transformers and motors which are the future of our transport needs.