

Context:

Global Energy Management & Sales (GEMS) is one of the business entities of ENGIE. Its mission is to ensure the competitiveness of the local business units of the Group and develop its own franchise through a comprehensive range of services related to energy management.

Within the Short-term Power as-a-Service (SPaaS) platform of GEM, the Power Day-ahead (PDA) desk supports a large range of internal and external customers in Central Western Europe (CWE) by providing power asset optimization services.

PDA aims at delivering spot value for power plants. To achieve its purpose, the team is accountable for:

- Carrying out daily (7/7) optimization runs for the portfolio of assets in scope (nuclear, coal, gas-fired, CHP, biomass and pump storage assets) and devising a bidding strategy on the day-ahead exchanges of CWE that maximizes revenue while ensuring physical balance.
- Costing and bidding of capacity contracts for ancillary services (FCR, aFRR and mFRR) tendered daily by national Transmission System Operators (TSOs) and to be delivered from the portfolios of Engie and its clients.
- Steering the short term (intra-month) production and maintenance planning of the assets, acting as the single point of contact towards local production sites, internal and external stakeholders.

Role description:

As Power Asset Optimizer, your role will be to:

- Take part in the daily (7/7) asset optimization activity, which includes:
 - Running optimization engines with fresh assumptions on commodity prices and asset availability to assess the best overall economic position of the portfolio.
 - Preparing a bidding strategy towards the day-ahead power exchanges that models accurately the constraints of each asset; exploits the use of all smart bidding products available; and minimizes the exposures of the portfolio.
 - Upon reception of the daily clearing results, computing and communicating the final production plans of each of the assets to the range of stakeholders involved in the process – notably the TSOs and Engie intraday teams – to prepare for delivery in real time.

- Carry out the costing and bidding of all contracts for ancillary services tendered daily by national TSOs, in compliance with the constraints and availability of the assets and arbitrating against all other market opportunities.
- Ensure a transparent logging of all transactions in the deal capture systems in use, as well as a thorough understanding of the P&L of every asset and a comprehensive reporting of the day-ahead activity.
- Coordinating the intra-month asset planning and maintenance scheduling of the portfolio by providing asset managers with up-to-date P&L assessments of the opportunities of their assets in short-term markets.
- Respect the contractual, regulatory and compliance frameworks at all times in order to avoid any penalties.
- Have a deep understanding of the power plants in the portfolio and their specificities, making sure that they are properly modelled across the IT landscape in place.

On top of these activities (and for about 25% of the time), you will contribute to projects around:

- Simplification and automation/digitalization of the desk activities.
- Development of power asset optimization services for third parties.
- Development of Day-ahead/Intraday optimization strategies.
- Development and maintenance of the IT optimization framework.

Qualifications:

- Master's degree in engineering or any other quantitative discipline (economics, computer science, finance, etc.)
- Good understanding of energy markets. Experience in energy risk management and asset optimization (short to long term) will be valued.
- Good understanding of the economics behind power plants, their technologies and how they are exploited in European power markets.
- Coding skills in languages such as Python and VBA (or a strong willingness to learn them) are essential.
- A structured and analytical personality with a hands-on and positive attitude, as well as a high attention to detail.
- Resilience to stress and willingness to take part in a rotating, on-duty shift system (7/7) requiring work over week-ends and bank holidays (with the appropriate compensation). As the reorganization of the platform evolves, performing other shifts (24/7) may be required.

- Ability to take initiatives and to operate in a demanding and fast-changing environment.
- Team player with strong communication skills.
- Fluent in English, with French and/or Dutch highly regarded as well.

What we offer:

- A window to short-term power markets and to the day-ahead exchanges in Central-Western Europe.
- The opportunity to optimize power plant portfolios with predominant positions across Europe, and that include state-of-the-art thermal and renewable assets.
- A position to liaise and cooperate with forward and intraday traders, risk officers, forecasters, power dispatchers and plant managers, middle- and back-office counterparts for a complete portfolio optimization experience.
- The means to develop coding skills in languages commonly in use in front operations and other relevant IT skills.
- An intellectually challenging job in a constantly evolving environment.
- Autonomy and the opportunity to take responsibilities.
- The possibility to grow professionally in one of the leading players of the European energy sector.

Additional Information

- Point of contact: Yuruán García Rangel.
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