

Junior Design Engineer - Safety & Licensing

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Company: ENGIE

Location: Brussels

Category: computer-and-mathematical

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WORKING ENVIRONMENT

Within the Metier Nuclear Safety & Engineering, the groups Safety & Licensing Studies and Safety Implementation & SAR are responsible for the following activities:

- Safety & Licensing Studies: responsible for specific technical expertise related to radiological consequences, Statistical, Setpoint Studies, Internal & External Hazards assessment, Postulated Initiating Events, Safety classification of SSCs, Technical Specifications, Integrated Management Systems;
- Safety Implementation & SAR: providing the Safety Officer function, Development of Safety Options and Safety Requirements for new facilities, assistance to the client's nuclear licensing & permitting process, management of the Safety Analysis Reports;

MISSION

- Safety Officer function within projects: assure the proper consideration of nuclear licensing and safety aspects in studies/projects; establish safety requirements, analyse and ensure compliance with safety requirements, organise safety reviews, contacts with Safety Authorities;
- Assistance to the client's nuclear licensing process, including the establishment of associated documents such as PSAR and FSAR (preliminary and final safety assessment report);
- Safety analysis and assessment, e.g.: classification & qualification requirements with respect to safety functions and items important to safety, radiological consequences studies, internal and external hazards studies including definition of the load case, determination of PIE's

(postulated initiating events) and DBA's (design basis accidents), statistical setpoint studies of sensor threshold level.

Diploma/training required:

- a master's degree in engineering. A degree in Nuclear Science and a first relevant working experience constitutes a further asset;
- "Generalist", having knowledge of all technical disciplines enabling you to discuss on safety aspects related to these disciplines;
- Very good knowledge of Dutch, and good knowledge of English;
- With critical and inquiring mind, dynamic, rigorous and pragmatic;
- Able to write position papers and synthesis reports, able to write clear safety positions and argumentation;
- Good listener and communicator, capacity to develop personal contacts; good facilitating skills, diplomatic;
- With the capacity to take initiatives;
- Able to work autonomously;
- Willing to travel internationally for short missions

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