

Position
Electrical engineer

Title
Electrical engineer

Minimum requirements
Master's degree in Electrical, Electronic, or Mechatronic Engineering, or equivalent

Competence group
Electrical systems

Scope of the group's expertise
R&D in power systems for the supply of experiments and systems; circuit and finite element modeling under normal or fault conditions; high- and medium-voltage network modeling.

Duties and responsibilities

- Participate in the installation and operation of power supply systems for the RFX Consortium experiments, in particular power conversion and AC distribution systems and high-voltage components;
- Perform steady-state and transient analysis of electrical circuits to verify design solutions and performance;
- Manage interfaces of power supplies and/or high-voltage components;
- Produce and update technical documentation necessary for project management support;
- Produce and update scientific reports, including participation in meetings and international conferences;
- Participate in experimental sessions, including shift work.

Preferred requirements

- Experience in designing, installing, and testing complex power conversion systems and/or high-power electrical components;
- Experience with switching power supplies and electrical systems based on thyristors and/or isolated high-voltage systems;
- Knowledge of transient circuit analysis;
- PhD in Industrial or Mechatronic engineering.

Contract type
Fixed-term position: 2-year contract, renewable