



POSITION PROFILE
Energy Analyst



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Bute Energy Limited has built up a market-leading pipeline of Energy Park projects in Wales, constituting the largest onshore renewables development portfolio in the UK. The businesses' Energy Parks will combine the latest technology for onshore wind and solar generation to provide projects with some of the lowest Levelised Cost of Energy in the UK.

With an ambitious programme of deliverables for the year ahead, Bute is growing its existing team to drive the business through the next stages of consenting and delivery.

At Bute, our core values of courage, passion, community and integrity are central to our mission to work towards a sustainable world, now and for future generations; and to deliver green energy generation and infrastructure that benefits local communities and society as a whole.

We are a business that truly has people at the heart of everything we do, and we work hard to ensure that our people are supported and encouraged to succeed. We are proud of our culture and values and strive to ensure that every one of our people have that "feeling of belonging" and can bring their whole selves to work. This is an exciting opportunity to join a high-growth business and contribute to helping Wales reach its Net Zero targets.





Job Title:	Energy Analyst
Location:	Edinburgh or Cardiff
Reports to:	Senior Technical Manager

As an Energy Analyst, you will be involved in the design and analysis of our Greenfield Energy developments. Typical responsibilities will involve quality controlling, analysing and interpreting wind data from our meteorological masts and lidars, designing site layouts and undertaking pre-construction resource assessments.

The successful candidate will work with the Senior Energy Analyst and report to the Senior Technical Manager to deliver the day-to-day requirements of the business, as well as improve how we deliver projects and identify opportunities for automation and innovation of how we share information with our development colleagues. This is an enormously exciting opportunity to join a high-growth business and play a key role in its continued success while also gaining experience in the energy analysis field.

Main Responsibilities:

- Data collection, analysis and interpretation of measured wind data from met masts, lidar and Sodar to ensure maximum data coverage
- Design and review wind measurement campaigns of our greenfield wind developments
- Design and analyse our solar and battery storage developments; use of Pvsyst or any other solar software is a plus
- Calculate energy yield assessments, technical losses and uncertainties
- Model wind flow using linear wind flow models (WAsP) and CFD (WindSim)
- Develop, maintain and create python (or any other code) tools to improve analysis of wind data or energy yield assessment
- Review existing wind and solar energy literature to improve internal procedures and support gathering and interpreting relevant research and data

Experience & Background:

The ideal candidate will have the following personal characteristics and experience:

- A qualification in a highly numerate discipline e.g., engineering, physics, mathematics (essential)
- Experience using industry software such as WindPro, WAsP, WindFarmer, Windographer (essential)
- Wind data analysis experience (essential)
- Experience using Microsoft Office including Excel, Word and PowerPoint (essential)
- Knowledge of programming languages such as Python or R (desirable)



Candidate Profile:

- Ability to work well in a team environment to deliver on team goals
- Excellent communication skills in written and spoken English
- Ability to work on multiple projects simultaneously while keeping projects on time
- Strong analytical skills and the ability to collaborate effectively as part of a wider team
- Proactive and willing to seek improvements to workflows and processes while staying up to date with the best practices in energy yield assessments

General:

The above responsibilities are neither exclusive nor exhaustive, and the incumbent may be called upon to carry out such other appropriate alternative or additional duties as may be required, which are within their capability and competence.

Equality, Diversity & Inclusion:

Bute Energy is an inclusive workplace and encourages different perspectives, thoughts, ideas and backgrounds to ensure a truly innovative and exciting place to work, where everyone can be themselves. As an equal opportunities employer, Bute Energy is committed to the equal treatment of all current and prospective employees and does not condone discrimination on the basis of age, disability, sex, sexual orientation, pregnancy and maternity, race or ethnicity, religion or belief, gender identity, or marriage and civil partnership.

We aspire to have a diverse and inclusive workplace and strongly encourage suitably qualified applicants from a wide range of backgrounds to apply and join Bute Energy.





- Salary: Attractive package commensurate with background and experience required for the role. For more information on remuneration, please contact Rachel Sim.



Rachel Sim, Delivery Consultant

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The Recruitment Process:

- Initial interviews are with our retained advisors at Livingston James
- Interviews will involve meeting the Senior Technical Manager and other key stakeholders
- Applications should be sent to Rachel Sim at rachelsim@livingstonjames.com