

## Intern Analyst

### Becquerel Institute

The Becquerel Institute is a research oriented consulting company providing expert advice on solar PV (photovoltaics) and electricity markets, with a particular focus in the fields of PV markets, industry analysis, PV competitiveness within the electricity markets, regulatory and policy analysis, business modelling, financial instruments, and Building Integrated Photovoltaics. Our customers and partners represent the major stakeholders in the PV sector, in Europe and globally, such as Solar Power Europe, Solar United, the International Energy Agency (IEA), the International Renewable Energy Agency (IRENA), companies from the PV sector and research centres.

To effectively follow industry and market developments, we are looking for an Analytics Intern.

**Availability:** from January 2024

**Duration:** 4 to 6 months

**Location:** Brussels

#### ***Main missions:***

1. Research PV industry, technology, market and regulatory development at national level, in Europe and worldwide.
2. Improve company's in-house relational database management system, by developing a graphical interface, forms to add and extract data, a data verification tool, and automated data visualisation features.
3. Support in developing/improving techno-economic models with varied purposes, like:
  - Simulating the performances of energy generating systems, including solar PV with or without battery storage, solar thermal, heat pumps as well as conventional heating systems in buildings.
  - Assessing the competitiveness of the mentioned energy systems, based on the appropriate set of technical, economic and regulatory constraints, and the simulation of different consumption profiles.
  - Simulating the steps of the manufacturing processes of various components of solar PV systems, including the associated costs, for different commercial or under development technologies.
  - Assessing the environmental footprint of various components of solar PV systems, based on the LCA methodology.
  - Forecasting the evolution of costs and prices of various components of solar PV systems and battery storage systems.
4. Assist Becquerel Institute's team members in the frame of research and commercial projects, by collecting, analysing, and creating data visualisation boards, as well as in preparing and writing deliverables.

#### ***Profile:***

- Bachelor and soon-to-be completed Master in a strongly quantitative field, such as engineering, statistics, or economics studies (or equivalent).
- Additional studies on the Environment and/or (Renewable) Energy is an asset.
- Understanding of energy issues and strong interest in renewable energies.
- **Fluent in English (both written and oral).**
- Strong computer skills in general (being independent from an IT manager).
- Experience in statistical analysis and data management is an asset.
- Strong organisational skills.
- Fast learner, ability to work independently and demonstrate team spirit.
- Committed, dynamic, autonomous, and proactive.
- Sense of humour is an asset.

#### ***What Becquerel Institute offers:***

- Flexible working hours and possibilities to work from home on a regular basis.
- The opportunity to work in a team of young and dynamic individuals.
- The opportunity to work for 1 month (or more) in one of our offices in France, Spain or Sweden.
- Travel opportunities, in Europe and in the world.
- Working in a fast-evolving sector, at the heart of Europe, with partners and customers from all around the world.
- Possibility in the medium-term of a PhD with a partnering University.
- Possibility of eventually obtaining a CDI.

#### ***Important – Mandatory Conditions***

The proposed contract is a “Convention d’immersion professionnelle” and foresees a monthly reimbursement for expenses on a standard basis (997.10 EUR based on the 2023 rate). Prospective interns must fulfill this requirement to apply (please confirm it in your cover letter). Applicants with a scholarship, working on a thesis related to photovoltaic technology, are welcome to apply.

#### ***Application***

A CV and a short cover letter should be sent to the management at [jobs@becquerelinstitute.eu](mailto:jobs@becquerelinstitute.eu). Please quote in subject: “Intern – Analytics - Brussels” and indicate your availability dates. Please note that only short-listed candidates will be contacted for an interview. Interviews may be conducted via Teams. No refund of costs associated to travelling for the interview is foreseen.