NEOEN

Internship – Data Science

Energy Management Department

About Neoen

Founded in 2008, Neoen is one of the world's leading independent producers of exclusively renewable energy, with expertise in power generation – solar and onshore wind power – and storage. Neoen plays an active role in accelerating the energy transition of the countries where it operates by delivering clean, competitively-priced local energy. Neoen is a high-growth company: its capacity in operation or under construction has quadrupled over the last six years, and now stands at 8.9 GW, with the ambition to reach 10 GW in 2025.

Neoen operates near close to 200 assets across three continents. Its flagships include Western Downs Green Power Hub in Australia, comprised of the largest solar farm in the country (460 MWp) and Western Downs Battery (212 MW / 424 MWh); Collie Battery (219 MW / 877 MWh) one of the world's most powerful large-scale storage systems; France's most powerful solar farm (300 MWp) in Cestas; and Finland's largest wind farm (404 MW) in Mutkalampi.

Neoen is listed in Compartment A of Euronext's market in Paris (ISIN code: FR0011675362, Ticker: NEOEN). Since December 27, 2024, Neoen is majority-owned by Brookfield Renewable Holdings SAS, which filed in January 2025 a simplified cash tender offer for the remaining Neoen shares and OCEANEs.

Role purpose

Our **Energy Management Department** is looking for a **Data Science Intern** to join its European team, based at our headquarter in Paris, France.

As the renewable energy industry evolves, Neoen's portfolio of wind, solar and storage assets is increasingly exposed to the electricity markets. The Energy Management Department is in charge to manage this exposure and to optimize Neoen's operations in the electricity markets across our different geographies by combining market expertise and modelling capabilities.

As part of the Energy Management Europe, the Data Science Intern will contribute to the following tasks:

- Run the daily market operations of our batteries in Europe:
  - Maintain and improve our existing market models (optimization models, forecasting models) used to optimize our batteries
  - Monitor market conditions, price evolution and regulatory context to adjust the bidding strategy
- Expand our internal modelling capabilities by collaborating closely with our Quantitative Engineer:
  - Develop new optimization and simulation tools to support innovative business opportunities (solar + storage hybrid installation etc.)
  - Develop short-term and long-term electricity price forecasts
- Deliver data-driven market analysis and reports to Neoen's Senior Management
- Help with the day-to-day technical running of the team:
  - Monitor and maintain data collection services, Virtual Machines, Databases
  - 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:

- Last year of a Bachelor or Master's Degree student or undertaking a PhD in Engineering, Applied Mathematics, Data or Computer Science (essential)
- Experience or strong interest for the energy industry (essential)
- Good analytical skills, knowledge in Machine Learning techniques (essential)
- Knowledge in constrained optimization models (LP, MILP) (desirable)
- Python capabilities with familiarity with data science libraries (pandas, sklearn, keras, …) (essential)
- Strong organizational skills and attention to detail (essential)
- Ability to work independently and on several projects in parallel (essential)
- Strong interpersonal skills, excellent oral and written (essential)
- Integrity, ethical standards, and sound judgement (essential)
- Intellectual curiosity, passion and self-motivation (essential)
- Proactive and curious, with strong appetite for innovation and international collaboration (essential)
- Leadership and strong team spirit (essential)
- Fluency in English (essential)
- Fluency in French or another European language (desirable)

Conditions

Duration: 6 months
Based in Paris