

Job Opportunities _ Electrical and Control Technology Engineer

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| Location: | Madrid, Oviedo, Seville, ES |
| Department: | Technology |
| Title of Direct Supervisor: | Director Electrical and Control Area |
| Area: | Electrical and Control |

Mission

The Electrical and Control Technology Engineer is responsible for perform Dynamic and Static Electrical simulations in design, construction, and operation processes for EDPR's clean energy power plants and storage systems, in accordance with the Director of the Area, and the norms in force, to fulfill grid operator requirements and to maximize the efficiency and guarantee an adequate management of the technological risk on those processes.

Main Accountabilities

Support during the design phase:

- To perform with the simulation tools Digsilent, PSCAD, PSSE the different electrical studies (dynamics, faults, reactive and active power behavior, auxiliary compensation systems, harmonics emissions, PV DC/AC ratio, Storage Capability, etc.) that allow to fulfill the grid code and to define the optimal electrical topology for the power plant.
- Management of dynamic electrical models: ie PPC, WTG, PV Solar, STATCOM, and storage, etc.

Support during the operation phase:

- To perform the needed electrical studies that allow to conclude by means of a Root Cause Analysis the origin of the wrong electrical behavior of the plants when reported by the platform's O&M (EU+BR, NA).
- To perform the electrical studies requested by Operations Department due to the requirements defined by TSO, DSO or any other entities.

Indirect reports: 0

Travel: 10% - 20% Internationally

Required Profile

Minimum qualifications:

- Master's degree in Industrial Engineering, Electrical Specialty.
- Knowledge of the wind and PV plants, with special focus on Electrical Simulations.
- Knowledge of Digsilent, PSCAD, PSSE. Other simulation tool (ETAP, MATLAB, etc.) will be a plus
- Proficient in English.

Preferred qualifications:

- Postgraduate studies in Renewable energies.

Behavioral requirements:

- Ability to perform duties in a collaborative, multi-national working environment
- High Attention to detail
- Strong written and verbal communication skills, interpersonal, and teamwork skills
- Ability to work productively with limited supervision
- Strong time-management skills and ability to multi-task
- Strong interest in environmental issues and renewable energy
- Ability and willingness to travel and work extended hours as needed

Physical Requirements:

- Sitting/Standing/Flexibility: Ability to stand and sit for 8 or more hours when in an office environment
- Walking: Ability to walk .5 to 1 km per day, including across unpaved and rough surfaces when on project sites, or manufacturing sites
- Speech/Reading: Ability to speak, read, and write English proficiently and deliver a variety of instructions furnished in written, verbal, diagram, or schedule form
- Lifting: Ability to lift items weighing up to 5 kg.
- Vision/Hearing: Ability to understand a variety of instructions furnished in written, verbal, diagram, or schedule form
- Tolerance to Extreme Weather Conditions: Ability to work in adverse weather conditions 25% of the time while on project sites
- Safety: Ability to understand and communicate safety precautions when necessary

If you have interested, please send your CV to carlamarcosrwp@edpr.com