



**Job Description n° \_\_\_\_\_**

**Company:** TechnipFMC Italy (TPIT)

**Job Title:** Instrumentation and Automation Engineer

**Location:** TPITFMC Rome – Engineering Department - I &A Section

**Short Job Summary:**

The candidate will work in the Instrumentation & Automation Section of Engineering Department (I&A).

I&A Section is in charge for proposal, engineering design and procurement activity.

The candidate will be assigned to a project team and tutored by Instrumentation and Automation Project Leader that will ensure, together with I&A Section Head, a progressive grow up in technical design and management.

The candidate will be involved in one or more of the following engineering activities:

- Control and Safety system definition and detailed design
- Telecom system definition and detailed design
- Analyzer system definition and detailed design
- Field Instrumentation definition and detailed design
- Bulk material definition and detailed design

**Reporting Line:**

- Hierarchically report to the I&A Section Head
- Key interactions are with;
  - Internally: Project teams, Procurement dept. Construction dept., Engineering dept., Planning dept., others engineering disciplines.
  - Externally: clients, vendors, suppliers.

**The activities in which the candidate will be involved will include but will not be limited to:**

- Technical specifications preparation (Field Instrumentation, Control and safety system, Telecom, etc.)
- Review and comment of P&ID (Piping and Instrument Diagrams) for any Instrument/control / interlock / safety related representations.
- Participation in HAZOP / SIL review meeting.
- Implementation of safety instrument design as per HAZOP / SIL review reports, performing the calculation of SIL definitions and preparing safety requirement specifications

- Preparation of system architecture for DCS, SIS, F&G, or any other control systems.
- Preparation of material requisitions for Field Instrumentation, Control and safety system, Telecom, etc.
- Review of vendor documents for incorporation into the design and co-ordination with other disciplines.
- Preparation of Logic diagrams, DCS Database and any other necessary Control & ESD system related documents for the system configurations.
- Design of control room and Technical Room Layout.
- Preparation of Datasheet for Analysis Engineering.
- Preparation of datasheets for ON/OFF Valve, Control Valve and safety Valves.
- Preparation of field Instrument datasheet for pressure, level, flow and temperature measurement.
- Preparation of Instruments Layout, Hook Up, Cable Routing and Bulk Material Take Off.

**Requirements:**

Must have:

- Master Engineering Degree in Electronic, Automation, Telecommunication Engineering
- knowledge of English
- Computer literate
- Capability to perform its work on time with the required quality level
- Communication skills, team spirit, self-motivation