



Technical Assistant

Fusion for Energy (F4E) is hiring a Technical Assistant, who will play a key role in supporting fusion, the power of the Sun, into a future sustainable energy source.

Reference	Grade	Location	Closing date
F4E/TA/AST3/2024/0279	Temporary Agent AST3	Cadarache, France ⁱ	23/01/2025 - 12:00 noon (CET)

Is this job for you?

Are you an experienced engineer in the field of Instrumentation, Control, Electrical, Electronics? Or do you have professional knowledge in Nuclear, Fusion, Industrial plants or Radio Frequency Systems? Are you an analytical, well organized and with strong interpersonal skills? If so, we have the perfect opportunity for you! Apply to become our new Technical Assistant within our Electrical Engineering Unit in the Fusion Technology and Development department.

Fusion for Energy (F4E) is managing Europe's contribution to ITER, the biggest fusion experiment, and is contributing to several other major projects in the same domain. The fusion landscape is changing fast and F4E as a key European player will enter in a new organisation in the coming months.

Why F4E?

Fusion for Energy (F4E) is the European Union's organisation for ITER and the Development of Fusion Energy. We are working with industry and laboratories to deliver cutting-edge components to the ITER international fusion energy project. In parallel, we are working on other major projects in the same domain, including the JT-60SA experiment with Japan, a new material testing facility (DONES), and, in the long-term, preparing for the next generation of fusion devices.

F4E is headquartered in Barcelona with offices in Cadarache (France) and Garching (Germany). To deliver the European contribution to ITER, face the fusion challenges, and manage more than 400 professionals, F4E is moving towards a more diverse, flexible, and result-oriented organisation. Its renewed vision is focussed on (1) successful delivery of projects, (2) developing fusion talent and knowledge base for the development of commercially viable fusion power plants in Europe and (3) paving the way for a transition from research to a competitive European industrial fusion sector.

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

The Fusion Technologies and Engineering Department (FUTED) contributes to F4E programmes by providing technical solutions, resources, services, expertise in domains of engineering and fusion technologies. It is responsible for developing and maintaining critical technical knowledge as well as developing and implementing engineering processes, guaranteeing the technical quality, coherency, consistency of the systems, acting as design authority and developing a fusion technologies development programme. The Department is composed of around 107 staff.

As a member of the Electrical Engineering - Instrumentation & Control (I&C) Unit, the successful candidate will report hierarchically to the Head of Unit belonging to s/he field of expertise. The successful candidate will provide support to the installation and commissioning activities primarily at Cadarache but also at other F4E or F4E supplier locations. The Technical Assistant will be responsible for:

- Supervising development of industrial process control and electrical systems following the applicable standards.
- Reviewing of functional requirements, Single Line Diagrams (SLD), Piping & Instrumentation Diagrams (P&ID) and Process Flow Diagrams (PFD).
- Verifying adequateness of designs.
- Reviewing the functional mapping and component choice against interfaces and environment.
- Checking the test and commissioning procedures.
- Supervising Instrumentation & Control (I&C) and Electrical Engineering (EE) installation activities at ITER.
- Monitoring execution of scheduled installation activities, as well as successful execution of verification activities.
- Inspecting the completeness and correctness of cabling and installations.
- Monitoring the application of Safety standards.
- Ensuring that all the required processes are performed and that the required documentation is properly organized.
- Providing Instrumentation & Control (I&C) or Electrical Engineering technical support to F4E Programmes and Projects.
- Contributing to preparation of call for tenders and helping the management of contracts of external suppliers.
- Supporting the management of call for tenders for operational contracts, including the preparation of Technical Specifications / Task Descriptions under the supervision of Project Engineer.
- Contributing to the follow up of work packages and/or contracts that implement those by supporting the tracking the progress of activities against the plan.

What can we offer you?

Life in Cadarache

Cadarache is the site of the largest technological research and development center for energy in Europe including CEA research activities and ITER. Located in the French region of Provence, Cadarache is about 40 km from Aix-en-Provence and 60 km from Marseille. The South of France is blessed with a very privileged living environment and a mild and sunny climate. Located between the Southern Alps and the Mediterranean, Cadarache offers every conceivable sporting, leisure and cultural opportunity. The area is served by the international Marseille - Provence Airport and the national high-speed train (Aix-en-Provence TGV).

Salary and benefits

As an indication, the basic monthly salary for grade AST3 (step 1) is currently € 4.613,00. 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 for registration, the candidate must have:

A level of post-secondary education attested by a diploma and, after having obtained the diploma, 3 years of relevant professional experience

OR

a level of secondary education attested by a diploma giving access to post-secondary education and, after having obtained the diploma, 6 years of relevant 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 cover:

- University degree in Electrical Engineering, Electronic Engineering, Industrial Engineering or equivalent with a strong focus to electronics.
- At least 3 years of professional experience with a relevant engineering role (Instrumentation, Control, Electrical, Electronics) in a project related to at least one of the following areas:
 - Nuclear / Fusion plants.
 - Industrial plants.
 - Plants involving megawatt AC-DC Power Supplies.
 - Radio Frequency Systems and related Power Supply.

B2. Advantageous Selection Criteria

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

- At least 3 years in Design or Commissioning experience in one of the following areas:
 - Nuclear / Fusion plants.
 - Industrial plants.
 - Plants involving megawatt AC-DC Power Supplies.
 - Radio Frequency Systems and related Power Supply.
- Demonstrated expertise in qualification activities:
 - EMC.
 - Electrical Safety.
- Proven experience in electrical and I&C installations.

B3. Competencies

The following competences will also be assessed:

- Excellent interpersonal skills and ability to work effectively with multi-cultural teams.
- Adaptability to work in a complex environment involving many stakeholders.
- Very good analytical and problem-solving capabilities.
- Strong organisational skills, ability to work under pressure and keep to tight deadlines.

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://fusionforenergy.europa.eu/vacancies/>

You must register your application online through the F4E E-recruitment platform by creating a valid F4E user account and submitting the documents mentioned below. Fusion for Energy (F4E) is currently working to further develop F4E's selection process. The application for this vacancy notice will serve as a pilot for the new recruitment platform which means that you – even if you have previously applied for an F4E vacancy – will be asked to register a new user account and complete information on the platform, in addition to submitting your CV and Motivation Letter. We appreciate any feedback you may have regarding your user experience: hr-selections@f4e.europa.eu

Please note that the online e-recruitment application platform 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 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 23/01/2025 at 12h00 noon Barcelona time.**

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 published on F4E website on 13/12/2024.

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.