



## **Data Scientist**

**Location:** Melbourne or Sydney

In this dynamic role, the Data Scientist will play a crucial part in collaborating closely with the Technology, Markets and Trading team. The primary focus will be on building out analytics capability, integrating multiple data sources into a platform enabling insights that will support the team's decision-making. Reporting directly to the Senior Energy Market Analyst, the Data Scientist will oversee reporting on battery asset performance and give the team visibility on new electricity market opportunities.

In this role, you will have the unique opportunity to collaborate with various internal and external stakeholders, gaining valuable insights and hands-on experience.

## **Responsibilities**

### **Data Science and Data Engineering**

Demonstrate hands-on experience with integrating and querying large data sets.

Ability to work with data to derive meaningful insights and support decision-making processes.

Ability to automate data processing workflows

### **Python and SQL Coding**

Intermediate-level proficiency in Python coding, with the ability to leverage coding skills for data analysis and modelling

Proficiency in writing and interpreting SQL queries for analysis. We currently use MySQL but experience with any dialect of SQL is fine

### **Monitoring Electricity Trading**

Build reporting to assess trading performance to inform strategy, inputs and changes to our asset trading operations

Direct or indirect experience with electricity trading and NEM dispatch

Knowledge of NEM wholesale markets, electricity market contracting and derivatives

### **Passion for Energy Market and Data Science**

Demonstrate a genuine passion for the energy market and an enthusiasm for leveraging data science methodologies to enhance market insights.

### **Statistics and Machine Learning**

Undertake statistical analysis of electricity market data.

Apply machine learning where appropriate.

### **Storage (Desirable)**

Some technical knowledge in energy storage is desirable but not mandatory.

Willingness to learn and contribute to projects related to energy storage solutions.

### **PowerBI (Desirable)**

Familiarity with PowerBI or similar reporting platforms is desirable but not necessary.

Ability to work with data to derive meaningful insights and support decision-making processes.

**Qualifications:**

- Bachelor's degree in a relevant field (e.g., Energy Economics, Data Science, Engineering).
- Interest in energy market analysis, with a focus on power markets.
- Strong analytical and problem-solving skills.
- Excellent communication and presentation abilities.

**Operational Targets – 3 – 6 – 12 months****In the first 3 to 6 months**

- Analyse NEM market data and track battery performance across NEM and create comparison to assets
- Run forecast revenue tool (python-based) and publish report on a monthly basis
- Build PowerBI reporting on NEM data and revenue forecasts
- Develop automated pipeline for back-casting and production of quarterly asset performance reports based on public market data
- Ad hoc analysis tasks to solve specific problems

**In the first 6 to 12 months:**

- Assist in build-out of data warehouse including ETL processes
- Assess and propose improvements to HBESS and other operational assets on short term price forecasting strategy, bid strategy, optimization settings
- Automate market modelling and revenue forecasting processes and integrate with data warehouse (around GreenEarth, Origin, Plexos) where this represents a gain in overall productivity

**Competencies required of all our people**

- **Organisational:** Entrepreneurial thinking and acting - problem solving capability - innovation capability – proactive ‘can do’ attitude.
- **Social:** Highly motivated with a versatile personality - excellent interpersonal skills - client orientation, communicative - collaborative - keenness to knowledge share.
- **Implementation:** Self-management - result and solution orientated - quality awareness - Welfare, Health, Safety and Environmentally focused.
- **Culture:** Helps to build a foundation of trust – creates stability – instils kindness – provides structure – is and fosters accountability – cultivates a spirit of reliability – fosters respect.