

# IO1338 Plant System Control Engineer CHD-029

## General information

Job category	Standard
Status	Confirmed
Department	DIP/Directorate for CODAC, Heating & Diagnostics
Division	CHD / Control System Division
Section	CHD / CSD / Plant Control and Instrumentation Section

## Job description

Main job	Engineering - Control system
Title of the position	Plant System Control Engineer CHD-029
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To be responsible for plant system control system integration, including conventional, investment protection, nuclear and occupational safety controls.</p> <p>To be responsible for a set of ITER plant system Instrumentation and Controls (I&amp;C) systems; support the plant system Responsible Officer (RO) for the definition of the functional and technical specifications including the functional and physical architecture, the functional and physical interfaces, the acceptance tests at factory and ITER site and the integration of the plant system I&amp;C to central I&amp;C systems.</p> <p>To support ITER solutions for I&amp;C systems.</p> <ul style="list-style-type: none"><li>- Is responsible for the integration of a set of plant system I&amp;C to the central I&amp;C systems;</li><li>- Contributes to the testing, integration, commissioning and maintenance of these systems;</li><li>- Is responsible for the definition and update of the self-description data in the Control System Division (CSD) plant system profile databases along the plant system life cycle;</li><li>- Contributes to the update of the ITER I&amp;C standards of the Plant Control Design Handbook (PCDH) and to the promotion of these standards to IO other technical Divisions and Sections and DAs;</li></ul>
Main duties / Responsibilities	<ul style="list-style-type: none"><li>- Supports the plant system I&amp;C implementation;</li><li>- Establishes and maintains efficient working relations between the CSD and the plant system teams regarding his/her scope of responsibility;</li><li>- Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</li><li>- Performs other duties linked to the above purpose upon management request, as necessary;</li><li>- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li></ul> <p>Reports to the Plant Control and Instrumentation Section Leader;</p> <p>Interfaces with Plant Systems, Buildings, Design Office, Design Integration, Assembly and Integration;</p> <p>In response to requests from the Director-General and/or Director of Control System, Heating &amp; Diagnostics, or proactively, informs the DG/ Director of Control System, Heating &amp; Diagnostics 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.</p>
Measures of effectiveness	<p>Defines, delivers and maintains self-description data for a set of plant systems I&amp;C in Control System Divisions databases within schedule and budget.</p> <p>Integrates and delivers a set of plant system I&amp;C within schedule and budget.</p> <p>Maintains effective communications within plant system teams involved in his/her scope of activity.</p> <p>SAP Id: 50000281 - Project construction phase</p>

## Applicant criteria

Level of study	Master or equivalent degree
Diploma	Control engineering field or other relevant
Level of experience	At least 8 years
Technical experience	<ul style="list-style-type: none"> <li>- Experience in designing, installing and commissioning of scientific control systems or large scale industrial plant control systems;</li> <li>- Experience of working on fusion facilities or large scale industrial plant systems;</li> <li>- Experience in maintaining large scale industrial plant control systems;</li> <li>- Experience in control theory, analysis and design of digital control systems considered an advantage;</li> <li>- Experience of working for PLC and SCADA considered an advantage.</li> </ul>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Working)
Specific skills	<p>MS Office standard (Word, Excel, PowerPoint, Outlook)</p> <p>Basic Project Management experience is required;</p> <p>Experience in drafting technical and managerial documents;</p>
Others	<p>Experience in managing the procurement of products and services in a competitive manner and dealing with contractors;</p> <p>Ability to work effectively in a multi-disciplinary environment;</p> <p>Excellent computer and Siemens Step 7 products and software engineering knowledge and experience is required.</p>