



Optimisation Engineer (M/F)
Neoen Australia - Energy Management

About Neoen

Neoen is one of the world's leading independent producers of exclusively renewable energy. Neoen has 5.4 GW of solar, wind and storage capacity in operation or under construction in Australia, France, Finland, Mexico, El Salvador, Argentina, Ireland, Portugal, Jamaica, Mozambique, and Zambia. The company is also active in Croatia, Ecuador, Italy, Sweden, and the USA. Neoen's flagship assets include France's most powerful solar farm in Cestas (300 MWp), and two of the world's largest lithium-ion batteries: Hornsdale Power Reserve (150 MW / 193.5 MWh) and the Victorian Big Battery (300 MW / 450 MWh), in Australia.

A player in the fight against global warming and the energy transition, Neoen's mission is to design and implement the means to produce the most competitive renewable electricity, sustainably and on a large scale. As a responsible company whose long-term vision is reflected in a strong and sustainable growth strategy, Neoen is targeting more than 10 GW capacity in operation or under construction by end of 2025.

Neoen (ISIN Code: FR0011675362, ticker: NEOEN) is listed in Compartment A of the regulated market of Euronext Paris.

For more information: www.neoen.com

Role purpose

The **Energy Management** department is actively looking for an **Optimisation Engineer** to join its market team.

Neoen is actively developing its own automated bidding system to pilot its portfolio of operating assets, in particular large-scale storage assets. This system is based on a forecasting and optimisation algorithm, whose performance is critical for the performance of the asset given the Energy-only design of the Australian National Electricity Market, as well as the range of services being provided by our highly flexible large-scale storage assets (load shifting, frequency regulation and contingency services, network services).

Your role will be to lead the development of the optimisation algorithm and its efficient implementation on Neoen Australia's operating fleet of asset. This will include:

- Analysing operating asset's market performance and challenge current strategies.
- Developing the optimisation algorithms, as well as appropriate bidding strategies, for a fleet of assets. These will need to account for a number of challenging factors: operating constraints, hedging strategy against Neoen's innovative contractual schemes, market power of large-scale storage assets in shallow FCAS markets.
- Implementing these algorithms within Neoen's automated bidding system, respecting modern software development standards in terms of reliability and testability (TDD, Continuous Integration).
- Coordinating with Neoen's 24/7 Operating Control Center for the deployment on operating assets, ensuring that the strategies are manageable by the controllers.
- Developing the necessary data analysis tools to analyse Neoen's portfolio performance as well as market environment.



Candidate profile

- Post graduate degree in computer science or applied mathematics (operational research) or related fields
- Linear Optimisation Programming - strong knowledge (GAMS or equivalent optimisation software)
- Software development skills (Python)
- Data analysis (SQL/Pandas) and visualisation (Matplotlib/Plotly or equivalent)
- Strong communication skills
- Excellent analytical and problem-solving mindset
- Knowledge of the NEM and Australian energy markets is a plus – or appetite to learn
- Autonomy
- Strong appetite for innovation

Conditions

- Permanent contract
- Based in Canberra
- Starting date: as soon as possible

If you are interested, please send your resume and cover letter at careersaus@neoen.com