

Systems Engineering and Design Integration Technical Lead

Job Description

The Systems Engineering and Design Integration Technical Lead will perform the technical leadership of Systems Engineering and Design Integration activities at both DEMO Power Plant-level and at System-level of the PPPT projects. He / she will report directly to the PPPT Head of Department.

Main Responsibilities

Accountable for the Systems Engineering and Design Integration function with the PMU for the DEMO Power Plant. This includes:

- Management, analysis and control of Plant Technical Requirements and Plant / System Design Definition through the leadership of the PMI project
- Develop, ensure progress and review the tasks executed by associations that comprise the PMI project
- Management and control of Technical Issues Register
- Lead the Design Integration and interface management of plant systems
- Assimilation and assessment of project outcomes into overall plant design
- Ensure Configuration Management is executed to an agreed plan and technical baselines produced. Facilitate and manage the Design Configuration Meeting (DCM)
- Facilitate the assessment, evaluation and selection of engineering design options, i.e., through technical reviews and expert assessments. Assist in the evaluation of physics design options
- Lead the definition, development and management of technical process, methods and tools
- Lead Industrial assessments of technology readiness and manufacturing feasibility for the design solutions being considered for each individual component/ system.

Required / desired qualifications and competencies

- University degree in a relevant Engineering / Technical discipline
- At least 10 years of relevant work experience with experience in nuclear and/or fusion reactor design and R&D activities desirable
- Work experience and knowledge in one of more of the PPPT project areas highly desirable
- Technical knowledge of Systems Engineering principles and practices essential

- Previous project team experience, since the ability to work effectively as part of a cross-functional, project-oriented team is essential
- Excellent communication skills (both written and verbal) in English essential

The Responsible Officer will work in Garching, Germany, and will report directly to the PPPT HoD.

Date of vacancy: Immediate – Application requested by 25 September 2015

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