



VACANCY NOTICE

Technical Officer

Fusion for Energy (F4E) is hiring a Technical Officer - Nuclear Qualification who will play a key role in furthering F4E's contribution to the construction and operation of ITER, the largest fusion energy device/machine in the world.

Reference	Grade	Location	Closing date
F4E/TA/AD6/2023/0257	Temporary Agent AD6	Barcelona, Spain ⁱ	12/05/2023 - 18:00 noon (CET)

Is this job for you?

If you want to make a difference to the future of sustainable energy and would like to work on a multi-billion euro first-of-a-kind development project, this job is for you.

Together with a strong experience in qualification of nuclear components and in experimental tests, good analytical capabilities and organisational skills are key traits of the successful candidate.

Why F4E?

F4E, a European Union Joint Undertaking headquartered in Barcelona. It specifies and manages the production of the European contribution (45%) to ITER. This research fusion machine/device, currently under construction in Cadarache, France, will constitute a major leap towards the clean and sustainable generation of abundant baseload energy, complementing renewables. To find out more about F4E, visit us at <https://fusionforenergy.europa.eu/>.

We are committed to Diversity & Inclusion

Fusion for Energy is an equal opportunities employer and takes care to avoid any form of discrimination. As part of its commitment to diversity, gender equality and geographical distribution, F4E strongly encourages applications from female candidates and applies a policy of equal opportunities. It does not discriminate against anyone on grounds of gender, race, colour, ethnic or social origin, genetic features, religion or belief, political or any other opinion, membership of a national minority, property, birth, disability or sexual orientation. Fusion for Energy offers measures to reconcile professional and private life and will provide reasonable adjustments at the workplace for persons with disabilities.

Your key areas of impact

As a member of the Engineering Unit, the Technical Officer - Nuclear Qualification will work liaising with the Programme Managers of ITER Delivery (ITER-D) and ITER Programme (ITER-P) Departments, the managers of the Engineering Unit and the Nuclear Safety and Quality Assurance Units of the Project Management Department and will work under the coordination of the Analysis and Codes Group Leader

The successful candidate will amongst other tasks:

- Contribute to the development and the implementation of practical tools and sharing the lessons learnt for the qualification of active and passive Protection Important Components (PIC) (guidelines, database, common protocol, review process, etc.);
- Support the development of technical specifications and the follow up of sub-contracted activities in the area of Nuclear Qualification (Nuclear Engineering, Nuclear Safety, Qualification by tests and analysis of mechanical and I&C components);
- Provide expertise, technical review and assessments related to the qualification of active or passive PIC components to be delivered by the ITER-D and ITER-P Programmes;
- Handle the technical follow-up of contracts related to Qualification and Experimental Testing with EU Universities, Associations and Industries;
- Liaise on behalf of F4E with the relevant ITER International Organisation Technical Responsible Officers working for Qualification;
- Coordinate F4E R&D activities related to Qualification and Functional Testing;
- Provide support and expertise for the Functional Testing of SR or Non-PIC Components;
- Represent F4E in the relevant National or International Committees and Working Groups related to Qualification;
- Supervise external service providers and F4E experts contracts;
- Report regularly and timely on possible issues.

The work will be done in collaboration with a Senior Technical Officer in coordination with the Knowledge Management Community on Qualification.

What can we offer you?

Life in Barcelona

Barcelona offers professionals and families a high quality of life. It has a year round average temperature of 18°C and complements its cosmopolitan lifestyle and vibrant cultural life with the nature of the Mediterranean coastline and the Pyrenees.

The city is strategically located between the sea and the mountains and it is served by an international airport. Barcelona is a cosmopolitan city with Roman remains, medieval quarters and the most beautiful examples of 20th century modernism and avant-garde architecture.

Salary and benefits

As an indication, the basic monthly salary, for grade AD6 (step 1) is currently € 5,805.35 In addition to the basic salary, staff members may be entitled to various allowances, in particular a household allowance, expatriation allowance (16% of basic salary and household allowance), dependent child allowance and education allowance. The salaries of temporary agents are subject to a community tax deducted at source and are exempt from national taxation.

Where you would need to relocate, you would normally benefit from relocation and removal reimbursements. F4E has agreements with a wide range of international schools to support access to schooling for the dependent children of its staff.

Work-life balance

F4E enables staff members to reconcile family and professional life by offering flexible work arrangements and teleworking.

F4E staff members enjoy a basic entitlement of 24 days of annual leave as well as +/- 18 statutory public holidays per annum. Additional leave days may be granted for age and distance from the place of origin.

How will we evaluate your application?

A Eligibility Criteria - you can apply if:

A1. You fulfil five general requirements

1. Being a citizen of one of the Member States of the European Union or of a third state fully associated with the Euratom fusion programme.
2. Enjoying your full rights as a citizenⁱⁱ.
3. Have fulfilled the obligations imposed on you by the laws of your home country concerning military service.
4. Producing the appropriate character references as to your suitability for the performance of your duties.
5. Being physically fit to perform your dutiesⁱⁱⁱ.

A2. Your Education & Experience are in line with our requirements^{iv}

On the closing date of the application process, you must have:

A level of education which corresponds to completed university studies of at least three years attested by a diploma and, after having obtained the university degree, at least 3 years of proven professional experience.

A3. Your Language Skills are developed

You must produce evidence of excellent written and spoken communications in English and of a satisfactory knowledge of another official language of the European Union.

B Your Qualifications and Experience

B1. It is essential that your professional history covers the following areas

- University degree in Engineering: Industrial, Mechanical, Electrical, Material, Nuclear or any equivalent technical engineering discipline;
- Proven experience of at least 3 years in the role of technical engineer in charge of technical projects related to qualification of nuclear components (application of RCC-M, RCC-E, ASME III or equivalent);
- Proven experience of at least 2 years in specifying, performing or supervising experimental tests (mechanical, radiation, seismic, ageing, thermal, SMF or EMC tests) of active or passive components;
- Proven experience of at least 2 years in at least 2 of the 5 following fields:

- Mechanical or Seismic testing or analysis
 - Radiation testing or neutronic analysis
 - Ageing testing or analysis
 - Thermal testing or thermal analysis
 - SMF or EMC testing or electromagnetic analysis
- Evidence of excellent written and spoken communications in English, the working language of F4E.

B2. Advantageous Selection Criteria

In addition to the above, the following criteria will be considered:

- Working experience in a European or international setting;
- Experience of RCC-M, RCC-E, ASME III or equivalent Nuclear Standards for Qualification;
- Experience of Quality Assurance documentation applicable to testing and qualification (for nuclear, space and aircraft industry);
- Participation to Working Groups for sharing of lessons learnt and capitalization of experience;
- Experience in providing support to the management of contracts similar to those described in point 2 in section 'Your Key Areas of Impact';
- Experience of mechanical, electromagnetic, electrical, thermal, seismic or neutronic analysis
- Advanced knowledge of MS Office, in particular Excel;
- Experience of at least one year in design or manufacturing of ITER or "Big Science" related components;
- Knowledge of French.

B3. Competencies

The following competences will also be assessed:

- Good analytical capabilities;
- Strong communication skills;
- Good organisational skills.

Submission of applications

The online application process starts upon clicking "**CLICK TO APPLY**" next to a vacancy of your interest on the Open Positions page: <https://jobs.f4e.europa.eu/>

You must register your application online through the F4E E-recruitment tool by creating a valid F4E user account and submitting the documents mentioned below.

Please note that the online e-recruitment application tool is the only acceptable means of submitting/sending in job applications. You are responsible for keeping your e-mail addresses and personal details up to date in your profile in the F4E online application tool.

The mandatory fields in the profile marked with an asterisk should be duly filled in and you are requested to submit the following two documents:

- A detailed Europass Curriculum Vitae in **English** (can be obtained at the following address: <http://europass.cedefop.europa.eu/en/documents/curriculum-vitae>)
- A motivation letter of 2 pages maximum in English

Applications must be complete and validly submitted by the closing date for submission of applications
No later than 12/05/2023 at 18h00 noon Barcelona time – DEADLINE EXTENDED

In case you encounter technical problems when trying to submit your application via the e-Recruitment tool, please take a screenshot and send it to hr-selections@f4e.europa.eu. It is your responsibility to inform F4E about any technical problem immediately, within the deadline mentioned above.

Please, do not send any supporting documents (i.e.: copies of your ID-card, educational certificates, evidence of previous professional experience etc.) with your application at this stage if not specified in the Vacancy Notice.

Conditions of employment

Successful candidates will be placed on a Reserve List, and one of the candidates thereon may be offered this position.

For more information on the selection process of Temporary Agents and on the contractual and working conditions, please, refer to the “[Guide for applicants](#)” published on the F4E website along with this Vacancy Notice and the [Conditions of employment of Other Servants of the European Communities](#).

How is your data protected?

‘Fusion for Energy’ as the body responsible for organizing the selection process, will ensure that your personal data are processed as required by Regulation (EU) 2018/1725 of the European Parliament and of the Council of 23 October 2018 on the protection of natural persons with regard to the processing of personal data by the Union institutions, bodies, offices and agencies and on the free movement of such data, and repealing Regulation (EC) No 45/2001 and Decision No 1247/2002/EC Text with EEA relevance. This applies in particular to the confidentiality and security of such data. Personal data shall be processed solely for the purpose of the selection procedure.

You have the right to access and rectify your data. To update your CV and/or Motivation Letter and rectify any incorrect or inaccurate data, please login into your e-recruitment profile before the deadline for submission of the applications elapses. After the deadline for applications has elapsed, this right will be limited to the rectification of identification details and contact information only.

Vacancy noticed published on F4E website on 04/04/2023.

ⁱ Given the needs of the organisation, the candidate may be offered a position at any of the other F4E working places.

ii Prior to any appointment, the successful candidate will be asked to provide a certificate issued by the competent authority attesting the absence of any criminal record.

iii Before their appointment, the candidate shall be medically examined in line with requirement of Article 12(2) (d) of the Conditions of employment of other servants of the European Communities.

iv Only study titles that have been awarded by the Members of the Joint Undertaking or that are subject to the equivalence certificates issued by the authorities in the said Member States shall be taken into consideration.