

Instrumentation Engineer

Company Overview

Eurotecnica Contractors and Engineers is an internationally renowned engineering and contracting company, active in the chemical, petrochemical, refining, and solar fields.

Eurotecnica is part of the **Proman Group** - a corporation with assets in Trinidad & Tobago, USA, Mexico, Germany, Italy, Switzerland, Portugal, and Oman.

The Opportunity

The selected candidate will be responsible for activities related to its discipline within a project.

As part of a group of instrumentation engineers assigned to the project, he/she prepares deliverables and executes activities within the Process Automation discipline for a specific project in compliance with safety and technological requirements and standards defined for the project.

He/She reports to the Head of Department, while reports to the Process Automation Discipline Leader assigned to the project for the project related activities.

Key Responsibilities

Guided by the Process Automation Discipline Leader, Instrumentation Engineer's main tasks during project execution are:

Development of discipline deliverables such as:

- Technical specifications / data sheets for field and control room instrumentation.
- Sizing and calculation of flow elements, control, and safety valves.
- Process hook-up sketches and relevant bill of materials.
- Interconnecting and wiring diagrams.
- Instrumentation cabling, wiring, junction boxes, power supply and distribution, UPS, and associated TCP/IP, SCADA, Modbus networking (switches, routers, Ethernet, fiber optics, etc.)
- Cause & effect matrices.
- Interlock and control logic diagrams.
- Interlock and control narratives.
- Distributed Control Systems (DCS).
- Safety Instrumented Systems (SIS).
- Packages and/or Machinery controls and protection systems.
- Control and instrumentation design on Piping and Instrumentation Diagrams (P&IDs).
- Fire and Gas detection and protection systems.

As part of the **Department the Instrumentation Engineer:**

- Provides feedback to **Process Automation Discipline Leader** to increase efficiency of the group assigned to the project.
- Receives continuous training on the job according to the needs of the Department acquiring competences and shared experiences.
- Keeps himself updated about the instrumentation design.
- Pursues the continuous improvement of his proficiency and technical competences.

Possible additional tasks:

- He/She can be asked to assist the pre-commissioning/commissioning supervisor and start-up supervisor for all those activities related to plant process automation.
- He/She might be required to attend tests and inspections at supplier/manufacturer facilities in Italy and abroad.

Requirements

- High school **diploma or a bachelor's degree in STEM fields** (science, technology, engineering and mathematics).
- Experience 2/3 years of work experience in an engineering company operating on chemical/petrochemical plants may be a plus.
- Basic knowledge of the working principles and technical features of the most common automation technologies (sensors, transducers, control and safety valves, control and safety systems).
- Basic knowledge and understanding of electrical, pneumatic and hydraulic circuits and relevant flow diagrams.
- Willingness to continuously improve own skills and competencies.
- Proactivity, sense of initiative, ability to work independently and in a team.
- Fluent in English (written and spoken).
- Availability to to short and long term national and international business trips.

What we offer

- **Work-life balance:** The company offers the option to work both in the office and from home, thanks to **competitive remote working, flexible working hours and devices.**
- **Investment in personal growth:** Coaching and learning programs are planned, with scheduled sessions between employees and managers to define growth paths. We believe in **training on the job** and **learning by doing** methods. We offer a **permanent contract** and **annual gross salary** commensurate with experience.

- **Employee wellbeing:** Support is offered through health insurance, corporate welfare and wellbeing initiatives. **Corporate welfare:** for example, supplementary health care fund, occupational and non-occupational accident policy. **Great ticket restaurant** and always a **free coffee**.

Selection process

The process includes interviews with the HR team, technical assessments and final in-person meetings.

If all of this sounds good to you, then follow the instructions to apply and start your journey with Eurotecnica. Applications are encouraged even if you do not meet all the requirements, underlining the importance of **passion and commitment**.

Send an email to: jobs@eurotecnica.it with your **cover letter** and **Resume/CV**.
Subject line: **Ref. COD.: STR**

If this is not your preferred job position, come and **visit us** on our [ETCE - Job Opportunity](#). We are looking. The next one could be you!

Commitment to DE&I: The company celebrates differences, ensuring equal opportunities for all candidates regardless of their background or identity.

You can find out more about our company values and culture through our [ETCE WEBSITE](#).

The offer is open to both genders in accordance with L.903/77 and L.125/91. Candidates are invited to specify their consent for the processing of personal data (Legislative Decree 196/03) under Article 13 of the GDPR (EU Regulation 2016/679). All data provided by candidates is processed exclusively for purposes related to the selection process.