

## VACANCY NOTICE

<b>POSITION TITLE</b>	<b>MANUFACTURING AND TEST ENGINEER - DIAGNOSTICS</b>
<b>SELECTION REFERENCE</b>	<b>F4E/TA/AD6/2014/0183</b>
<b>GRADE</b>	<b>TEMPORARY AGENT – AD6</b>
<b>LOCATION</b>	<b>BARCELONA, SPAIN</b>
<b>RESERVE LIST – MAXIMUM NUMBER</b>	<b>5</b>
<b>VALIDITY OF THE RESERVE LIST</b>	<b>31/12/2014</b>
<b>CLOSING DATE FOR APPLICATIONS</b>	<b>29/04/2014 AT 12.00 NOON, BARCELONA GMT+1</b>

### 1. RESPONSIBILITIES

As a member of the ITER Department, the Manufacturing Engineer for Diagnostics will report directly to the Diagnostics Project Manager. The successful candidate will, among other tasks:

- Prepare detailed technical specifications and associated quality management documents for a call for tenders for a framework contract to support production of manufacturing specifications for diagnostic components and (in the longer term) for manufacture of the diagnostic mounting and support structures for the ITER ports;
- Support the production of detailed technical specifications and associated quality management documents for call for tenders for manufacturing of very diverse diagnostics prototypes, during the R&D and preliminary design;
- Contribute to all phases of the Call for Tenders process through to placement of associated contracts, including technical evaluation of tender responses and contract negotiations;
- Prepare and launch task orders under the manufacturing specifications framework contract, jointly with the technical project officers of the systems concerned, and follow-up the task orders to ensure quality, cost and schedule are maintained;
- Follow-up the manufacturing contracts including oversight of hardware procurement, assembly, installation and factory acceptance testing, monitoring of progress, management of deviations and non-conformities, proposals for remedial action and attendance of tests;
- Monitor the manufacture of a port plug test facility (PPTF) through to delivery from ITER International Organisation (IO) to F4E;
- In due course, oversee installation and commissioning of the PPTF at the Diagnostic port plug assembly site, liaising with the PPTF suppliers (Russian Federation Domestic Agency), IO and the port plug assembly team as necessary;
- Manage operation of the port plug test facility, and associated test equipment specific to individual diagnostic systems, in support of environmental and functional testing of diagnostics port plugs during, as appropriate, and after assembly;

**THE EUROPEAN JOINT UNDERTAKING FOR ITER AND THE DEVELOPMENT OF FUSION ENERGY**

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<http://fusionforenergy.europa.eu>

- Contribute to other Diagnostic Project Team activities in his/her areas of technical expertise;
- Provide support for the preparation of the F4E annual work-programme, in regards of his/her responsibilities, and to its implementation;
- Prepare and provide the required inputs for preparation of the F4E project schedules and its regular maintenance and updating in cooperation with the Planning and Scheduling Group;
- Contribute to the provision of cost estimates in regards of his/her responsibilities.

## **2. GENERAL CONDITIONS**

### **A. ELIGIBILITY CRITERIA**

A1. In order to be eligible the candidate must:

- Be a citizen of one of the Member States of the European Union or of a Third state fully associated with the Euratom fusion programme (Switzerland).
- Enjoy his/her full rights as a citizen.<sup>1</sup>
- Have fulfilled the obligations imposed on them by the laws of their home country concerning military service.
- Meet the character requirements for the duties involved.
- Be physically fit to perform their duties<sup>2</sup>.

A2. On the closing date for registration the candidate must possess:

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

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.

A3. The candidate must possess a thorough knowledge of one of the official languages of the European Union and a satisfactory knowledge of another language of the European Union to the extent necessary for the performance of his/her duties<sup>3</sup>.

### **B. QUALIFICATIONS AND EXPERIENCE REQUIRED**

#### **B1 Essential Selection Criteria**

- University degree in engineering or physics, or equivalent;
- At least 3 years of proven professional experience in a design and/or engineering function in at least two of the following technical areas:
  - Fabrication and testing of water-cooled components;
  - Ferrous and non-ferrous metallurgy, manufacturing, forming and joining techniques (especially welding and brazing processes);

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<sup>1</sup> 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.

<sup>2</sup> Before his/her 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.

<sup>3</sup> In addition, staff members are required to have a working knowledge of a third EU language, as described in the applicable Staff Regulations and Implementing Rules in order to be considered for their first promotion.

- Manufacture of components for high-vacuum environments;
- Metrology and non-destructive testing of manufactured parts;
- Functional and/or environmental testing of complex mechanical, optical or microwave systems;
- Production and/or review of drawings and manufacturing specifications
- At least 1 year of proven professional experience of each of the following:
  - Working within both formal project management and quality assurance frameworks;
  - Preparation of and/or evaluation of and/or response to Calls for Tenders;
  - Follow-up and/or execution of manufacturing contracts, including monitoring of schedule, quality control procedures and final acceptance tests
- Ability to integrate into an international and multicultural environment;
- Strong business writing and reporting skills.
- Good command of both written and spoken English, the working language of the ITER Project.

## B2 Advantageous Selection Criteria

- Experience applying formal codes and standards to engineering projects, especially RCC-MR
- Familiarity with computerised engineering analysis tools (e.g. for structural, thermo-mechanical and thermo-hydraulic analysis);
- Familiarity with Computer Aided Design, preferably CATIA;
- Knowledge of scientific and engineering aspects of the ITER project and of related activities;
- Experience in the design, analysis and integration of systems and components for large scientific projects;
- Working experience in a European or international setting.

## 3. CONDITIONS OF EMPLOYMENT

A contract offer will be made as a member of temporary staff, pursuant to Article 2(a) of the Conditions of Employment of other servants of the European Communities.

The successful candidate will be recruited in the grade AD6 on a contract with an initial duration of five years, with possibility of renewal. The probationary period is 6 months.

For more information on the selection process of Temporary Agents and on the contractual and working conditions, please, refer to:

- **Guide for Applicants:**  
<http://fusionforenergy.europa.eu/careers/Documents/Annex%20to%20the%20VN.pdf>
- **Conditions of employment of Other Servants of the European Communities:**  
<http://eur-lex.europa.eu/LexUriServ/site/en/consleg/1962/R/01962R0031-20060701-en.pdf>

The salaries of temporary agents are subject to a community tax deducted at source. They are exempt from national tax. The European institutions have their own social security and pension scheme. **As an indication, the basic monthly salary, before any deductions or allowances, for grade AD6 (step 1) is currently 4.921,28 €.**

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.

By way of an example and only as an indication, please see below the example of the monthly salary for a couple with 2 children including expatriation allowance (16%), dependent child (2 children under 6 years) allowance for 2 children:

**AD6 step 1:**

**6.057,73€ net salary (including allowances, after taxes and pension contribution).**

**In addition, F4E offers social benefits with regards to schooling and a health insurance scheme.**

Under certain circumstances, in particular where the jobholder is obliged to change his/her place of residence in order to take up employment, 'Fusion for Energy' may also reimburse various expenses incurred on recruitment, notably removal expenses.

The place of employment is **Barcelona, Spain**.

Given the needs of the organisation, the candidate may be offered an employment at any of the other F4E working places: Garching (Germany) or Cadarache (France).

#### **4. 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:

<http://fusionforenergy.europa.eu/careers/vacancies/Default.aspx>

Applicants must register their applications 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 sending in job applications.** Applicants are responsible for keeping their e-mail addresses and personal details up to date in their profile in F4E online application tool.

The mandatory fields in the profile marked with an asterisk should be duly filled in and the candidates are requested to submit the following 2 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 29/04/2014 at 12h00 noon, Barcelona GMT+1.**

**In case you encounter technical problems when trying to submit your application via the e-Recruitment tool, please make a screenshot and send it to: [hr-selections@f4e.europa.eu](mailto:hr-selections@f4e.europa.eu)**

**It is the responsibility of the applicant to inform 'Fusion for Energy' about any technical problem without delay 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.**