



the way to new energy

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JOB DETAIL

Ref. IO1949 - 2/13/2018

Operations Division Head - SCOD-055

Main job Executive Management

Department SCOD / Science & Operations Department

Division SCOD / Operations Division

Job Family Head of Division

Application Deadline
(MM/DD/YYYY) 03/14/2018

Grade D1

Direct employment Required

Purpose To manage ITER operation, in particular by providing leadership in all matters related to commissioning, operation and maintenance of ITER plant systems and commissioning, operations and maintenance of the ITER tokamak, including training of engineers-in-charge and shift technicians and management of scope, schedule, cost, risk and quality of the related work.
To generate all documentation related to ITER commissioning, operation, and maintenance including Concept of Operations, Operation Handbook, and any material required by regulatory and licensing agencies.

-Develops the overall operations framework for the ITER facility for all phases of the ITER lifecycle, including required documentation;

Main duties / Responsibilities

- Coordinates and implements the system commissioning and transition to operations for all ITER plant systems in coordination with the Engineering Department responsible for installation;
- Prepares and executes the detailed plan for Integrated Commissioning, First Plasma, and Engineering Commissioning, including operation of the magnet systems up to full specifications;
- Defines the strategy and procedures for maintenance of the ITER facility, including Reliability, Availability, Maintainability, Inspectability (RAMI) analysis and use of contractors for maintenance;
- Ensures that ITER Project Specifications and Project Requirements related to operations are properly understood and implemented;
- Ensures that operations and maintenance issues are addressed in the design review process for all ITER systems including provisions for repair;
- Supports regulatory and licensing activities by proposing procedures for safe operation of the ITER facility, including integration of Human and Organizational Factor analysis in the plan for operations;
- Facilitates training of engineers-in-charge and shift technicians, including development of an ITER Plant Simulator in concert with other stakeholders in the Department;
- Executes and delivers the Detailed Work Schedule for scope, budget and schedule of the systems in the Division, including generating and implementing the staffing plan for the Division;
- Provides effective leadership for the Division, ensuring team members are motivated and constantly developing their skills and experience;
- May be required to work outside normal working hours, including nights, weekends and public holidays;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule;
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

Measures of effectiveness

- Reports to the Head of Science and Operations Department;
- Maintains close liaison with other Divisions in the Science and Operations Department, other ITER Organization Departments and Domestic Agencies with regard to operational issues;
- Collaborates closely with the ITER Operations Network and the Members' fusion facilities to integrate best practices from existing facilities based on ITER needs;
- In response to requests from the Director-General, or proactively, informs the DG of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.

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- Proactively supports the Department Head in realizing ITER operations, in particular, in the areas of system commissioning, integrated commissioning, operations and maintenance planning;
- Manages efficiently the development of procedures and plans to commission and operate the ITER facility;
- Establishes productive collaborations with fusion community and Members' fusion facilities to integrate best experience in preparation for efficient exploitation of ITER;
- Maintains excellent communications with all IO units and with stakeholders across the Members' fusion research communities;
- Manages effectively the continued development of key documentation, such as the Concept of Operations and the Operations Handbook required during the Operations Phase.

Project Construction Phase

Level of study	Master or higher degree
Diploma	scientific or engineering discipline
Level of experience	At least 15 years
Technical experience/knowledge	<ul style="list-style-type: none"> -At least 15 years' experience in fusion operations or experience in a facility of similar scale involving cryogenic fluids, high-pressure water, high vacuum, and high voltage electrical systems will be considered; -Extensive experience in jobs involving similar work responsibilities and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree; -At least 10 years' experience in coordinating or leading operational aspects of a fusion facility, experience in a facility of similar scale as defined above will be considered; -Experience in an international or cross-cultural environment and experience in a scientific research facility are highly desirable; -Interaction with high-level stakeholders in the international fusion research program is highly desirable.
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
General skills	<ul style="list-style-type: none"> -At least 10 years' experience of managing research and/or project teams in a major research organization; -Ability to provide effective leadership, motivating and developing team members' skills and experience. -Ability to negotiate with influence and convince internal and external stakeholders; -Ability to promote high visibility of shared contributions to goals; -Ability to adjust communication content and style to deliver messages to diverse audiences; -Ability to analyze multiple and diverse sources of information to define problems accurately; -Ability to model high standards of diversity, trust, excellence, team mindset, integrity and loyalty.
Others	<ul style="list-style-type: none"> -Computer and IT skills consistent with managing within a complex international project; -An understanding of the role of and requirements for plant simulation of a fusion facility would be an advantage.
Languages	English (Fluent)

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