sustainable projects
for a changing world

JOB TITLE

ELECTRICAL DESIGN INGINEER – HIGH VOLTAGE SUBSTATIONS (Secondary Installations); COR CODE: 215110

JOB TYPE

Full-time, on-site at CCEM headquarters, Bucharest – District 1, 13 Grigore Mora Str.

SHORT ROLE DESCRIPTION

The Electrical Design Engineer has the role of designing and coordinating technical solutions for protection, control, measurement, automation and SCADA systems in high voltage substations (110–400 kV).

He will ensure compliance with technical regulations and beneficiary requirements, actively contributing to the preparation of technical documentation, equipment selection and support in the construction and commissioning phases.

It is a key role in the functional integration of secondary installations within complex energy projects.

MAIN RESPONSIBILITIES

- Designing secondary installations (protection, controls, measurement, SCADA, automation) for high voltage substations (110/220/400 kV);
- Elaborating technical documentation: logic diagrams, current and voltage circuits, control and automation diagrams;
- Preparation of connection diagrams between protection and control equipment and primary equipment;
- Equipment selection, preparation of material lists and technical specifications;
- SCADA and IED system configuration, review and validation of execution drawings;
- Providing technical assistance on site: assembly, testing, commissioning;
- Preparation of approval documentations (ANRE, Transelectrica, distributors);
- Interdepartmental collaboration with multidisciplinary teams;
- Compliance with technical regulations, OHS and internal policies;
- Participation in vocational trainings, conferences, and other development activities;
- Participation in technical meetings with beneficiaries, contractors and authorities.

REQUIREMENTS

Education:

- Technical bachelor's and master's degree – Energy, Electrical Engineering, or related fields

Relevant Experience:

- Minimum 3-5 years in the design of electrical installations for high voltage substations

Technical and Digital Skills:

- Solid knowledge of protections, automation, digital relays, SCADA and IED;
- Familiarity with national / international standards (SR, IEC, EN), ANRE regulations and Transelectrica requirements;
- Experience in using AutoCAD / Eplan software (advanced level) and MS Office (medium level);
- Knowledge in using relay configuration software (e.g. DIGSI, PCM600) - advantage;
- Knowledge of industrial networks and communications - advantage.

Other Specific Requirements:

- Planning, analytical, communication and multidisciplinary teamwork skills;
- Ability to manage multiple projects simultaneously and meet deadlines;
- Intermediate / advanced knowledge of a foreign language of international circulation, preferably English;
- Availability for travel and field work.

WHAT WE OFFER

- Challenging technical and multidisciplinary projects with real impact on the energy transition;
- A collaborative work environment based on professionalism and mutual respect;
- Continuous learning opportunities and access to training, certifications, and technical conferences;
- Access to cutting-edge technologies and collaboration with top experts in the field;
- The opportunity to represent the company in key relationships with clients and institutions.

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