



VACANCY NOTICE

SENIOR ELECTROMECHANICAL & HVAC ENGINEER – ITER SITE BUILDING AND POWER SUPPLIES

Closing date for applications: ~~11/09/2020~~ Extended until 09/10/2020 - 12:00 noon (Barcelona time)

Reference	Grade	Location
F4E/TA/AD8/2020/0240	Temporary Agent, AD8	Cadarache, France ⁱ

Fusion for Energy (or F4E) is looking for a highly motivated and experienced HVAC Engineer to work in the ITER Site, Buildings and Power Supplies Unit.

IS THIS JOB FOR YOU?

Are you a passionate of building services construction projects in the fields of Heating Ventilation Air-Conditioning and Electro-Mechanical? Would you be excited to work on a multi-billion euro development project? Do you want a challenge?

The Site, Buildings and Power Supplies Unit (SBPS) unit will play a key role in the sourcing of F4E's contribution to the largest nuclear fusion reactor in the world.

Analytical, Communicative, organised and resourcefulness are key traits of the successful candidate.

Several hundred suppliers are currently under contract, designing and manufacturing complex first-of-a-kind components, with an annual expenditure of the order of €7-800M per year. E.g. The maintenance of a consistently high quality standard throughout the supply chain is of the greatest importance to F4E both from a nuclear safety regulatory perspective and more generally, to ensure that there is a high confidence that the delivered systems will perform as required.

WHY F4E?

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 being built in Cadarache, France, will be 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.

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

Josep Pla nº 2 · Torres Diagonal Litoral · Building B3· 08019 Barcelona · Tel. +34 93 320 18 00 · Fax +34 93 320 18 51

<http://fusionforenergy.europa.eu>

To find out more about F4E, visit us at <https://f4e.europa.eu/>

THE JOB

As a member of the SBPS Unit in the ITER Programme Department, the Senior Electromechanical & HVAC Engineer will report to the Programme Manager of the SBPS Unit and/or his Deputy.

He/she will be responsible for the implementation, follow-up, and supervision of Design and/or Construction of the ITER buildings, in his scope of responsibility, in accordance with the applicable requirements set-up by the ITER Organization and the construction and coordination rules implemented by Fusion for Energy jointly with its Architect Engineer and Health and Safety Protection Coordinator

YOUR KEY RESPONSIBILITIES

The successful candidate will, among other tasks:

- Manage the activities related to design and construction of nuclear HVAC, piping and electro-mechanical equipment for the project, across all procurement packages;
- Manage design, nuclear qualification and construction coordination. Control issues proactively, in particular by making the daily liaison between the design and the construction teams, in order to ensure swift implementation of the construction changes without impacting schedule;
- Provide his/her expertise on the progress of works by tracking activities against the plan, providing regular and accurate reports on quality and potential improvements;
- Manage the preparation of the technical specifications for the procurement of components for the ITER project in the area of his/her responsibility and conduct negotiations with the ITER organization when needed to optimize technical specifications;
- Manage technical evaluations of tenders and lead negotiations with potential suppliers in view of concluding contracts to implement Design and/or Construction activities;
- Work with the commercial management officers / the commercial manager and the legal officers, for anticipating, preparing and gathering data in order to draft technical elements to manage contractor's claims cost assessments in the best interest of F4E;
- Provide input for the development of budget, cost estimate and schedules in his area of responsibilities;
- Define the quality assurance and control requirements for design, nuclear qualification and construction that have to be met in accordance with the arrangements established with the ITER Organization, and in line with the requirements (INB order) from the French Nuclear Safety Authority;
- Summarize complex technical topics for reporting purpose and propose and/or implement solutions for technical problems;
- Ensure proper implementation, in close relation with the ITER Organization, the F4E Architect Engineer, and the Health and Safety Protection Coordinator, of the works supervision rules, ensuring the definition of the appropriate level of control depending on the nuclear and quality class of the works;
- Manage external resources from the F4E Support Contracts (Architect Engineer, Support to the Owner) in order to achieve the objectives described above.

WHAT CAN WE OFFER YOU?

Life in Cadarache

Cadarache is the site of the largest technological research and development center for energy in Europe including CEA research activities and ITER. Located in the French region of Provence, Cadarache is about 40 km from Aix-en-Provence and 60 km from Marseille.

The South of France is blessed with a very privileged living environment and a mild and sunny climate. Cadarache is located between the Southern Alps and the Mediterranean and offers every conceivable sporting, leisure and cultural opportunity.

Salary and benefits

As an indication, the basic monthly salary, for grade AD8 (step 1) is currently €7,072.70. 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 the successful candidate needs to relocate, F4E would normally reimburse removal expenses.

F4E has agreements with local international schools to support access to schooling for the children of F4E staff.

For further information on remuneration, please visit the dedicated page on [F4E's website](#).

F4E makes every effort to develop the competences of its staff in order to actively and significantly contribute to the achievement of its goals as well as to enhance their career prospects.

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 +/- 19 statutory public holidays per annum. Additional leave days may be granted for age and distance from the place of origin. Special leave is granted for certain circumstances such as marriage, birth or adoption of a child, death of a close relative etc.

WHAT ARE THE SELECTION REQUIREMENTS?

A. ELIGIBILITY CRITERIA

A1. General requirements

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 citizenⁱⁱ.
- Have fulfilled the obligations imposed on him/her by the laws of their home country concerning military service.
- Produces the appropriate character references as to his/her suitability for the performance of his/her duties.
- Be physically fit to perform their dutiesⁱⁱⁱ.

A2. Education / Experience^{iv}

On the closing date for registration, the candidate must have:

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 9 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 10 years of proven professional experience;

A3. Language Skills^v

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

B. QUALIFICATIONS AND EXPERIENCE REQUIRED

B1 Essential Selection Criteria

- University degree in Mechanical, Electro-Mechanical Engineering or equivalent, covering the following fields: HVAC, Piping and Electro Mechanical;
- At least 5 years of professional experience in the implementation of large contracts (> 10 M€) related to design and construction of building services projects in the fields of HVAC, piping, or electro mechanical;
- At least 5 years of professional experience relative to design and/or construction in a Nuclear Safety environment;

- At least 10 years of proven experience as responsible Engineer in large complex engineering and / or construction projects;
- At least 10 years of proven experience as responsible Engineer in design of construction projects;
- Experience in procurement (technical specifications preparation, and supplier offer evaluation) of construction projects;
- Experience in a Quality Assurance environment and Quality assurance requirements.

B2 Advantageous Selection Criteria

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

- Experience in the preparation, supervision and implementation of large construction contracts in the field of nuclear construction;
- Experience in participating to Alliance contract set-up;
- Experience in a Quality Assurance environment and Quality assurance requirements for the nuclear industry;
- Experience in applying formal codes and standards to engineering projects;
- Knowledge of the French rules regarding nuclear and quality matters (7 February 2012 decree, ICPE Rules, INB Rules);
- Knowledge of construction law, arbitration, dispute settlement and negotiation;
- Working experience in European or international environment.

B3 Competencies

The following competencies will also be assessed:

- Good analytical capabilities,
- strong communication skills,
- good organisational skills,
- Ability to work under pressure.

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/>

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 ~~11/09/2020~~ Extended until 09/10/2020 at 12h00 noon Barcelona time.

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.

'Fusion for Energy' as the body responsible for organizing the selection process, will ensure that applicants' 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.

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.

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 F4E 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.

CONDITIONS OF EMPLOYMENT

Successful candidates will be placed on a Reserve List, and one of the candidates thereon may be offered this position. The candidate(s) placed on the reserve list may be recruited in the grade AD8 on a contract with an initial duration of five years, with possibility of renewal. The established reserve list may be used to fill other similar positions at the same grade for the same or different durations, depending on business needs and budgetary availability, and at any of the F4E working locations.

The number of successful candidates sought for this reserve list is **three**^{vi}.

Candidates should note that inclusion on the reserve list does not guarantee recruitment.

The validity of the reserve list is **31/12/2021** but this can be extended.

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 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](#).

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 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.

^{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.

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

^{vi} 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.