



EDF (CHINA) HOLDING Ltd. – EDF R&D Department

Job Description

Department	Research & Development	Work Place	Beijing
Job Title	Urban energy planning engineer	Report to	R&D S2C Team leader
HR contact	edfbaphr@edf.fr	Filling Date	

CONTEXT

Among the wide spectrum of EDF's activities in China, one concerns the "sustainable city" projects. The S2C (Sustainable Cities China) team, part of the EDF R&D department located in EDF's headquarters in Beijing, explores new opportunities to valor EDF deep expertise in the low carbon energy chain and possible future business models in relation with business units among our international Group.

Such city or district related projects are mainly based on an up-stream or early planning stage consulting on energy related issues. EDF R&D works together with specialists and engineers, Chinese urban planning and design institutes or other foreign partners as well as in close relationship with other R&D teams in France and Germany.

YOUR MISSION

The goal is, through projects, to adapt and integrate EDF's low carbon approaches and competencies to the Chinese urbanization process.

Bringing your former skills in energy planning and acquiring new experience through EDF's expertise, the mission of the **urban energy planning engineer** is to support the S2C team in building and running such reference projects.

YOUR JOB

The candidate has to fulfill the requirement for the main tasks as follows:

- Having a global and integrative vision, to be able to design, quote and propose energy solutions in the scope of urban planning projects
- To be in charge of the writing of the energy chapters in urban planning reports and other technical expertise reports
- To be a technical interface with Chinese partners in urban planning projects
- To support the S2C team Project Development Manager and other EDF local teams in meetings with partners and customers
- To make the interface with EDF experts and engineers from both local and international departments in the framework of city projects
- Business trips in China are expected.

REQUIRED SKILLS

Educational skills and working experience:

- Master degree or higher from an engineering university or urban planning university in China, preferably with a Master Degree abroad



- Background Studies: ENERGY : Electricity, district energy, Environment (waste/water/air), HVAC, Green Building, Energy Efficiency, energy economics, ...
- A previous working experience in an Chinese energy design institute or urban planning design institute is preferable

Technical and personal skills:

- Competency in engineering in the energy fields: design, planning and quotation
- General knowledge and interest about sustainability, concerning related concepts and methods as well as expertise on technological solutions. Energy related aspects are of main interest (i.e. renewable and distributed energy, district energies or energy efficiency). Further expertise in other sectors like water, transport or waste are appreciated
- Knowledge of the Chinese regulatory context in Energy Planning, from Central Government policies to Local Provincial or Municipal regulations.
- Be friendly with tools and methods within the energy or sustainable building field – modeling or additional programming skills is a plus and be able to autonomously apply them to different energy solution proposals and evaluate their technical and economical feasibility
- Flexibility, adaptation skills and curiosity to different working environments and subjects
- Communication skills due to the multicultural working environment. Good writing aptitude

Language skills:

- Chinese as a mother tongue
- Excellent English level both spoken and written is mandatory
- Abilities in French language are welcome