



Are you interested in working as a physicist in a high-tech environment? If so, apply to work at NRG as a:

NEUTRONICS ANALYST

NRG is Europe's largest supplier of medical isotopes and operator of the High Flux Reactor (HFR). It produces isotopes for around 10 million patient treatments per year in more than 90 countries. NRG also conducts nuclear technology research and is active in the development of new isotopes for both therapeutic and diagnostic uses.

What you will do:

- Perform neutronics computations and analyses in close contact with internal and external customers.

Examples include:

- Nuclear safety analyses for new and existing irradiation facilities in the High Flux Reactor
 - Pre- and post-irradiation calculations for irradiation experiments
 - Isotope yield calculations
 - Design and optimisation of irradiation facilities
 - Neutron activation and inventory calculations
 - Shielding analyses
- Carry out research for both commercial and government funded research programmes.
 - Take overall responsibility for projects.
 - Broaden and deepen the knowledge and quality of the team.
 - Develop new research and innovation proposals supporting the company and team strategy.
 - Contribute to the team strategy within your area(s) of expertise.
 - Develop a network and maintain contacts with clients, both internal and external.

You have:

- An academic degree.
- Technical background in neutronics and reactor physics.
- Preferably, you have obtained, or will obtain in the near future, a PhD degree in neutronics (MCNP or Serpent) and reactor physics methods.

You are:

- Focused on quality
- Ambitious
- A team player
- Motivated
- Good in developing and maintaining a network in your field of knowledge
- Inquisitive
- Structured and organized

What do we offer?

- Competitive salary, depending on education and work experience
- Temporary employment of one year, with a view to extension
- 6.3% year-end bonus and 8% holiday allowance
- At least 27 holidays and 12 flex days at full-time employment
- Allowance for travel expenses for commuting by private vehicle or public transport
- Opportunities to develop yourself and grow in your career

Unit

The Research & Innovation unit deals with all NRG's research and innovation activities. The focus of the unit is on new developments for nuclear energy and technology applications, and on the improvement of nuclear medicine and isotope production. On top of that, R&I maintains the nuclear knowledge base of NRG, which is fundamental to NRG's current and future business.

Team

The R&I unit has approximately 40 FTE and consists of a program development team, a Computational Physics for Solutions team, a Materials & Fuel qualification team, and an Isotopes Development team. The neutronics expertise can be found within the Computational Physics for Solutions team.

Information and application

Does this position appeal to you? If so, you can apply directly via our website <https://www.werkenbijnrg.eu> (vacancy code: N2019069/RI). The closure date is 10 October 2019. To know more about this position or our company, please contact our corporate recruiter Nancy Roggeveen via 06-15590245 or mail to hr@nrg.eu, or contact Steven van der Marck (vandermarck@nrg.eu), Computational Physics for Solutions, unit Research & Innovation.

NRG

NRG is an internationally-operating nuclear service provider. The company produces isotopes, conducts nuclear technological research, is a consultant on the safety and reliability of nuclear installations and provides services related to radiation protection. Research is performed for governments aimed at developing knowledge about nuclear technology.

The company has around 600 innovative employees with high quality know-how, and works for and with partners in healthcare, the energy market, industry, government and science. Further international development is one of our key ambitions. Our offices are located in Arnhem and Petten. The R&I unit is based in Petten.

