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## JOB DETAIL

Ref. IO2068 - 1/17/2019

### Mechanical Engineer PED-163 & 166

**Main job** Mechanics

**Department** PED / Plant Engineering Department

**Division** PED / Field Engineering Installation Division

**Job Family** Engineer - 1

**Application Deadline  
(MM/DD/YYYY)** 03/03/2019

**Grade** P2

**Direct employment** Not required

**Purpose** Two openings

To assure the Operator Supervision Role during Mechanical and Piping installation in defined Worksites within the defined cost, scope and schedule;  
To assure the supervision of co-activity and the integration of the activities between ITER Organization (IO) Contractors, Construction Management as Agent (CMA) and Domestic Agencies' (DA) contractors;  
To develop the strategy to optimize the installation sequences, taking into account the in-kind contributions availabilities and buildings availabilities;  
To prepare and monitors the commissioning of the systems which have been installed.

**Main duties / Responsibilities** Coordinates technical interfaces between the Construction Management Agent (CMA) and the IO Engineering Departments, in his/her area of responsibilities;  
Leads the review process of any Installation Procedures, Inspection & Test Plans and the installation testing issued by the Contractor in his/ her area of responsibility;  
Participates and issues inspection and observation reports when and where required;  
Assures consistency among the mechanical and piping systems in his/her area of responsibility in installation phase and the engineering work packages issued by Engineering Departments;  
Follows the resolution of the field engineering changes and installation non-conformance related to his/her area of responsibility and manages their implementation;  
Controls testing and commissioning of components that are installed under her/his responsibilities and alerts line management when necessary;  
Is responsible in defining and implementing the installation sequences and schedule related to the installation of all ITER mechanical & piping system in his/her area of competencies;  
Is in charge of the commissioning of mechanical sub-systems and systems;  
Implements all procedures according to ITER organization rules to be operator of some mechanical systems following commissioning completion;  
May be required to work outside ITER Organization reference 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, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct;

Under the supervision of the Mechanical and Piping Installation Surveillance Group Leader, reports to the Field Engineering Installation Division Head.

**Measures of effectiveness** Ensures a timely and accurate reporting on the status of the fabrication and installation;  
Assures the completion of the installation of mechanical components, including a proper implementation of safety requirements and QA/QC requirement;  
Manages the handover of Engineering Work Packages (EWP) to CMA;  
Ensures the efficient execution of actions related to construction for his/her scope of activities, within the defined cost, scope and schedule;  
Manages effectively the interfaces associated with his/her scope of activities.

**Level of study** Master or equivalent degree

**Diploma** Mechanical Engineering

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<b>Level of experience</b>	At least 5 years
<b>Technical experience/knowledge</b>	<p>At least 5 years of experience in the construction, installation and testing of large and complex mechanical components and piping systems for oil and gas or nuclear plants;</p> <p>Experience in supervision roles for industrial plant installation, including knowledge of piping fabrication and installation procedures as well as welding techniques, testing and Non Destructive Techniques,</p> <p>Experience in piping supporting systems technologies, steel structures construction as well as fixation systems for oil and gas or nuclear plants;</p> <p>Experience in field installation supervision of plant static equipment, like pressure vessels and heat exchangers is considered as an advantage;</p> <p>Experience in field installation supervision of plant rotating equipment, like pumps and compressors;</p> <p>Knowledge in commissioning and operation of mechanical systems;</p> <p>Basic knowledge of large capacity Cooling Towers and open cooling circuits.</p>
<b>General skills</b>	<p>Good knowledge of Quality Assurance/Quality Control procedures for the installation, commissioning and operation of mechanical components and piping systems, including safety relevant components;</p> <p>Knowledge of Pressure Equipment Directive for piping systems and other pressure equipment applicable during installation and testing;</p> <p>Knowledge of international Mechanical components and piping systems standards.</p> <p>Knowledge of fusion related technologies and systems will be considered advantageous;</p> <p>The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.</p>
<b>Others</b>	<p>Knowledge of 3D CAD plant software (AVEVA and Catia or Smartplant) is advantageous</p> <p>Knowledge of MS Office standard (Word, Excel, PowerPoint, Outlook) is required.</p> <p>Ability to write clear reports and dialogue with a wide variety of contributors and stakeholders;</p> <p>Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;</p> <p>Ability to persist in the face of challenges to meet deadlines with high standards;</p> <p>Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals;</p> <p>Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.</p>
<b>Languages</b>	English (Fluent)

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