VACANCY NOTICE

POSITION TITLE	**SENIOR TECHNICAL OFFICER IN-VESSEL OR DIAGNOSTICS PROJECT TEAMS (F/M)**
SELECTION REFERENCE	**F4E/TA/AD9/2015/0194**
GRADE	**TEMPORARY AGENT – AD9**
LOCATION	**BARCELONA, SPAIN**
VALIDITY OF THE RESERVE LIST	**31/12/2016**
CLOSING DATE FOR APPLICATIONS	**31/08/2015 AT 12.00 NOON, BARCELONA GMT+1**

Fusion for Energy seeks to establish a reserve list for the profile of Senior Technical Officer for In-Vessel or for Diagnostics Project team.

Suitable candidates placed on the reserve list may be recruited upon decision of the Appointing Authority. Candidates should note that inclusion on the reserve list does not guarantee recruitment.

This reserve list may be used for recruiting candidates on other similar positions carrying the same profile as the one described in this notice.

The validity of the reserve list could be extended if the Appointing Authority so decides.

1. RESPONSIBILITIES

1.1 For the In-Vessel project team

As a member of the In-Vessel Project Team within the ITER Department of 'Fusion for Energy', the senior engineer for In-Vessel components will be responsible for the definition, follow-up and coordination of design, Research & Development (R&D) and procurement activities for the European contribution to the procurement of the blanket first wall system for ITER. The blanket first wall is a key system of the ITER Tokamak, comprising precision-machined, water-cooled metallic structures deploying state-of-the-art manufacturing and bonding technologies.

The successful candidate will, among other tasks:

- Act as formal Coordinator (COO) of a small blanket group for all design and manufacturing activities for the procurement of blanket first wall panels for ITER;
- Support the In-Vessel Project Team manager for the definition and implementation of the blanket first wall procurement strategy, the preparation of the project plan, work programme and monthly monitoring reporting;
- Act as the F4E representative in the ITER Blanket Integrated Product Team to ensure a successful implementation of the blanket first wall Procurement Arrangement and to maintain an effective collaboration between the ITER International Organisation and F4E;

- Prepare, review and when applicable approve call for tender documentation to ensure it incorporates all necessary technical and contractual information to maximise the quality and minimise the price of tenders;
- Participate in the evaluation committees for all major calls for tenders and in negotiations with industry, as appropriate, prior to contract award;
- Define and coordinate design and R&D activities to be carried out in support, when needed, of the European contribution to the procurement of blanket first wall components;
- Supervise the progress of the contracts for the blanket first wall system by tracking the activities against the plan, provide regular and accurate reports, analyse and evaluate the results.

1.2 For the Diagnostics project team

As a member of the Diagnostics Project Team within the ITER Department of 'Fusion for Energy', the senior engineer for Diagnostics will be responsible for providing the overall coordination of manufacturing contracts associated with the European contribution to the Diagnostics for the ITER project. The Diagnostics systems on ITER provide essential information for controlling the plasma, understanding the underlying physics and protecting the machine against damage. They comprise many state-of-the-art devices for measuring neutrons, gamma rays, microwaves, magnetic fields, infrared and visible light, pressure and more.

The successful candidate will, among other tasks:

- Act as formal Coordinator (COO) for all manufacturing contracts for components for delivery to the ITER project;
- Review and ultimately approve call for tenders documentation to ensure it incorporates all necessary technical information to maximise the quality and minimise the price of tenders;
- Develop and maintain a comprehensive understanding of industrial competencies, especially in Europe, relevant to the various and very diverse diagnostic component and sub-assembly technologies;
- Participate in the conduct of market surveys, information days and direct contacts with industry organised by the market intelligence (MI) group and the technical project officers (TPOs) for the various diagnostics systems
- Recommend and organize, with MI and the TPOs, additional contacts with industry as necessary to ensure best possible response to calls for tenders;
- Jointly with the TPOs, develop and define manufacturing strategies and associated schedules, guided by formal risk analyses and optimised to industrial competencies and standards;
- Manage the preparation and implementation of procedures, and provide expert advice for specific contracts, to ensure that technical specifications in calls for tenders comprehensively address all necessary issues to ensure manufacture, assembly, inspection and test according to the ITER project requirements.
- Participate in the evaluation committees for all major calls for tenders and in negotiations with industry, as appropriate and necessary, prior to contract award;
- Play a leading role, possibly as Chair, of manufacturing readiness reviews with suppliers and ITER International Organisation Central Team (IO-CT) prior to start of manufacture;
- Work with suppliers and the TPOs to identify and implement cost-effective solutions to deviations from planned schedule during manufacture;
- Report on progress with manufacturing contracts to the Diagnostics Project Manager.

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.[1]
- 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[2].

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

At least a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is four years or more and, after having obtained the university degree, at least 12 years of proven professional experience;

OR

At least a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is three years and, after having obtained the university degree, at least 13 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 good command of English to the extent necessary to perform his/her duties and a thorough knowledge of another official language of the European Union[3].

B. QUALIFICATIONS AND EXPERIENCE REQUIRED

B1 Essential Selection Criteria

- University degree in nuclear, material or mechanical engineering or equivalent;
- At least 10 years of proven industrial experience in either
    - the management of the execution (e.g. as a supplier) and/or
    - the implementation and follow-up (e.g. as a customer)

      of contracts related to the manufacture and acceptance testing of complex, high technology components;
- Proven professional experience of quality assurance and project management;

[1] 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.
[2] 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.
[3]Promotion/reclassification is subject to working knowledge of a third EU language

- Good organisational skills and ability to work under pressure;
- Ability to integrate into an international and multicultural environment;

B2 Advantageous Selection Criteria

- Experience with on-site inspections and/or quality control inspectors management for the manufacture of complex components;
- Experience in preparing tender responses (e.g. as a supplier) and/or preparing technical specifications for calls for tender and evaluating tender responses (e.g. as a costumer) for activities related to manufacture and acceptance testing of complex, high technology components;
- Experience in team management for the procurement of complex components;
- Experience in design and fabrication codes and standards;
- Experience in working in nuclear environment;
- Experience related to manufacture, assembly and acceptance testing of components using one or more of the following technologies
    - technically complex, static or dynamic mechanical systems (i.e. involving multiple interfaces and/or in challenging environments);
    - microwave systems (e.g. involving several of: detectors, transmission lines, antennas, low and high power sources, mixers etc.);
    - optical systems (e.g. involving several of: photo-detectors, visible and IR cameras, mirrors, lenses, filters, lasers, spectrometers etc.);
    - mechatronic systems;
- Proven professional experience related to manufacture and/or assembly of complex components or sub-assemblies for use in one or more of the following environments
    - High and ultra-high vacuum;
    - High magnetic fields (e.g. 0.5 – 5 Tesla);
    - Neutron and gamma irradiation;
    - Requiring pressurised heating and/or cooling circuits;
- Knowledge of fusion relevant technologies;
- Good analytical capabilities;
- Strong communication skills;
- Willingness to travel and work away from the office;

3. CONDITIONS OF EMPLOYMENT

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

The successful candidate will be recruited in the grade AD9 on a contract with an initial duration of five years, with possibility of renewal. The established reserve list may be used to fill similar positions at the same grade but for 3 year non-renewable temporary agent 2(f) contracts. The probationary period is 9 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 AD9 (step 1) is currently 7.185,01 €.**

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 salary is subject to a reasonable Community tax deducted at source and staff members are exempt of national taxation.

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 (under 6 years) allowance for 2 children.

AD9 step 1:

7.622,27 € 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).

For reasons related to the 'Fusion for Energy' operational requirements, the candidate will be required to be available at short notice.

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 31/8/2015 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

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.**