

Building design and site layout officer in the DEMO Central Team

Background

In the framework of the missions of Demo Central Team, the design of the buildings (nuclear and non-nuclear) is on the critical path of the DEMO project development.

The global layout of the buildings on the site drives many design options for the DEMO project (i.e., DEMO phase1 and DEMO phase2).

Main duties and responsibilities

- Prepare the functional, technical and safety requirements related to the building,
- Establish design and construction code for building applicable to DEMO machines and infrastructures and propose the normal and accidental loads to consider into the design and construction of the DEMO buildings;
- Manage the design activities related to the plant breakdown system “building” including structural and safety analysis,
- Define the interfaces with the systems (embedded plates, penetrations, bridges, connection to the utilities),
- Prepare the safety cases for internal and external events and propose adequate safety provisions;
- Prepare the compliance matrix requirements/loads for the foreseen loading conditions
- Support the system design leads to enable a proper for physical integration; Contributes to Work Package Safety, Assessment and Environment in managing safety tasks and supporting the fusion European laboratories in performing the safety activities;
- Ensure that the necessary design provisions to enable licencing and nuclear commissioning are incorporated early in the design phase.
- Contribute to establish a nuclear design and safety culture in the DCT.

Required / desired qualifications and competencies

- University degree in the relevant Engineering / technical field.
- Minimum 10 years' experience in nuclear design and safety.
- Broad understanding of nuclear facility design, qualification, manufacturing, testing and inspection processes and related codes and standards and industry best practice.
- Ability to work effectively both independently and as part of a team.
- Good interpersonal skills and excellent written and verbal communication skills in English

The post holder must liaise and report to the two heads of departments ITD and IDD.

Date of Job Vacancy: November 7th, 2024

Application Deadline: November 30th, 2024

The applicant will ideally already have a work contract with a EUROfusion Beneficiary and will be seconded to the EUROfusion Programme Management Unit (PMU) in Garching. Otherwise, she/he will have to secure a work contract with one of the Beneficiaries, to be seconded to the PMU in Garching.

The EUROfusion secondment will be until 31st December 2025 and can be extended until 31st December 2027, subject to the extension of the EUROfusion Grant Agreement. However, the actual labour contract might be subject to the rules, regulations and conditions of the Beneficiary that employs the applicant.

EUROfusion strives for diversity and inclusion, and explicitly encourages members of minority groups, and females, to apply for this position.

Please send your completed application including CV, cover letter and examples of your past-related work experience to: joelle.elbez-uzan@euro-fusion.org

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