

DEMO System Engineering and Project Office Manager

Job Description

The System Engineering and Project Office (SPO) is responsible for the implementation of Project Management (PM) and System Engineering (SE) functions within the Fusion Technology Department (FTD) and across all contributing Work Packages (WPs) within the DEMO project. The SPO supports the FTD Head (in his role as DEMO Project Head) to establish a proper Project Management (PM) and System Engineering (SE) culture, including the setup of PM and SE processes, methods, tools and templates. It also includes daily support of the DEMO Central Team (DCT)¹ to implement and enforce these methods and processes: specify tools and follow-up their implementation, follow-up correct implementation of the processes, review PM and SE related deliverables, etc. The SPO supports the DEMO Head to control the evolutions of the baseline, in particular to manage the development and iteration of requirements, concepts, project plans, risks and schedule, and associated items, to ensure consistency and coherence in the activities undertaken in the WPs. The SPO works in close collaboration with the EUROfusion Project Management Office to ensure the implementation of coherent PM principles and procedures albeit taking into account specific context of the DEMO project, in particular the higher need of inter-WP collaboration.

The holder of this post will be responsible for the aforementioned missions, manage other members in this office and, in the initial phase, will act as SE Lead.

Main Responsibilities

Accountable for the Project Management and Systems Engineering function within FTD for the DEMO Project. This includes:

- Lead the definition, development and management of project management and technical management process, methods and tools
- Support DCT and DEMO WPs to implement these processes
- Control and review the proper implementation of the processes and establish progress reports
- Support the DEMO Project Head to ensure formal reporting arrangements on project progress are in place and the collation of high-quality project documentation in agreement with EUROfusion Project Management Office's objectives
- Liaise with the EUROfusion Project Management Office to ensure effective monitoring and review the tasks executed by WPs
- Manage and control of various "registers" and databases: Technical Issues, Risks, Baseline Documents, Requirements, Interface, Technological Readiness, etc.
- Ensure Configuration Management is executed to an agreed plan and technical baselines produced

Required / desired qualifications and competencies

- University Master degree in Engineering or equivalent discipline
- Minimum 10 years of experience in managing the delivery of complex projects in a technical field
- Experience of developing and implementing project management and technical management processes
- Background in nuclear and/or fusion project implementation is highly desirable
- Expertise (with practical experience) in systems engineering processes is essential
- Experience as team manager is desirable
- Ability to work effectively as part of a cross-functional, project-oriented team is essential.
- Excellent communication skills (both written and verbal) in English are essential

¹ In FP9, the DCT is foreseen to advance the design basis (physics and technology) of a DEMO fusion power plant, by implementing and agile architectural design capability, impartial analysis of options, and quick access to the expertise distributed in the EU fusion laboratories, universities and industry. This is needed to ensure the rapid convergence towards a feasible DEMO plant architecture (see G. Federici, C. Baylard, DEMO Project Charter Proposal, IDM reference: 2P3ZEP. April 2020).

The post holder will work in Garching, Germany and will report to the FTD Head. It should be noted that during the initial phase of setting up the DCT, the organisation of System Engineering, Integration and Project Management functions is not yet definitive. A re-organization and reallocation of these positions (with corresponding adaptation of the tasks and duties) are possible.

Date of Job Vacancy: January 1st, 2021

Application Deadline: October 19th, 2020

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 run until the end of the Horizon Europe framework period (31 December 2027), but 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.

In case the candidate is shortlisted, the interviews will take place by the end of October.

Please have your completed application including CV, cover letter and examples of your past-related work experience sent through your GA member/HoRU to: anne.graebner@euro-fusion.org.

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