



ETI Summer Placements

The Energy Technologies Institute (ETI) is a public private partnership between global energy and engineering companies: BP, Caterpillar, EDF, Rolls-Royce, Shell and the UK Government. The ETI's work links academia, industry and government to develop energy technologies to help the UK address its long term emissions reductions targets.

The ETI's strategy team works to identify valuable low carbon technology opportunities, and to assess the strategic challenges surrounding the commercialisation of such new technologies. This work is underpinned by an analysis of the UK energy system and the technologies which may be part of it in the future.

Summer Placements

We are looking for three students to undertake 2017 summer placements within the ETI strategy team. The work will require the following attributes:

- Strong analytical skills: the ability to perform careful analysis and meaningful comparisons on real data
- Ability to communicate clearly and concisely key messages from complex source data and analysis
- Attention to detail: strong quality and results orientation
- Ability to work independently

The three placements will be working in the following areas:

1. Energy Modelling. This role needs strong quantitative skills, and will involve using ETI's computer models to analyse possible future energy systems for the UK. Understanding, interpreting and sense-checking computer model results will be important.
2. Energy networks and infrastructure. Using models and data to understand current infrastructure and the implications that this will have on future network choices. This project needs strong quantitative and analytical skills, ability to interpret and communicate outputs and ability to learn new software packages quickly. Experience of GIS or Python would be beneficial.
3. Transport modelling. This will include analysing transport trends across the UK, developing a model to consider how infrastructure and typical travel trends determine the suitability of electric vehicles. This role requires: a strong mathematical background, experience with large datasets, familiarity with MATLAB & Excel. Knowledge of SQL, Python or GIS may also be helpful.

To apply you should be either a student on an undergraduate degree course or a masters degree course. You should have an interest in energy and be studying a relevant subject, e.g. engineering, science, economics, energy policy.

The placements will last 10-12 weeks and the salary will be £15k pro rata plus reasonable travel and accommodation costs. The placements will be at the ETI offices in Loughborough.

To apply send a CV and covering letter, stating which of the 3 placements you wish to apply for, to:

Paula Clubbe (HR Assistant): Paula.Clubbe@eti.co.uk

Closing date for applications: 10th March 2017