

**University of Surrey**  
**Faculty of Engineering and Physical Sciences**  
**CENTRE FOR ENVIRONMENTAL STRATEGY**  
**Energy Efficiency Software Modelling - KTA Fellow**  
**Competitive salary and package up to £35,000**  
**(subject to experience and qualifications)**

In combination with the London based company Carbon Credentials, the University of Surrey are offering the opportunity to work on a 12 month KTA project to develop energy optimisation tools for reducing energy use and carbon dioxide emissions in buildings.

You will have a BSc/MSc in computing or energy modelling, or equivalent modelling or quantitative experience. Experience in data mining (SQL), in writing code with optimisation software, in utilising financial budget at risk methodologies and in the development of web based front-ends for database applications would be an advantage.

You will have some experience in, or knowledge of, the energy sector or built environment. In addition you will have good strong practical and theoretical skills, be proactive, a team player, have good personal and communication skills, work to deadlines, have interest in business development and a desire to improve project management skills. You will be demonstrably motivated, and with excellent organisational and interpersonal skills.

Carbon Credentials is a leading provider of sustainable energy savings solutions for commercial buildings in the UK, helping organisations to grow and profit from optimising their energy consumption. Their energy programmes include: energy buildings software; automated compliance reporting and certificates and the support to access vital grants and loans. They have a certified Carbon and Energy Management system for data collection, analysis and reporting. Using Carbon Credentials' systems and processes, commercial buildings can save up to 30% on energy costs, ensure regulatory compliance and become more marketable.

You will be employed as a KTA Research developing a specialised, yet simple energy software solution that will enhance energy efficiency progress and accelerate corporate sustainability and environmental efforts. Most existing tools and approaches for energy efficiency investment planning require extensive data sets developed through bespoke energy audits of the building in question.

Such methodologies are costly and time consuming, and thus the application is made to only selected buildings within an overall portfolio. The proposed technique will use detailed but generic mathematical models and probability based software solutions as a means for analysing the readily available building and project data to create a robust financial business case across large building portfolios.

You will work primarily at Carbon Credentials at their offices in Victoria, London and Farnham, Surrey and also at the Centre for Environmental Strategy at the University of Surrey

The successful candidate should be available immediately subject to any required notice period.

Informal enquiries by email to Mr Cian Duggan (Cian.Duggan@carboncredentials.com )

*Applicants should be aware that the United Kingdom Border Agency (UKBA) has currently imposed a limit on the number of migrants entering the UK. This limit is affecting the University's ability to sponsor staff under Tier 2 of the points-based system. Applicants should consider whether they can acquire the right to work in the UK on their own accord (e.g. EU national, Tier 1 or Tier 4 status).*

*We acknowledge, understand and embrace cultural diversity*