SENIOR MECHANICAL ENGINEER – PRESSURE VESSELS (M/F)

Location: **Sarajevo**
Employment Type: **Full-time**
Work Mode: **Hybrid**

About the role:

Senior Mechanical Engineer – Pressure Vessels is responsible for developing project scopes, managing mechanical design deliverables, ensuring compliance, and supporting planning and bidding. Oversees subcontractor scopes, evaluates vendor bids, identifies quality concerns, and ensures team competency.

Key Responsibilities:

- ✓ Develop the scope of work for PDP, FEED, and detailed engineering projects.
- ✓ Serve as the single point of responsibility for all mechanical equipment (static equipment) design deliverables, ensuring compliance with applicable engineering codes, standards, and Client policies.
- ✓ Provide input into the preparation of Technical Work Practices (TWPs) and Standards, supporting planning, scheduling, and execution of discipline activities.
- ✓ Assist in man-hour estimation and schedule preparation to support bidding and tendering processes.
- ✓ Identify progress or quality concerns and recommend corrective actions as needed.
- ✓ Attend weekly internal and external progress meetings and generate status reports for the Engineering/Project Manager.
- ✓ Ensure competency assessments for all team members and maintain skill levels in line with company and Client requirements.
- ✓ Define the scope of work for third-party subcontracts as required.
- ✓ Prepare Tender Bid Evaluations, assess bids, and review vendor documents for detailed engineering projects.

Job requirements

Education:

- ✓ University degree in mechanical engineering (Mechanical Faculty), or a related field.

Work experience:

- ✓ 5+ years of professional experience as a Mechanical Engineer (in the Oil & Gas industry).

Knowledge:

- ✓ Design & Analysis of Static Equipment
  - Experience in designing storage tanks (above-ground & underground) with safety features like pressure relief, corrosion allowance, and leak detection.
  - Experience in designing and analysing heat exchangers (shell & tube, air-cooled, plate) ensuring thermal efficiency and pressure compliance.
  - Designing and analysing reactors, columns, and towers for oil & gas processing plants.

- Designing nozzles, flanges, and connections for static equipment, ensuring compatibility with piping systems.
- Assessing fatigue failure risks in static equipment due to cyclical pressure or temperature changes.
- Strong knowledge of international codes & standards (ASME BPVC, ASME VIII, API 650, TEMA, PED, ISO 9001, ISO 14001).
- Expertise in material selection for static equipment, considering corrosion resistance, temperature, pressure, and mechanical properties.
- Understanding corrosion mechanisms and applying protective measures (coating, corrosion allowance, cathodic protection) for equipment longevity and reduced maintenance costs.

✓ Proficiency in PV Elite & Tank.
✓ AutoCAD proficiency.
✓ Proficiency in English (speaking, reading, writing).
✓ Strong MS Office skills (Excel, Word, PowerPoint).

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