

Job Description – Energy Optimisation Specialist

LCP Delta are looking to strengthen our development team as we continue to grow and develop new tools for our clients.

Job title:	Energy Optimisation Specialist
Reports to:	Energy Modelling team lead
Hours agreed:	35 per week
Location:	London

1. Job purpose

LCP Delta is working to enable the energy transition through a variety of offerings. One of these offerings is the tech enablement of vast datasets to inform key decision makers on energy market trends and provide valuable insights. We have a suite of products either in use or under development, from detailed dispatch modelling, in-house battery optimisation and real time trading analytics using machine learning algorithms. A key focus of our strategy is to leverage our optimisation skillset to enhance our modelling capabilities and develop into new areas.

This is an exciting role for an experienced analyst to join our fast-growing team and to play a key role in our growth. You'll be working with a wealth of experience across our energy modelling and tech and data team. This will involve developing cutting-edge enhancements to our optimisation models, including developing capability for our new web-based optimisation tools. Working with a range of tools from bespoke network simplex algorithms to open-source mixed-integer solvers, you will be crucial in developing exciting new projects from the ground up. Given the accelerated advancements of new AI techniques, it is vital that we stay on top of the latest developments. In an ever-changing market, the scope for future work is open to many possibilities.

2. Key responsibilities:

- To help explore new ways to exploit our existing optimisation capabilities.
- Develop our next suite of optimisation frameworks.
- Work with our clients to shape future work and grow business aims. Identifying problems and providing solutions in a timely manner.
- To be a competent, active, engaged and willing member of the consulting and development team.

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- To keep up to date with the developments and changes in the energy markets, to shape how our modelling frameworks changes with this.

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3. Skills / Knowledge

The successful candidate should be able to demonstrate working knowledge of, and a desire to develop, the skills below.

- Any object-oriented programming experience (Python, C#, Java, etc)
- Working experience with optimisation
- Commercial background in the energy industry
- Confident working with large datasets
- Comfortable explaining technical concepts in non-technical language, both internally and to our clients

The person will need to have good communication skills, be comfortable working as part of a team, and have an enthusiasm for learning new skills on the job.

It is desirable that the job holder be educated to degree level with a numerical background. It is essential that job holder is able to provide clear and logical thinking processes and has the ability to clearly communicate examples of work.

This job description describes the principal purpose and main elements of the job. It is a guide to the nature and main duties of the job as they exist currently, but is not intended as a wholly comprehensive or permanent schedule and is not part of the contract of employment.