VACANCY

Portfolio Quant (Asset Optimization & Trading)

About PZEM

PZEM focuses on Asset Optimization & Trading, Analytics and supplying energy products and services to the business market.

On the asset side, our Sloe and Rijnmond gas fired power plants make an active contribution to balancing the Dutch electricity grid. By combining the strategical optimization of our assets with the long- and short term trading capabilities, we actively manage PZEM's exposures in the NWE gas and power markets. Due to the significant further increase in installed capacity of solar and wind, market dynamics experience an ever growing requirement for flexibility. PZEM respond to this need for flexibility by pro-actively modelling and adjusting the Asset / PPA / Customer / Imbalance portfolios.

In 2023, PZEM strengthened their position by becoming part of the EPH group, with EP Netherlands as new shareholder and owner. Resulting in a mix of over 100 years of energy experience combined with the strength and innovation to further color our joint ambitions.

Department

Asset Optimization & Trading is responsible for the P&L of PZEM's assets within the trade horizon. The department consists of three teams: Asset Optimization, Trading and Shift Trading. Asset Optimization is responsible for the Optimization of PZEM's asset portfolio, including long-term PPAs, over the lifetime of the underlying contracts. Trading is responsible for hedging PZEM Energy's long-term, mid-term and day-ahead physical and financial energy exposures. Shift Trading is responsible for optimizing PZEM's power and gas portfolios in the intraday and imbalance markets. This team is active 24/7.

Currently we have a vacancy for a **Portfolio Quant** within the team of Asset Optimization. The Portfolio Quant determines, in close cooperation with Trading and Shift Trading, optimal bidding and hedging strategies for the different markets based on the overall portfolio positions taking into account the uncertainty of demand, wind production and flexibility of PZEM's power plants, with the aim of optimizing and capturing their extrinsic value. These responsibilities require a result-oriented quantitative professional with commercial affinity who can work under pressure to meet deadlines.

Key tasks

- Developing hedging and bidding strategies.
- Handling large amounts of data.
- Forecast and demand modelling.
- Power plant portfolio optimisation
- Customer portfolio optimisation.

Qualifications
Strong academic background (MSc or PhD) in a quantitative discipline (e.g. Econometrics, Engineering, Mathematics). A background and/or experience in Operations Research is preferred.

Knowledge, experience and skills in the specialist field
- Sound knowledge of quantitative methods and techniques and econometric/mathematical models.
- Experience in modelling and solving Mixed Integer Linear Problems is an advantage.
- Affinity with energy trading and of the relevant (international) markets, market developments and market information.
- Good programming skills and advanced knowledge of mathematical software. Preferably advanced knowledge of one of the following: Matlab, Python.
- Knowledge of Azure cloud environment is an advantage.

General skills
- Strong decision making skills along with taking the relevant responsibilities
- Team player that contributes to building team spirit
- Able to effectively communicate results to a variety of groups with different backgrounds
- Creative, innovative and seeking change.
- Good networking skills

Place of work
Middelburg, the Netherlands. A mix of working from home and from the office is a possibility.

Employee benefits
We offer excellent employee benefits, including discount on health insurance, attractive discounts for staff facilities, a Benefit Budget that lets you decide on the allocation of your benefits yourself, and a competitive salary.

More information
For more information about this position, please send an email to vacatures@pzem.nl with your questions and phone number and we will contact you as soon as possible.

Applications
Please send your application (in English) along with your CV to vacatures@pzem.nl. An assessment can be part of the selection procedure.