



Energy Local

Vacancy

Introduction

“Energy Local is a social enterprise that is transforming the electricity market for local communities and small-scale renewable generation. Our mission is to support the establishment of thousands of local, not-for-profit, Energy Local Clubs (ELCs). This will allow local renewable generation to be used locally, benefitting consumers, communities, and local renewable generators; building a better, local electricity system.”

We are a small team developing the Energy Local business model and, alongside it, a household DSR ‘Internet of things’ control system called the Home Hub. We work with a range of different partners in the electricity industry, for software and hardware development and local economic and social development. We are recruiting for a 1 or 2 part time staff with the following skills to support the data analysis and modelling for the business model and the further development of the DSR system.

Overview of Tasks

Part 1: Engagement

Develop an engagement plan to explain why demand side response is important and how it will help in the home. Set up events, focus groups and produce engagement materials to explain what the Home Hub does and how to get involved with the project.

Recruit project participants from the local area.

Organise house surveys (potential electricity loads) for potential home-hub installs in local houses.

Help set up and trouble shoot for the Home Hub in the homes recruited.

Develop questionnaire of people's interests and how well they adopted the Home Hub and document feedback.

Ability to operate in a English Welsh bilingual environment, ideally fluent in both languages.

Liaise and disseminate knowledge to second project location.

Project reporting.

Part 2 Modelling and Data Analysis

Extend and create models in Excel for estimating the balancing of electricity demand and generation and associated savings in a range of different scenarios with variation of inputs and use of statistical and mathematical techniques.

Develop user-friendly input and output sheets for the models

Use of data transfer systems such as sftp.

Keep records of changes and versions.

Write and use scripts to collate, graph and perform basic statistics from large data sets such as generation and demand data in xls and report on the findings.

Regular reporting of development work (via written reports and regular updates)

Part 3 Development of the communications, internet and internet of things

Develop test schedules and work with partners to test the different hardware and software components for Internet of things

Other requirements

Prepared to travel and liaise with households and range of other partners.

Flexibility to work to fit in with customers and households.

Understanding of social technical interfaces.

Ability to work with different organisations from corporates to communities.

Work within a project management framework, provide regular updates and contribute to discussions in management meetings.

Skills and experience

Knowledge of the electricity industry would be an advantage for all tasks

Part 1 Engagement

Experience in developing engagement plans.

Experience in developing engagement materials and explaining technical subjects.

Experience of working with communities and/or social landlords wardens and in a bilingual environment.

Part 2: Modelling and data analysis

Knowledge of modelling and statistical techniques.

Part 3: Development of the communications, internet and internet of things

High-level understanding of LAN communications to test the integration of internet of things systems (working with software developers and other specialists).

Experience and ability to discuss and develop scopes of projects and specifications.

Experience in developing and implementing testing schedules.

High-level understanding of HAN communications systems such as zigbee, doorbell frequency, ethernet, WiFi and electronics sufficient to test the integration of internet of things systems (working with software developers and other specialists).

Salary Range

£25-40k FTE plus benefits depending on experience.

Contact

Those interested please contact one the emails below with a CV and relevant experience. Please emphasise for which tasks you think you have the appropriate skills and experience.

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Any questions please ring 07757900408