



**PI d.d.**

## **Senior Mechanical Engineer (m/f)**

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Location: Sarajevo

Employment Type: Full-time

Work Mode: Hybrid

Disciplines: Piping, Pressure Vessels, Rotating equipment

### **About the job:**

The Senior Mechanical Engineer will be responsible for delivering high-quality mechanical design and engineering solutions within one of the following disciplines: piping, rotating equipment, or pressure vessels. The role involves managing design deliverables, preparing technical documentation, and ensuring alignment with industry standards and project specifications.

### **Key Responsibilities:**

Analyse project specifications and define design criteria in compliance with engineering standards, materials, and construction practices.

Prepare and review technical documents including calculations, specifications, drawings, reports, and material requisitions.

Manage design deliverables across all phases (PDP, FEED, detailed design), including 2D/3D layouts, clash checks, and model reviews.

Ensure design accuracy and quality, provide technical oversight to junior engineers, and maintain team competency.

Coordinate with clients, vendors, subcontractors, and internal teams; support procurement and review vendor documents.

Conduct site visits, equipment tests, and support pre-commissioning and commissioning activities.

Identify safety risks, recommend mitigations, and drive continuous improvement in engineering processes.

Participate in planning, scheduling, budgeting, and tendering, including bid evaluation and subcontractor scope definition.

Ensure timely reporting, documentation control, and compliance with client and regulatory standards.

### **Job requirements**

#### **Education:**

University degree in Mechanical Engineering.

#### **Work experience:**

5+ years of professional experience as a Mechanical Engineer (preferably in the Oil & Gas industry).  
Less experience may be accepted.

#### Knowledge:

(Requirements vary depending on the assigned discipline)

3D modelling tools proficiency (CADWORKS, SP3D, E3D); experience with AutoCAD and Navisworks is desirable.

Skilled in preparing/reviewing Plot Plans, GA drawings, Isometrics, MTOs, and pipe supports (2D/3D).

Strong understanding of P&IDs, line lists, data sheets, plot plans, and piping classes.

Rotating equipment design (pumps, compressors, turbines, motors, gears, fans) and packaged systems (e.g., metering skid, VRU).

Knowledgeable in seals, bearings, and lubrication systems.

Static equipment design: tanks, heat exchangers, columns, and reactors with required safety features.

Proficient in nozzle/flange design, fatigue assessment, and material selection based on pressure, temperature, and corrosion.

Corrosion protection methods usage (coatings, allowance, cathodic protection).

Knowledge of PV Elite and Tank software is an advantage.

Solid knowledge of international standards (ASME, API, PED, EN, ISO).

Strong communication skills in English (written and verbal).

Proficient in MS Office.

#### 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 via [hr@pi-energies.com](mailto:hr@pi-energies.com) and give us the opportunity to meet you!

Application Deadline: 31.05.2025

**Lokacija:** Sarajevo

**Datum objave:** 06. May 2025.

**Datum isteka:** 31. May 2025.