

Process Engineer

Company

Our client is a leading player in the European energy market and the largest nuclear operator in the world. As an integrated electricity company with more than 70 years of power development experiences, they have comprehensive world-class industrial competitiveness in nuclear power, thermal power, hydropower and new energy power generation. Active and specialized in all aspects of power supply including electricity generation, transmission, distribution, sales, energy efficiency and energy trade, they can provide various integrated energy solutions in power project investment, engineering and management as well as grid transmission and distribution.

Responsibilities

This 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 the role is required to 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.

- 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

Requirements

- Native Chinese, fluent spoken and written English, French is a plus
- 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

Please send your resumes to :

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