

Job Description for Professional Posts

Reference: NE2025/08

Position and Grade:	Associate Project Officer (Hydrogen Production), P2
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Organizational Unit:	Nuclear Power Technology Development Section Division of Nuclear Power
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Duty Station:	Vienna, Austria
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Type/Duration of Appointment:	FT – JPO, 1 year
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Organizational Setting

The objective of the Department of Nuclear Energy (NE) is to foster the efficient and safe use of nuclear power by supporting interested Member States in: improving the performance of nuclear power plants, the nuclear fuel cycle, and the management of nuclear wastes; catalysing innovation in nuclear power and fuel cycle technologies; developing indigenous capabilities around the world for national energy planning; deploying new nuclear power plants; preserving and disseminating nuclear information and knowledge; and advancing science and industry through improved operation of research reactors.

The department has a dynamic, participative and interactive operating environment with inputs received from the Board of Governors, the General Conference, policy and decision-makers, and technical counterparts in Member States and the international development community.

The Division of Nuclear Power comprises the Nuclear Power Engineering Section, the Nuclear Power Technology Development Section, the Nuclear Infrastructure Development Section and the INPRO (International Project on Innovative Nuclear Reactors and Fuel Cycles) Section. The Division provides core engineering, technological, human resource development and management support to interested Member States in the field of nuclear power.

The Nuclear Power Technology Development Section assists Member States in developing safe, environmentally benign, economically viable, proliferation resistant and sustainable innovative solutions for all civil reactor technologies, including water-cooled reactors, gas-cooled reactors, fast neutron systems (both critical and sub-critical) as well as small and medium-sized reactors. The section fosters international collaboration on technology development for reactor plants and for non-electric uses of nuclear power by facilitating coordinated research projects, technical meetings, and training courses. The section also maintains the Advanced Reactor Information System (ARIS) and Thermophysical Properties of Nuclear Materials (THERPRO) databases.

Main Purpose

As a member of the Nuclear Power Technology Development Section (NPTDS), the Associate Project Officer (Hydrogen Production) assists in the planning, organization and implementation of the IAEA's activities and projects in the field of nuclear hydrogen production. They report to the Technical Lead of the Non-Electric Applications Team.

Role

The Associate Project Officer (Hydrogen Production) fulfils the role of a technical expert by providing assistance in managing projects, and organizing and conducting Workshops, Training Courses and Technical and Consultancy Meetings in the area of nuclear hydrogen production. She/He will assist in producing and reviewing documents relating to nuclear hydrogen production.

Partnerships

The Associate Project Officer (Hydrogen Production) works closely with members of the Non-Electric Applications Team and the NPTDS, as well as with the counterparts from Member States and international institutions under the IAEA framework.

Functions / Key Results Expected

- Support the implementation of the IAEA's activities on nuclear hydrogen production to meet IAEA programmatic objectives.
- Assist in the preparation of technical reports and the development and maintenance of databases and toolkits related to nuclear hydrogen production.
- Participate in organizing and conducting IAEA Coordinated Research Projects managed by the Non-Electric Applications Team within NPTDS.
- Provide assistance to the Technical Lead in the ongoing technical activities of the project, gain an overall understanding of the project outputs/outcomes and support in preparation of technical reports and documents.
- Support the ongoing activities in the organization of the Technical and Consultants Meetings organized by the Non-Electric Applications Team.
- Prepare end-of-term report and presentation demonstrating experience and results obtained during the term.

Competencies and Expertise (do not revise or edit)

Core Competencies		
Competence	Occupational Role	Behavioural Indicator
Communication	Individual Contributor	Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen and understand the perspective of others and proposes solutions.
Achieving Results	Individual Contributor	Takes initiative in defining realistic outputs and clarifying roles, responsibilities and expected results in the context of the Department/Division's programme. Evaluates his/her results realistically, drawing conclusions from lessons learned.
Teamwork	Individual Contributor	Actively contributes to achieving team results. Supports team decisions.
Planning and Organizing	Individual Contributor	Plans and organizes his/her own work in support of achieving the team or Section's priorities. Takes into account potential changes and proposes contingency plans.

Functional Competencies		
Competence	Occupational Role	Behavioural Indicator
Analytical Thinking	Associate	Gathers and analyses information, identifying critical relationships and patterns among data and proposes workable solutions
Judgement/decision making	Associate	Consults with supervisor/manager and makes decisions in full compliance with the Agency's regulations and rules.
Partnership building	Associate	Develops and maintains partnerships needed for his/her work. Establishes and nurtures positive relations with partners and stakeholders.
Technical/scientific credibility	Associate	Acquires and applies new skills to remain up to date in his/her area of expertise. Reliably applies knowledge of basic technical/scientific methods and concepts.

Expertise	
Expertise	Description
Nuclear Engineering Nuclear Power for Non-Electric Applications	Expertise in all aspects of nuclear hydrogen production (including technologies, commercial deployment considerations, etc).
Nuclear Engineering Nuclear Engineering and Technology	Good understanding of advanced nuclear power reactor design and developmental activities.

Education, Experience and Language Skills

- University degree in nuclear engineering, mechanical engineering, chemical engineering or another related field.
- Minimum two years of experience in the field of nuclear energy of which one year of experience in nuclear hydrogen production.
- Familiarity with innovative nuclear reactor concepts.
- Experience of working in a national/international nuclear organization or institute is desirable.
- Excellent oral and written command of English. Knowledge of other official IAEA languages (Arabic, Chinese, French, Russian and Spanish) is an asset.