

Emmanuel GIRASA
Age : 44
Nationality : Belgian, Italian
Married, 1 child

384/4 Boulevard du Souverain
1160 Auderghem, Belgique
☎ : +32 2 662 16 55
☎ : +32 4 79 97 21 64
✉ : emmanuel.girasa@engie.com

PROJECT MANAGER

Professional experience

Since Nov. 2017 Head of Technical Support & Innovation for ENGIE Nuclear Segment Department

Main activities

- **Technological watch and R&D related to nuclear technologies, including advanced and modular reactors**
- **Participation to a WANO Peer Review in Paluel NPP as chemistry expert**
- **Member of the EUR coordination group for the assessment of the HPR1000 and APR1000 designs**
- **Participation to the expertise programme of ENGIE as Key Expert**

2013-2017 Nuclear Technology Development Manager, in charge of the ATMEA1 Technology for GDF Suez Nuclear Development Division

Main Activities

Project Manager of the review of the ATMEA1 Generic Detail Design

- Multi-expertise technical review in collaboration with Kansai Electric Power Company (Japan)

SINOP project

- Member of the EPC and regulatory / licensing working groups
- Leader for the preliminary engineering activities

Moorside project

- Member of the steering committee for the environmental impact assessment

2009-2012 PROJECT ENGINEER at GDF Suez Nucléaire France (Project Owner Department)

Main Activities

EPR Construction Project in France

- Writing and validating parts of the call for tenders
- Analysis of each offer received from the suppliers (AREVA, ALSTOM)
- Participation in the environmental impact assessment

ATMEA1 Project

- Analysis of all reactor safety options and of the assessment made by the French Safety Authorities
- Analysis of the nuclear cooling chain options
- Writing the Nuclear Safety Guidelines of GDF SUEZ concerning the human factor engineering program
- Technical and economic analysis of the reactor

1999-2009 LABORELEC (Technical Competence Centre for the Power Industry) – Department of Sustainable Process Technologies

Responsibilities

- Technical coordinator for cooling waters (2008-2009)

- Manager for the Nuclear Chemistry Project (2004-2007)
- Responsible for work packages for the Environment and Nuclear Chemistry projects (2002-2004)

Main Activities for GDF SUEZ Conventional and Nuclear Power Plants (worldwide)

- Construction of a pilot station for the study of cooling systems of power plants: project management from the specifications phase until commissioning and startup of the station (2007-2008)
- Member of three committees for the Electrical Power Research Institute (USA) Guidelines: primary water chemistry, secondary water chemistry and primary-to-secondary leaks (2002-2009)
- Analysis of the water chemistry impact on radiation doses for the Belgian NPPs (2006-2007)
- Design of and improvement of the chemical treatments of several cooling systems (2000-2009)
- Chemistry audits, inspections and technical expertise for GDF Suez power plants (1999-2009)
- Research activities in water treatment, corrosion, desalination and cooling towers (1999-2009)
- In charge of instruction of numerous trainings in water chemistry (2002-2009)

Winner of an ENGIE Innovation Trophy for the replacement of sulfuric acid by carbon dioxide for the treatment of cooling water in a power plant.

Education and Professional Training

2019	Presenting with impact (Wolters Kluwer Formations)
2018	Advanced English (UCL)
2016	Finance for non-financial managers (Engie University)
2015	Business development fundamentals and tools (Engie University)
2014-17	Project management : methods and tools – levels 1&2 (Elengia)
2014	Working with Japanese (Akteos)
2013	European AP1000 training - Westinghouse
2012-14	Physics of normal and accidental situations in PWRs (IRSN simulator)
2012	Human and organizational factors of safety (ICSI)
2011	Wastes and discharges of PWRs (INSTN)
2010	Functioning of the EPR France (AREVA)
2007	Time and priority management (Suez)
2005	R&D through innovation (Suez)
2001	Classical power plants (Electrabel)
2000	Basic program for executives (Electrabel)
1999	Master's Degree at Brussels' Institut Supérieur Industriel (Advanced Industrial Studies Institute) – Nuclear Chemistry Engineer

Other Technical Skills and Languages

- Industrial Chemistry, Environmental Issues, Nuclear Physics, Radiation Protection, Radioactive Waste Treatment
- Languages : French (mother tongue), English (fluent), Italian and Dutch (basic)

Main Publications

"Primary Chemistry as an Action Lever to Reduce the Source Term. Review of the Experience at Doel 3 and 4", *Proceedings of the Nuclear Plant Chemistry Conference 2010*, Quebec City, 2010

"On-site Evaluation of Fouling Release Coatings for the Protection of Cooling Circuits against Macroorganisms", *Proceedings of the Third International Conference on Hygienic Coatings & Surfaces*, Paris, 2005

"Polyaspartate, a New Alternative for the Conditioning of Cooling Water", *Proceedings of the 14th International Conference on the Properties of Water and Steam*, Kyoto, 2004

"Conditioning of Cooling Water in Power Stations. Feedback from Twenty Years of Experience with Acid Feeding", *Proceedings of the conference Water Chemistry in Nuclear Reactors Systems*, Avignon, 2002

Activities and interests

- Member of the Belgian Nuclear Society
- Administrator of the Association of Engineers in Applied Nuclear Science (2005-2009)
- Travelling and discovering new cultures
- Asian cooking
- Craft Belgian beer brewing