



VACANCY NOTICE

Product Engineer Specialized in Geometrical Product Specification and Metrology (Technical Assistant)

Fusion for Energy (F4E) is hiring a Product 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/AST3/2023/0264	Temporary Agent AST3	Barcelona, Spain ⁱ	31/08/2023 - 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.

The ability to transmit technical knowledge with clarity and precision, adaptability and strong experience in Geometric Dimensioning and tolerancing and Metrology 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 Metrology Technical Assistant will work under the coordination of the Metrology and Reverse Engineering Group Leader. With a strong experience in Geometric Dimensioning and tolerancing and Metrology, they will be mainly involved in the definition and review of geometrical and tolerancing product specifications, preparation and follow up of verification activities during manufacturing, preparation and implementation of processes (e.g. reverse engineering processes) for the managing of as-built data behind product life cycles.

The successful candidate will amongst other tasks:

- Support F4E Programme teams in the definition and the follow-up of the propagation and the verification of the geometrical requirements embedded in product specifications.
- Assist in the optimization of the geometrical specifications behind engineering designs with a view to minimize fabrication costs while satisfying performance requirements.
- Contribute to the development, analysis, qualification, execution of metrology verification activities for the assessment of geometrical product requirements.
- Carry out and/or supervise metrological surveys in the premises of F4E suppliers.
- Develop and implement Reverse Engineering processes aiming at collecting and managing geometrical as-built data during the product life cycle.
- Prepare Tenders and manage specific contracts under the metrology services framework contract.
- Cascade and implement F4E quality requirements for metrology (F4E and ITER metrology handbook) in the various F4E manufacturing contracts.
- Supervise the work of external resources and F4E experts in relation to areas of expertise.

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 AST 3 (step 1) is currently €4.259,65. 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 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 the following areas

- Proven experience of at least 3 years in the fields of Mechanical Engineering or Manufacturing design or quality control of mechanical structure.
- Proven experience of at least 1 year in activities related to preparation and/or revision and/or supply chain management of Geometrical Product Specifications (e.g. definition of tolerance requirements in drawings).
- Proven experience of at least 1 year in activities related to the verification of Geometrical Product Specifications.
- Proven experience of at least 1 year in activities related to the planning and/or organization and/or execution of metrology campaigns.
- Proven industrial experience of at least 1 year in the field of Large volume Metrology and Dimensional Control (from 1 to 30 m).

B2. Advantageous Selection Criteria

In addition to the above, the following criteria will be taken into account:

- Proven Working Experience of at least 1 year in the application of ISO Dimensional and Geometrical Product Specifications (GPS) and verification set of Standards (ISO/TC 213) with specific knowledge of Geometric Dimensioning and Tolerancing (GD&T) symbolic language (ISO 1101:2017 or ASME Y14.5-2018).
- Proven Working Experience of at least 1 year in the preparation and/or revision of 2D drawings and/or 3D models defining geometrical requirements embedded in geometrical product specifications.
- Valid Training Certification in Geometric Dimensioning and Tolerancing (GD&T) and/or Dimensional Metrology.
- Proven Working Experience in the usage of Spatial Analyzer metrology software.
- Proven Working Experience in the usage of Polyworks or GeoMagic metrology software.
- Proven Working Experience in Reverse Engineering activities aiming at reconstructing digital twin geometrical representation of measurement data (e.g. Reverse Engineered CAD).
- Proven experience in tolerances stack-up analysis.
- Basic Knowledge of Catia V5 or Solidworks Cad systems.

B3. Competencies

The following competences will be assessed:

- Good analytical capabilities.
- Ability to transmit technical knowledge with clarity and precision.
- Strong problem-solving skills to reach practical solutions in a consistent way.
- Ability to adapt to changing context.
- Strong communication 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 31/08/2023 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.

Please kindly note that at the request of another recruiting EU Agency or Joint Undertaking, and upon consent of the candidates, F4E may share the ensuing reserve list of candidates of a selection procedure with other EU Agencies or Joint Undertakings.

Vacancy published on F4E website on 14/07/2023.

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.