

Job title: MECHANICAL ENGINEER - HYDRAULICS and PRESSURE INSTALLATIONS (DESIGN)

Candidate profile:

- **Education:** Bachelor's degree, mechanical engineer profile
- **Work experience:** at least 5 years in the field of design of industrial hydraulic installations
- **Foreign languages: technical english** - preparation and technical analysis, written and spoken
- **PC skills:** Microsoft Office (Excel, Word, Power Point); AutoCad; Ansys, Solidworks or Inventor
- **Competences:**
 - ✓ **Orientation towards results** - concentrating efforts and prioritizing work to increase added value, taking responsibility for achieving results
 - ✓ **Efficient communication** - achieving communication correctly, completely in a convincing manner with team members and internal and external collaborators
 - ✓ **Collaboration and cooperation** - achieving effective collaboration with team members and collaborators, and acting and supporting the team's efforts to achieve a common goal
 - ✓ **Continuous improvement** - proactivity, continuous improvement of activities
 - ✓ **Analytical thinking** - performing methodical and organized work to find and implement solutions
 - ✓ **Initiative** - proactive and with the ability to anticipate, able and motivated to work autonomously
- **Other requirements** (additional advantages):
 - ✓ Project Management knowledge
 - ✓ Postgraduate degree in hydraulic engineering, high pressure installations
 - ✓ Non Destructive Testing certification: Ultrasonic Testing, Magnetic Testing, Dye Penetrant Testing

Job responsibilities:

- ✓ Preparation of feasibility studies together with the project team
- ✓ Checking of the existing documentation and input data for the projects preparation
- ✓ Preparation of hydraulics diagrams and functional description
- ✓ Checking of hydraulics parameters with finite element analysis (software - preferably) or specific calculations
- ✓ Preparation of hydraulic and mechanical assembly drawings for equipment, machinery, sectors/production lines - for manufacturing and assembly
- ✓ Preparation of manufacturing hydraulic drawings for parts and subassemblies - reverse engineering of existing parts or new drawings with improved constructive solutions - sketches and drawings for manufacturing, erection and assembly, as-built drawings
- ✓ Preparation of specific Calculation Files
- ✓ Preparation of specific Technical Reports
- ✓ Estimation of the quantities needed for purchasing, machining, and assembly of mechanical equipment
- ✓ Analysis, support, and issuing of the Technical Specifications for the request for offer to the suppliers
- ✓ Analysis, support, and issuing of the evaluation and comparison of Technical Offers received from suppliers including Basic Engineering and Detail Engineering.
- ✓ Carrying out specialized technical audits - capability, capacity, and quality at suppliers, before contracting, during manufacturing (intermediate inspections), and at the final tests (FAT).

- ✓ Carrying out technical assistance during the assembly and commissioning of the project implementation phase and issuing specific solutions as needed.