



Internship – Energy Markets & Data Science Assistant (M/F) Energy Management Department

About Neoen

Neoen is one of the world's leading and fastest growing independent producers of exclusively renewable energy. Neoen has over 4.8 GW of solar, wind and storage capacity in operation or under construction in Australia, France, Finland, Mexico, El Salvador, Argentina, Ireland, Jamaica, Mozambique, Portugal, and Zambia. The company is also present in Croatia, Ecuador, Sweden and the USA. Neoen's flagship assets are France's most powerful solar farm (300 MWp) in Cestas, and the world's largest lithium-ion power reserve (150 MW / 193.5 MWh storage capacity) in Hornsdale, 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

Our **Energy Management Department** is looking for an **Energy Markets & Data Science Assistant** to join its European team, based in Paris.

As the renewable energy market evolves, some of Neoen assets are increasingly exposed to the electricity market:

- Because only part of the solar or wind assets are contracted through a long term PPA
- Because the PPAs may induce a market exposure (minimum or maximum contracted volume, defined hourly curves...)
- Because they can sell different services. For example, storage assets can be active on several frequency services or on the energy markets.

This is the case in Australia, Finland, Ireland, El Salvador, and Mexico today. Managing this growing exposure to energy markets and supporting Neoen development with market expertise and modelling are the main missions of the Energy Management Department.

Operating in the electricity markets requires the continuous collection and analysis of large amount of data, and the development and maintenance of forecasting and optimization models to maximize revenues. As part of the Energy Management Europe team, the Energy Markets & Data Science Assistant will have the following responsibilities:

- Prepare market operations of new batteries currently under development in Europe:
 - Review and analyze market design, market products and market rules
 - Define go-to-market strategy and operational process

- Develop and implement required tools (predictive models, dispatch simulations, process automatization...)
- Monitor and report performances
- Work alongside the other members of the Team to:
 - Maintain and improve existing models used to optimize our European batteries already in operation on the different markets
 - Develop optimization and simulation tools to support new business opportunities (solar + storage, profiled PPAs...)
- Help with the day-to-day running of the team:
 - Monitor and maintain data collection services
 - Set up of new data feeds
 - Develop and maintain dashboards and reporting tools

Candidate profile

The candidate will need the following skills and experiences to succeed in this role:

- Education: Master's Degree student in Engineering, Applied Mathematics, Data or Computer Science
- Strong analytical skills, knowledge in Machine Learning techniques
- Knowledge in constrained optimization models (LP, MILP) would be a plus
- Strong Python capabilities with familiarity with data science libraries (pandas, sklearn, keras, ...)
- Experience or strong interest for the energy industry
- Language: Fluent in English and French
- On the soft skills side, we are looking for someone proactive and curious, with good communication skills and strong appetite for innovation and international collaboration

Conditions

End-of-studies internship (6 months)

Based in Paris

Starting date: February or March 2022

To apply, please send your Resume and Cover Letter to Jérémie Yvon, Energy Market Manager Europe
jeremie.yvon@neoen.com