

The Nivelles Service Center (NSC) in Belgium provides engineering and field services to the nuclear power utilities in Europe and worldwide. The Nivelles entity incorporates Westinghouse’s European Service Center, a fully-licensed Class 2 nuclear facility supporting our field service efforts at European operating reactors. Westinghouse Electric Belgium employs a multinational workforce of about 200 people.

Engineer Safety & Systems Analysis (m/f)

Technical/Academic Qualifications and Experience Required

- Master in Mechanical or Physics engineering, or equivalent (Expertise in thermodynamic, fluid mechanics and/or process control).
- Additional expertise in nuclear engineering, risk-based techniques and/or statistics aspects will be considered as a PLUS.
- Language capability: English (must), French and Dutch (wish), others (a plus).
- Good interpersonal skills.
- Motivated to work in the nuclear sector.
- Flexibility to accept international travel and/or work assignment(s).
- Potential for growing beyond immediate function.

Job Specifications and Duties

Includes but is not limited to:

- Performing Accident Analyses Calculations, using thermal-hydraulic computer codes.
- Performing other type of calculations and technical evaluations in support of the Projects
- Performing Fluid System capability evaluation/calculations. That implies the use of computer programs to calculate heat exchanger capabilities, head losses, flows, etc...
- Calculating accuracies for instrumentation channels used for plant protection and controls (based on statistical methods).
- Writing or updating System Descriptions and operation or licensing documents.
- Participating in the development of Project Licensing Report.
- Developing Emergency Operating Procedures aimed at preventing core melt.
- Developing Severe Accident Management Guidelines aimed at mitigating consequences of core melt accidents.
- Performing calculations for severe accident scenarios going beyond core melt.
- Lecturer in training courses (on technical subjects) provided to customers.

Other Requirements

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|----------------------------|--|---|---|
| • Customer contact: | <input type="checkbox"/> Critical | <input type="checkbox"/> Important | <input checked="" type="checkbox"/> Slight |
| • Management Capabilities: | <input type="checkbox"/> Essential | <input type="checkbox"/> Preferred | <input checked="" type="checkbox"/> Not Essential |
| • English: | <input checked="" type="checkbox"/> Spoken | <input checked="" type="checkbox"/> Written | <input checked="" type="checkbox"/> Read |
- Other European language is a plus



Westinghouse Electric Belgium

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