



## **Conrad Energy**

### **Quantitative Analyst / Data Scientist**

#### **About Conrad Energy Ltd**

Conrad Energy is a UK energy company founded in 2017. Our focus is on assisting the renewable energy transition by developing embedded, decentralised, and localised generation. This is currently in the form of flexible generation plants, grid-connected batteries, and other forms of energy storage and grid support.

Phase two of our growth plan will expand to behind-the-meter generation, energy efficiency, solar and onshore wind projects. We operate our own trading desk and provide third-party energy management services, energy supply to large consumers and route-to-market power purchase agreements (“PPAs”) for other industry participants.

Presently, Conrad Energy is the largest flexible generation provider in the UK with a portfolio of over 700MW across over forty sites. This will grow to over 1000MW by the end of 2021 and we have a further pipeline of projects totalling 800MW that are in the late stages of development or about to enter construction.

Over the last 3 years, the company has expanded from a small single office base to running dual offices in Abingdon (Head Office) and Barnsley (Construction and Operations) alongside forty operational sites and numerous others spread across England & Wales in various states of construction.

Conrad Energy is supported by I Squared Capital, a US-based investor in energy and infrastructure with over \$30bn under management, around half of which is in renewable technologies.

## The Opportunity

- The quantitative analyst role offers the successful candidate the opportunity to join a fast expanding team that supports the delivery of Conrad's own and third-party assets to market.
- The successful candidate will have the opportunity to assist in developing new trading tools and strategies within the portfolio for both simple and complex asset optimisations. You will be involved in supporting the trading function in making better decisions through agnostic data-driven analytics and forecasting.
- You will have a proven record in forecasting using machine learning, data science techniques and/or neural networks and an understanding of generic market dynamics. Specific energy experience is not a prerequisite to this role although would be an advantage.
- Reporting to the Head of Trading, you will be a leader in delivering best practice modelling across the business, and an expert programmer with a strong analytical background. Knowledge of the latest forecasting techniques in data science is critical. You will be expected to lead on multiple projects looking at market evolution. These reflect changes in the forward and prompt prices, consumer and market behaviour and network operator charging methodologies.
- As a member of a small business, you must have strong influencing skills to drive change and promote wider business acceptance and buy-in. This will involve communication to varying levels of the business at variable levels of understanding. The ability to convey complex ideas in a simple and understandable manner is key.

## Requirements

- Masters degree in a numerical discipline from a top tier university.
- Experience using the latest data science techniques in forecasting and model development, the ability to demonstrate this at the interview stage is critical.
- Expert in data cleansing, management, statistics, and analysis.
- Programmer in one of C++ / Python / R / Java.
- Experience querying API platforms and querying using SQL.
- Excellent written and oral communication skills in English.
- An ability to work autonomously on projects, manage your own time and deliver in a timely fashion.
- Flexible and collaborative mindset.
- Understanding of Bayesian statistics and Monte Carlo modelling.

## Desirable

- Energy market experience, with relevance to major Western European commodity markets.
- Experience using or developing neural networks, using TensorFlow would be highly beneficial.
- Experience in end to end application development.

## **The Benefits We Will Give You**

Flexible base – home, Abingdon or Barnsley offices.

- Competitive salary
- Discretionary performance-based bonus
- 25 days' annual leave (plus bank holidays)
- Contributory Pension Scheme
- Life Insurance
- Flexible working
- Training and Development
- Salary sacrifice EV scheme

The deadline for applications is the 8th December 2021. Please note, however, that we will be shortlisting on an ongoing basis for this position, the company reserves the right to close the recruitment early should a suitable candidate be identified.