


Job offer details : Senior Research Engineer on Power Grid

Recruiter	 EDF China
Address	Pékin
City	Pékin
Reference	25D1764582865
Title of the Offer	Senior Research Engineer on Power Grid
Description of the mission	<p>You will work in the Integrated & Decarbonized Energy Systems group at EDF China R&D Centre in Beijing, and work closely with EDF France colleagues as well as local partners to support a broad range of Power System Research and Development on topics such as resilient distribution network, renewable energy and energy storage integration, direct-current (DC) distribution and power grid digitalization. Your activities may include the following scopes:</p> <ul style="list-style-type: none"> •Animate Power electric system relevant research activities according to the defined prioritized interests of EDF R&D group, including the following tasks (non-exclusive): <ul style="list-style-type: none"> oPerform technical literature review on identifying and developing innovative substation digitalization and distributed energy resources (DERs) control strategies to ensure reliability, stability and resilience of future power systems; oFeasibility study supports via modern software simulation for power distribution system static and dynamics behaviors in conjunction with power electronics systems under different inverter control strategies (i.e., grid-forming control); oPower quality, fault analyses and protection scheme developments & coordination for AC / DC distribution systems; oTechnical-economic analyses for DC power distribution systems, solar/energy storage, virtual power plants (VPPs) / microgrids, and DERs projects; oHelp participations associated with international standards development and industry consensus building; •Assist the development of technical strategies and perform power system simulations to serve the projects' needs. •You will also involve in cooperation and project development with Chinese academic and industrial partners. •Assist the development of new business and research projects collaborations with local EDF business units by contributing to analyses and proposals.
Type of contract	of 10 - 12 weeks
Teleworking	Not specified
Profile	Studies / R&D / Quality
Description of the company	<p>EDF R&D has three centers in France and six abroad to capture world energy sectors innovations and collaboratively perform applied research to tackle some of the world toughest energy challenges. You will join EDF R&D China center located in Beijing. You are expected to leverage your previous industrial and academic expertise and work with other Research Engineers and related departments colleagues to support the Power System Research & Development activities and innovative business in China.</p> <p>We value great talents and will provide the tailored career path to fit individual's career development needs. With high penetration of inverter-based resources in the grid network, the global utilities are facing similar technical and regulatory challenges to ensure a stable, reliable and resilient power grid. If you are an independent experienced researcher who are seeking a unique, challenging, and rewarding future career opportunity to build technical links between France and China, especially in the next generation of electric power system area, EDF R&D China centre may be the right place for you.</p>
Location	Pékin
Location code	Outside the EU
Country	China
Region	Beijing
Profile description	<p>REQUIRED SKILLS</p> <ul style="list-style-type: none"> •Engineers with more than 3 years' experience in power industry, holding Master or PhD degree in electrical engineering, ideally focusing on electric power system or power electronics, control and automation; •Solid power system knowledge, good computer and programming skills, be familiar with the electric power systems simulation and other numeric computing tools (e.g., MATLAB, OpenDSS, PowerFactory, PSCAD, eTAP);

•Professional, independent, positive attitudes with self-motivations and team spirit to work in a multicultural environment.

LANGUAGE SKILLS

•Chinese, mother tongue; Fluent English both written and spoken; French is a strong plus.

Sector Energy - Mining
Language English