

IO1678 In-Kind Assembly Tool Engineer CST-034

General information

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| Job category | Standard |
| Status | Published |
| Department | CST / Construction Department |
| Division | CST / Tokamak Assembly Section/Division |

Job description

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| Main job | Engineering - Construction |
| Title of the position | In-Kind Assembly Tool Engineer CST-034 |
| Job family | Coordinating Engineer |
| Grade | P4 |
| Direct employment | Not required |
| Purpose | <ul style="list-style-type: none">- To provide project engineering expertise, and apply project management methodologies to implement the Procurement Arrangement (PA) between the ITER Organization (IO) and the Korean Domestic Agency (KO DA), which covers the purpose-built tooling required to assemble the major Tokamak systems and components;- To ensure effective liaison between the IO Technical Responsible Officers and the IO technical disciplines interfacing with the purpose-built tools, and to be the primary technical point of contact with the KO DA. |
| Main duties / Responsibilities | <ul style="list-style-type: none">- Supports the Section/Division Head in matters related to the In-Kind Tools required for the assembly of the Tokamak Machine;- Manages the Procurement Arrangement for the purpose-built, tokamak assembly tools with the Korean Domestic Agency in collaboration with Project Control Office;- Maintains and implements the detailed work schedule for tooling supply, ensuring consistency between deliveries and need dates;- Co-ordinates the assigned IO resources and manages the associated engineering service contracts;- Contributes to the preparation and validation of assembly and installation processes, and ensures the compliance of tooling with technical requirements;- Participates in the review of the engineering designs of the tokamak systems, and ensures requirements and interfaces are clearly identified, defined and agreed;- Oversees the design and manufacturing activities;- Ensures design, procurement, certification and testing, operation and maintenance of the tooling is carried out in accordance with all applicable quality and safety requirements, and in compliance with the applicable Decrees, Directives and Codes and Standards;- 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 ethics. |
| Measures of effectiveness | <ul style="list-style-type: none">- Reports to the Tokamak Assembly Section/Division Head;- Interfaces directly with all ITER Organization Departments and Offices;- Interfaces directly with the technical staff of the KO DA;- In response to requests from the Director-General and/or Construction Department Head, or proactively, informs the DG/Construction Department Head 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.- Elaborates, maintains and implements the plan for the supply of the In-Kind assembly tools;- Provides appropriate, timely and comprehensive expertise and progress reports;- Ensures proper codes & standards are implemented;- Generates and maintains coherent, comprehensive and understandable documentation;- Maintains effective liaison within the ITER Organization, and with the technical officers of the |

KO DA;
 - Implements the Procurement Arrangement within the defined schedule and cost.

Project construction phase

Applicant criteria

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| Level of study | Master or equivalent degree |
| Diploma | Mechanical Eng. field or other relevant discipline |
| Level of experience | At least 10 years |
| Technical experience/knowledge | <ul style="list-style-type: none"> - Knowledge of the harmonized European codes and standards for the design, manufacture, testing and certification of machinery and tooling, including lifting tools; - Knowledge of French safety regulations pertaining to the certification and operation of lifting equipment is considered as an advantage. |
| | <ul style="list-style-type: none"> - At least 10 years' project engineering experience in the field of large capacity, high precision lifting, handling and alignment tooling systems; |
| | <ul style="list-style-type: none"> - Experience in the implementation of design and manufacturing processes in the product lifecycle; |
| | <ul style="list-style-type: none"> - Knowledge of Quality Assurance systems and their practical application; - Experience in the fusion related technologies, such as Ultra High Vacuum (UHV) and cryogenic applications would be desirable; - Experience of international procurement and tendering, and knowledge of contract law would be an advantage; - Solid experience in Project Management is required; - Demonstrated ability to deliver quality results on tight timescales. |
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| Social skills | Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit |
| Languages | English (Fluent) |
| Specific skills | CATIA, ENOVIA, MS Office standard (Word, Excel, PowerPoint, Outlook) |
| Others | <ul style="list-style-type: none"> - Proficiency in the use of the Microsoft Office suite of software; |
| | <ul style="list-style-type: none"> - Proficiency in the use of CATIA V5 and ENOVIA; - Experience of structural analysis software would be an advantage. |