Job title: MECHANICAL ENGINEER - WELDED METALIC STRUCTURES AND CRANES (DESIGN)

Candidate profile:

- **Education:** Bachelor's degree, mechanical/welding engineer profile
- **Work experience:** at least 8 years in the field of design of industrial welded metalic structures and cranes
- **Foreign languagees: technical english** - preparation and technical analysis, written and spoken
- **Certifications:** EWE Welding engineer certification, RADTP-IR, RADTE-IR, other certifications are an advantage
- **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)**:**
  - ✓ Proiect Management knowledge
  - ✓ Postgraduate degree
  - ✓ 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 diagrams and mechanical loading diagrams for cranes and metalic structures
- ✓ Checking of stresses with finite element analysis (software - preferably) or specific calculations
- ✓ Preparation of mechanical assembly drawings for equipment, machinery, sectors/production lines - for manufacturing and assembly, included WPS, WPQR
- ✓ Preparation of manufacturing drawings for mechanical welded parts and structures 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
- ✓ Interpretation of 3D measurement results
- ✓ 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.