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# JOB DETAIL

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#### Ref IO1680 - 4/14/2016

### **Dimensional Control Engineer CST-036**

Main job Metrology **Department** CST / Construction Department **Division** CST / Construction Management Section/Division Job Family Engineer - 2 **Application Deadline** 05/15/2016 (MM/DD/YYYY) Direct employment Not required Purpose -To support the design and implementation of the global alignment and metrology strategy for ITER construction and the dimensional control of components.

# Main duties /

- Supports the development and implementation of the Responsibilities global alignment and metrology strategy for ITER, including on-site metrology, and the dimensional control of the Tokamak components during assembly;
  - Assists in the development and qualification survey processes and procedures, as necessary, to ensure fit-for-purpose data from the component manufacturing cycle to enable assembly alignment;
  - Assists in the development of the strategy for implementing manufacturing surveys with the ITER team, and with third-party inspectors;
  - Performs detailed design of the ITER site, pit, Tokamak, in-vessel datum systems and other sub-systems as
  - Develops processes and procedures for on-site assembly survey to ensure fit-for-purpose data;
  - Establishes and maintains data management and analysis protocols;
  - Prepares technical specifications and associated documentation for tenders, orders and instructions to proceed in liaison with the Procurement and Contracts Division and surveilles the work carried out by contractors - Builds and maintains relationships with internal and external stakeholders:
  - Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;
  - May be requested to be part of any of the project team and performs other duties upon management request;
  - Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and
  - Reports to the Construction Management Section/Division Head;
  - Acts as an interface between with all other ITER Divisions/Departments/Offices, DA and Contractors;
  - 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.

#### Measures of effectiveness

- Successfully elaborates, maintains and implements the Metrology Plan and Procedures within the defined schedule, cost and respecting quality requirements;
- Communicates efficiently with other sections to provide effective dimensional control and metrology solutions;
- Elaborates alignment strategies with traceable computations and documented processes.

Project Construction Phase

Level of study Master or equivalent degree

**Diploma** Mechanical Engineering or equivalent

Level of experience At least 8 years

Technical - Extensive experience in similar jobs, and/or additional experience/knowledge training certificates in relevant domains may compensate a lower education level.

- At least 8 years' experience in the application of 3-d metrology techniques to the alignment of large, complex, precise engineering structures;

- Knowledge of project management methodologies;

- Demonstrated ability to develop innovative solutions to complex engineering problems
- Extensive knowledge of Quality Assurance systems and their practical application
- Excellent safety record on previous projects.

Social skills Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit

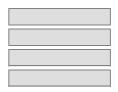
General skills - Ability to negotiate effectively in particular in relation to claims and disputes, to manage conflict and maintain

efficient working relationships;
- Ability to work in a team and to promote team work.

Others -Fluent in English (written and spoken), in particular the ability to write technical and contractual documents

- Experience using modern project management tools.

Languages English (Fluent)



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