

VACANCY NOTICE

POSITION TITLE	ELECTRO-MECHANICAL/ ELECTRICAL ENGINEER (F/M)
SELECTION REFERENCE	F4E/TA/AD6/2018/0229
GRADE	TEMPORARY AGENT – AD6
LOCATION	NAKA OR ROKKASHO , JAPAN ¹
NUMBER OF SUCCESSFUL CANDIDATES SOUGHT FOR THE RESERVE LIST²	10
VALIDITY OF THE RESERVE LIST	31/12/2019
CLOSING DATE FOR APPLICATIONS	26/11/2018 AT 12.00 NOON, BARCELONA TIME

1. ORGANISATION SETTING

Fusion for Energy, or F4E, a European Union Joint Undertaking, headquartered in Barcelona, specifies and manages the production of the European contribution (45%) to ITER. This research fusion reactor in Cadarache, France, will progress fusion by a major leap towards clean and sustainable generation of abundant base load energy, complementing renewables.

ITER is one of the largest construction projects in Europe and the world's largest scientific partnership. ITER brings together seven parties that represent half of the world's population – the EU, Russia, Japan, China, India, South Korea and the United States.

In its role as the Implementing Agency for the **Broader Approach (BA)** Agreement with Japan, F4E provides components, equipment and other resources for the three Projects of the Broader Approach: IFMIF/EVEDA, IFERC and JT-60SA.

The IFMIF/EVEDA Project covers engineering design and validation activities for the International Fusion Materials Irradiation Facility, which is an accelerator driven fusion neutron source. The activities are shared between the Japanese Home Team in Rokkasho and the European Home team, composed of the IFMIF Unit at F4E and the National Laboratories of the Voluntary Contributors. Having achieved the completion of the Engineering Design and of the Validation of the Target Facility

¹ Given the needs of the organisation, the candidate may be offered a position at any of the other F4E working places.

² The Selection Board will draw up the reserve list. Subject to availability of sufficiently good candidates, the list will be populated up to the number of successful candidates sought and stipulated in the vacancy notice. Eligible candidates who have been shortlisted for further testing and have obtained the highest overall marks following the assessment will be listed alphabetically. Where candidates tie for the last available place on the reserve list, they will all be included on the reserve list. Any readmitted candidates following a successful appeal at this stage of the procedure will also be added to the reserve list.

and Test Facility design, all current activities are focussed to the Validation of the Accelerator design which is executed at the Linear IFMIF Prototype Accelerator (LIPAc) at Rokkasho (Japan).

JT-60SA is a fusion experiment designed to support the operation of ITER and to investigate how best to optimise the operation of fusion power plants that are built after ITER. The suffix 'SA' stands for "super, advanced", since the experiment features superconducting magnetic coils and aims to study advanced modes of plasma operation.

JT-60SA is a joint international research and development project involving Japan and Europe. Activities are shared between the Japanese Home Team in Quantum Science & Technologies (QST) Institute of Naka (Ibaraki prefecture, Japan) and the European Home team, composed of the JT-60SA Unit at F4E, and a number of EU research laboratories.

The JT-60SA experimental reactor is in advanced stage of construction and assembly at Naka Site and its first operation is foreseen in the 3rd quarter 2020.

2. RESPONSIBILITIES

Within the Broader Approach Programme and Delivery (BA) Department of 'Fusion for Energy', as a member either of the JT-60SA or of the IFMIF Unit, the Electro-Mechanical /Electrical Engineer will support all the relevant BA activities. These activities include, as examples among others, the procurement, installation, commissioning, integration, and testing of the JT-60SA Power Supply and EU-supplied JT-60SA diagnostics at JT-60SA site of Naka (Japan) or the LIPAc (Linear IFMIF Prototype Accelerator) components at IFMIF Site of Rokkasho (Japan).

The successful candidate will, among other tasks:

- Perform technical supervision of procurement arrangements;
- Organize and supervise the deliveries of high technology electrical equipment;
- Follow-up of on-site manufacturing, installation, integration, commissioning, testing or enhancement activities in close co-ordination with the relevant Project Team, QST (managing the sites of Rokkasho and Naka) and a number of EU laboratories and research institutions contributing to the Broader Approach Projects;
- Work with the relevant EU Institutes and / or Japanese counterparts to find technical solutions to solve interface issues as they arise;
- Support the definition of the relevant safety plans and monitor their implementation.

3. 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.³
- 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 duties⁴.

³ 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.

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 produce evidence of a thorough knowledge of one of the languages of the Union and of a satisfactory knowledge of another language of the Union to the extent necessary for the performance of his duties⁵. One of the two languages must be English.

B. QUALIFICATIONS AND EXPERIENCE REQUIRED

B1 Essential Selection Criteria

- University degree in Electro-Mechanical or Electrical Engineering or equivalent;
 - Experience of at least 2 years in management of electrical interfaces and on installation/operation of advanced and complex electrical components and equipment;
 - Experience in the installation/operation of high power electrical equipment or accelerators;
- Or alternatively proven working experience of at least 2 years on installation and commissioning of high power radiofrequency systems;
- Strong communication skills;
 - Good organisational skills and ability to work under pressure;
 - Ability to integrate into an international and multicultural environment.

B2 Advantageous Selection Criteria

- Working experience in an international scientific project;
- Experience in follow-up of industrial fabrication and implementation/audit of quality and safety plans;
- Experience in integration issues of High Energies Physics equipment, Tokamaks or similar ;
 - Experience in industrial codes and standards for electrical components (e.g. IEC);
- Experience in preparation of technical specifications;
- Working knowledge of Japanese language;
- Working experience in a European or international setting.

4. CONDITIONS OF EMPLOYMENT

Commitment to promote equal opportunities

‘Fusion for Energy’ is an equal opportunities employer and strongly encourages applications from all candidates who fulfil the eligibility and selection criteria without any distinction whatsoever on

⁴ 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.

⁵ Promotion/reclassification is subject to working knowledge of a third EU language.

grounds of nationality, age, race, political, philosophical or religious conviction, gender or sexual orientation and regardless of disabilities, marital status or other family situation.

Depending on business needs and budgetary availability, the candidate(s) placed on the reserve list may be recruited as temporary agents under Article 2(f) of the CEOS in grade AD6 with either a contract of an initial duration of five years, with possibility of renewal; or with a non-renewable contract of a shorter duration.

In both those cases, 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/LexUriServ.do?uri=CONSLEG:1962R0031:20140101: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 5326,04€.**

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.

For further information on remuneration for temporary agents, visit:

http://www.fusionforenergy.europa.eu/downloads/careers/Remuneration_TA.pdf

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 **Naka or Rokkasho, Japan.**

Given the needs of the organisation, the candidate may be offered a position at any of the other F4E working places.

For reasons related to the 'Fusion for Energy' operational requirements, once the candidate receives the job offer, he/she may be required to be available at short notice (2 to 3 months).

5. 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 26/11/2018 at 12h00 noon, Barcelona time.

Reimbursement of travel expenses

Travel expenses incurred for tests will be reimbursed by 'Fusion for Energy' according to its rules for the reimbursement of travel expenses sent along with the letter inviting to an interview. After the submission of the required documents, the reimbursement of the travel expenses will occur in the 3 following months.

Protection of personal data - Privacy notice

'Fusion for Energy' as the body responsible for organizing the selection process, will ensure that applicants' personal data are processed as required by Regulation (EC) No 45/2001 of the European Parliament and of the Council of 18 December 2000 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data. 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.

Applicants have the right to access and rectify their 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.

Should the applicant have any query concerning the processing of his/her personal data, he/she shall address them to the following address: Resources-Controller@f4e.europa.eu

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.**

Appeal and Complaint procedures

Applicants that consider that he/she has been unfairly affected by a particular decision regarding this selection can lodge a complaint. For further details on how to proceed, please consult the appropriate document published on our [website](#).

6. RESERVE LIST

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.

All the detailed information concerning the selection process may be found in the “Guide for applicants” published on the F4E website along with this Vacancy Notice.