



EDF Trading – Job Description

Job title: Meteorologist / Weather Forecasting Analyst

Reports to: Tony Hamilton, Head of Meteorology

Location: London

Department: Meteorology

Position purpose: To provide detailed, accurate and timely short range weather forecast information and weather/climate analysis to traders and analysts to facilitate profit-taking in a fast-paced trading environment

Main responsibilities

- This will be a split role - with a detailed focus on short range weather forecasting in the mornings, and quantitative research/analysis of weather and climate data in the afternoon
- Analysis of global weather model data and creation of detailed short term forecasts for wind and solar production and temperature in Europe within the 5 day ahead time-horizon with minimal supervision.
- Clear and timely verbal and written communication of these forecasts to traders and other analysts.
- Running verification analysis to understand possible areas of improvement in forecasts
- Conducting data analysis of large datasets, constructing code to perform complex processing and manipulation of gridded atmospheric data, coding new GUI tools for operational use by meteorologists and analysts.
- Be prepared to start every day early (6 am). Weekend duties would not be required.

Experience required

- 2 to 3 years' experience in detailed short range operational meteorology (energy industry beneficial but not necessary) including the interpretation of meteorological charts from global and regional short and medium range atmospheric models
- At least 2 years' programming experience with Python (including use of packages such as numpy and pandas) is essential.

Technical requirements

- Knowledge of atmospheric processes and dynamics (e.g. Teleconnections) on a global scale and how they can impact Europe at the Continental- and Meso-scale
- Proficient with Python coding. Exposure to Matlab, SQL and/or VBA a strong advantage.
- An understanding of machine learning techniques and deriving statistics and information from large complex data sets.
- Experience working with GRIB and NetCDF files and in handling large environmental data sets (e.g. gridded reanalysis and forecast data)
- Experience with weather specific command line tools (e.g. CDO, NCO, NCL, wgrib2) and with database structures and web-scraping would be an advantage.

Person specification

- A passion for meteorology and weather forecasting
- Educated to degree level in meteorology, or a technical / mathematical degree
- Excellent communication skills; fluency in written and spoken English
- Strong interpersonal skills with a solid teamwork ethic
- Strong attention to detail with an ability to multitask and prioritize in a high-paced environment

Hours of work: 6.00am – 3.00pm / 40 hours per week, Monday to Friday