sustainable projects
for a changing world

JOB TITLE

ELECTRICAL DESIGN INGINEER – HIGH VOLTAGE SUBSTATIONS (Primary 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 developing technical documentation and design solutions for primary electrical equipment and installations in high voltage substations (110–400 kV).

The activity is focused exclusively on design, technical analysis and specialist assistance, without direct involvement in execution.

It is a key role in the functional integration of primary installations in high voltage substations within complex energy projects, thus contributing to the smooth running of the design process.

MAIN RESPONSIBILITIES

- Developing technical documentation (Feasibility Study, Basic and Detail Engineering) for primary installations;
- Designing single-line diagrams, locations, busbar routes, equipment positioning;
- Preparing technical specifications for primary equipment (e.g. transformers, circuit breakers, busbars, etc.);
- Analysis of technical proposals and assistance during the equipment selection process;
- Review and approval of technical documentation;
- Providing technical assistance during construction phase;
- Interdepartmental collaboration with multidisciplinary teams (secondary installations, SCADA, civil works, etc.);
- 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 support for the approval of works.

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 primary electrical installations for substations ≥100 kV

Technical and Digital Skills:

- Solid knowledge of high voltage equipment and technical regulations (SR, IEC, ANRE, Transelectrica);
- Familiarity with design standards (PEE, NTE, ANRE standards), installation sizing, thermal / mechanical calculation, short-circuit analysis;
- Experience in using AutoCAD / AutoCAD Electrical software (advanced level) and MS Office (medium level);
- Knowledge in using ETAP, EPLAN, DigSilent software - advantage.

Other Specific Requirements:

- Coordinating, 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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