



SENIOR ENGINEER INSTRUMENTATION & AUTOMATION CONTROL (M/F)



Location: **Sarajevo**

Employment Type: **Full-time**

Work Mode: **Hybrid**

About the job:

The Senior Engineer – ICA is responsible for analysing project requirements and developing Instrumentation & Automation Control system deliverables, including F&G, specifications, datasheets, and design drawings. Leads and supervises the discipline team, ensuring technical accuracy and compliance. Manages requisitions, vendor evaluations, and procurement processes.

Key Responsibilities:

- ✓ Analyzing project specifications, tenders, and proposal requirements.
- ✓ Producing and supporting the development of Instrumentation & Control (I&C) system deliverables, including P&IDs, field instrument and valve specifications (control valves, safety relief valves), datasheets, and requisitions.
- ✓ Developing design documents, such as control narratives, logic diagrams, HMI displays (DCS, SIS, Fire & Gas, PLC), and analyser/analyser shelter specifications.
- ✓ Preparing specifications, datasheets, and requisitions for fire & gas detectors, deluge valves, flowmeters, safety valves, and control valve sizing calculations.
- ✓ Creating instrumentation lists (instrument, cable, I/O, and alarm lists) and design drawings, including level studies, wiring diagrams, location plans, installation details, loop diagrams, panel drawings, and remote instrument equipment building layouts.
- ✓ Establishing engineering and design concepts, ensuring technical accuracy and compliance with project requirements.
- ✓ Generating instrument, control systems, and construction specifications, as well as requisitions for simple analysers.
- ✓ Reviewing vendor documents, analyzing quotes, managing purchase orders (POs), and overseeing procurement processes.
- ✓ Leading and managing the Instrumentation & Automation Control discipline team.
- ✓ Training and mentoring engineers and designers to enhance their skills and expertise.
- ✓ Interfacing with other engineering disciplines and design teams to ensure seamless coordination.
- ✓ Contributing to knowledge management by developing a database for studies, projects, and operations, documenting experiences, and writing technical notes.
- ✓ Supervising construction, pre-commissioning, commissioning, and start-up activities related to instrumentation and control systems when required.



Job requirements

Education:

- ✓ University degree in Electrical Engineering or other relevant Universities.

Work experience:

- ✓ 8+ years of professional experience as an Electrical Engineer.
- ✓ Experience in field activities, including supervision of instruments and system construction, pre-commissioning, commissioning, and system start-up.
- ✓ Experience in Factory acceptance test (FAT), Site acceptance test (SAT)
- ✓ Experience in Instrument equipment in hazardous area.

Knowledge:

- ✓ Professional references and familiarity with the preparation of all documents produced in the ICA discipline in PI, at a Senior Engineer level.
- ✓ Proficiency with Smart Plant Instrumentation (SPI) or other instrumentation software tools, Navisworks, INSTRUCALC and PDF markup software.
- ✓ Familiarity with international standards (API, IEC, ASME, NEC) and their application in design and engineering.
- ✓ Proficiency in English (speaking, reading, writing).
- ✓ Strong MS Office skills (Excel, Word, PowerPoint).
- ✓ Certificate of Professional Exam & Engineering Design License (desirable for candidates from Bosnia & Herzegovina).

Skills:

- ✓ Ability to serve as an area technical lead while sharing expertise.
- ✓ Strong analytical thinking, in-depth process analysis, and troubleshooting skills.
- ✓ Responsible, reliable, and proactive.
- ✓ Decision-making, flexibility, resilience, accountability, ownership, reporting, and planning.
- ✓ Strong oral and written communication, effective correspondence, and professional representation in client meetings, negotiations, and documentation.
- ✓ Flexibility to travel to project sites locations as required.

If You Would Like to

- ✓ Work on international projects with global companies.
- ✓ Develop your expertise and apply best practices.
- ✓ Enjoy flexible working hours and break arrangements.
- ✓ Travel worldwide, visit project sites, and see the impact of your work firsthand.
- ✓ Contribute to company growth and innovation.
- ✓ Advance your career based on merit and performance.

We invite you to apply and give us the opportunity to meet you!

 **Application Deadline: 20.04.2025**