



## EDF DAP CHINA DIVISION

### Job Description

Department	R&D	Work Place	Beijing
Job Title	Renewable Process Engineer	Report To	Thermal & Electrical Sustainable Solutions (TESS) team leader
HR contact	Mrs Christine ZHANG <a href="mailto:christine.zhang@edf.fr">christine.zhang@edf.fr</a>	Starting Date	June 2018

#### **YOUR MISSION**

Your mission is to work in the field of renewable energy, energy storage and innovative power generation system. Your contribution will cover the following topics: perform technologies assessment study, develop model for energy related system, follow experimental test campaign, build expertise in combustion phenomena and interact with our Chinese research partners.

More specifically your first task will cover the modelling of biomass boiler and biomass power plant and the follow up of biomass project. You will also be involved in the design and operation of industrial scale demonstration plant.

#### **YOUR WORK**

You will work in the TESS team located at EDF China R&D Centre in Beijing.

Here below, a short list of tasks describing your job is presented:

- Develop detailed performance model of biomass boiler
- Understand the mainstream biomass valorisation technologies including the global and Chinese market
- Support the development of renewable projects of EDF through technical expertise
- Perform techno-economic analysis of innovative renewable technologies
- Participate to feasibility studies and pre-design for experimental pilot plant or new project
- Follow the progress of academic and industrial partnership
- Work within a multi-cultural team

#### **REQUIRED SKILLS**

- Strongly motivated candidates holding master degree or PhD degree in process, thermal or combustion engineering or applied thermodynamics with a basic training in biomass renewable and combustion related issue. Modelling experience is also expected.
- An academic or industrial experience abroad would be appreciated.
- Good communication skills and team spirit.

#### **LANGUAGE SKILLS**

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

#### **CONTACT**

For applying this job, please send a cover letter and your CV both in Chinese and in English to:

Yann LE MOULLEC, [yann.le-moullec@edf.fr](mailto:yann.le-moullec@edf.fr)