



**FUSION
FOR
ENERGY**



VACANCY NOTICE

Mechanical Engineer

Fusion for Energy (F4E) is hiring a Mechanical Engineer 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/AD6/2023/0266	Temporary Agent AD6	Barcelona, Spain ⁱ	12/12/2023 - 12:00 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.

Experience in designing complex mechanical or electro-mechanical systems, structures or components, ability to convince with conviction and a high degree of ownership and accountability are key components of the ideal 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 Mechanical Engineer will work under the coordination of the System Design and Mechanical Engineering Group Leader. The Mechanical Engineer will be responsible for solving design problems, follow-up industrial contracts in F4E and provide expertise in the relevant field to ITER Programme and Projects. Located at F4E Barcelona premises, they will have an instrumental role in guiding or developing the design of ITER components.

The successful candidate will amongst other tasks:

- Supervise the progress of design work packages developed internally or through contracts;
- Carry out and coordinate the justification of the design of mechanical/electro-mechanical systems;
- Provide technical expertise, propose or implement solutions on mechanical design and fusion technologies, or on other technical areas in the projects of the assigned programme;
- Lead technical decisions or participate in technical discussions. Contribute to the resolution of technical problems;
- Assess, in coordination with experts from the Material & Manufacturing Technologies & Processes (MMT&P) group, the relevant manufacturing and testing technologies/processes;
- Supervise the work of external service providers and F4E experts' contracts;
- Participate to the definition of the procurement strategies for contracts;
- Collaborate in the preparation of the technical specifications for the procurement of systems on the respective area of knowledge and participate during negotiations when needed to optimize technical specifications;
- Collaborate in technical evaluations of tenders and participate in the negotiations with potential suppliers in view of concluding contracts to implement Design and/or manufacturing activities;
- Provide input for the development of budget, cost estimate and schedules in the respective area of responsibilities;
- Manage operationally contracts implementation liaising with F4E industrial partners, including the follow-up of the propagation and the verification of the requirements, review of contract deliverables, review and follow-up of technical risks and its mitigation actions and prepare/review of F4E/IO technical documents.

What can we offer you?

Salary and benefits

As an indication, the basic monthly salary, for grade AD6 (step 1) is currently € 6,169.72 EUR. 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.

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: Mechanical, Industrial, Material or an equivalent technical discipline;
- Professional experience of at least 5 years designing complex mechanical or electro-mechanical systems, structures or components;
- Professional experience of at least 3 years in the specification and operational management of Design and manufacturing Contracts for mechanical/electro-mechanical systems, including the follow-up propagation and verification of the requirements and production follow up.

B2. Advantageous Selection Criteria

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

- Experience of at least one year in design or manufacturing of nuclear components with focus on pressure equipment and knowledge of relevant fabrication codes and standards;
- Experience of at least one year relative to installation and maintenance of machines;
- Experience of at least one year in 3D modelling of parts, assemblies and FEM analysis;
- Experience of at least 2 years in fabrication technologies (welding, bending, machining, drilling, surface preparation, etc.);
- Experience of at least 2 years in manufacturing process set up and tools development (jigs for handling, moving, assembly, lifting, etc);
- Experience of at least 2 years in specifying and following product quality assurance.

The following competences will also be assessed:

- Good analytical capabilities;
- Assertive communication, ability to pass information with conviction;
- Good organisational skills;
- High degree of ownership/accountability;
- Ability to foster teamwork and collaboration.

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 12/12/2023 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 noticed published on F4E website on 09/11/2023.

ⁱ Given the needs of the organisation, the candidate may be offered a position at any of the other F4E working places. The other working location of the F4E suppliers could be Monfalcone, Italy.

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.