Partenaire	EDF China
Adresse	Pékin
Ville	Pékin
Référence	20D1586434857
Titre	Process modelling engineer
Description du poste	YOUR MISSION

Your mission, in the field of local energy systems, heating, cooling and local electricity production, will cover a wide scope of clean technologies: heat pumps, geothermal energy, biomass energy, thermal energy storage, building energy efficiency, etc. More specifically you will develop numerical models to serve the projects' needs. These needs can be the optimisation and validation of the design choices of a new development, the improvement of the operation efficiency of an existing asset, or the technical-economic evaluation of an innovative solution for EDF R&D group, for example.

YOUR WORK
You will work in the Integrated Energy Solutions team located at EDF China R&D Centre in Beijing.

The tasks will include:
* Develop dynamic model of individual equipment, and innovative and efficient assemblies
* Develop control scheme for innovative systems
* Conduct operation data analysis and model calibration
* Perform optimization studies from simulation
* Perform techno-economic analysis
* Participate to feasibility studies and pre-design for experimental pilot or new projects
* Follow the progress of academic and industrial partnership

Type de contrat	Emploi
Métier	Etudes/ R&D / Qualité
Société	EDF
Localisation	Pékin
Pays	Chine
Profil recherché	REQUIRED SKILLS

• Strongly motivated candidates holding master degree or PhD degree in process engineering, HVAC engineering, or control engineering with a background in dynamic modelling.
• An academic or industrial experience abroad would be appreciated.
• Good communication skills and team spirit; motivation to work in a multicultural environment
LANGUAGE SKILLS
• Chinese, mother tongue.
• Fluent English both written and spoken.
• French is a strong plus.

Expérience	Expérimenté (3-10 ans)
Secteur	Énergie - Extraction
Langues	Anglais