

# MECHANICAL ENGINEER

## *Angélica María Vargas Belisario.*



A hardworking, proactive and organized Mechanical Engineer a young professional looking for an opportunity in the company Mechanical Engineer, with more than Seven years of experience as a Professional, in the coordination, development, execution and control of projects ranging from improvements, maintenances, and investments in equipment and machinery, infrastructures, assets, among others Through, Planning, management and control procedure commissioning and maintenance of all piping services such as Raw water, contact water, HDPE, mineral duct, etc., supervision and inspection of all activities, team coordination mechanics Specialists in the of daily work activities, as well as the procedures and policies of the organization.

Due to I am a foreign professional worker, I fully agree to pay because I can afford all expenses related to labor law requirements as long as you would be my company sponsor.

### Keys Skills:

*Mechanical Design, AutoCAD.*

*Work Orders preparation, SAP R3.*

*Plan Control Project timely execution.*

*Microsoft Project and Execute Preventive and Corrective 2007.*

*Maintenance world Class, TPM.*

*NFPA 20 Standard for the Installation stationary.*

*Pumps Execute Technical evaluation of equipment's. for Fire Protection and review documents for approval.*

*Ensure Safety works environments by encouraging.*

*Design Calculations for Detailed engineering using Personal Protective Equipment (PPE). Projects.*

*Design Structures, Sap 2000 structural.*

*Design calculation to analyze structures, support beams, live and dead loads, wind, earthquake, to prove material resistance. SAP 2000.*

*Design calculation for mechanical equipment selection & piping systems, using the code ASME B31.1 process piping, ASME B31.4 Oil piping, ASME B31.8 Gas piping additionally API 610 Pumps, etc.*

*Standard hydrostatic tests under ASTM B31.4 and ASTM F2164 standards for carbon steel pipes and HDPE*

*Knowledge of NFPA 20, Standard for the installation of Stationary Fire Protection Pumps 2013 edition.*

*Languages: English- level Intermediate Advanced English, Course Fundamental. Valencia-Venezuela.*

### Professional Background:

**COBRE PANAMÁ - FIRTS QUANTUM (SEPTEMBER 2018 – AUGUST 2023):**

**MECHANICAL SPECIALIST (COMMISSIONING- START UP):**

Part of the Responsible Team of the commissioning phase of stationary and rotating equipment, systems and services for the commissioning and start-up of the first Copper Commercial Mine in Panama 2019. 1-Commissioning Cobre Panamá Fire Water Systems at Process plant, Reagent Area, Mine Service Area, Emulsion and Ammonium plant Area according NFPA 25,13, 19 etc Field Acceptance Test Hydrostatic test, Flushing, zero and max Flow test, load system test, through testing Patterson Diesel and Electrical Pumps (750GPM@150PSI) and Grundfos Jockey Pump(52GPM@80 PSI) to get the certify this systems with authorities corresponding. 2-Commissioning General Service for SAG Mill 40'x26.7', Primary Crusher and Secondary Crusher MP2500 and Mine service area including - Process and plant Air System Atlas Copco Compressor - Contact Water systems Vertical Multistage Pump

Grundfos - Diesel transport Systems Pump UIBrecht and Filter - Refueling System Tuthill pump. - Concentrated System  
FLSmith Krebs

**GRUPO UNIDOS POR EL CANAL (GUPC) (APRIL 2016 - AUGUST 2018).**

**MECHANICAL ENGINEER:**

Participating in final phase project "Design and Construction Third set of locks to Panama Canal Authority". Responsible for activities associated with the process of closing the project, for the Expansion of the Panama Canal, design and Construction of the Third Set of Locks (Pacific-Atlantic), among which are the information gathering in the field, reading and Interpretation of drawings, inspections to validate the status of project deliverables, final installation verification in systems, assets, components, equipment, ducts, instruments, accessories, under General, Mechanical, Electrical, to Through measurements and isometrics, for the subsequent updating of the documents (As built drawings), which integrate the indispensable information system for the acceptance and maintainability of the project. Aquapana – Panamá Pacífico (June 2015 – Marzo 2016) Analyst for the management of procurement, also responsible for monitoring and financial control during the execution of the projects, both their investment components, and their costs and operating expenses; Other assignments include the formulation of budgets, metric computations, technical offers for the installation of systems (against fire, potable water lift, hydro pneumatics, among others) for the portfolio of customers, including From construction companies, factories, industries, schools, clinics, belonging to the Republic of Panama. Additionally, field inspections of some installations executed. Elaboration of half-yearly reports with management indicators, including recommendations for improvements in project implementation.

**AMCOR RIGID PLASTICS– (2007-2011).**

**SENIOR PROJECT ENGINEER:**

Responsible for timely, safety and well done projects execution for different departments within the company. Duties

- Develop preliminary mechanical drawing such as: Design of plant Layout, P&ID, 2D & 3D models.
- Controlling project budget, by monitoring the assigned project resources and avoiding overspending, using SAP R3 tool.
- Control and Inspection of project execution works, within planning schedule to guarantee a job well done, and verify safety environment within own personal and contractors according safety and environmental policies.
- Reporting project progressing, through reviewing accomplished stages of the project using MICROSOFT PROJECT tool, to be presented during project meetings execution with the different actors involved in the process.
- Provide onsite assistance during installation of equipment to ensure compliance to company operating procedures and contract specifications.
- Execution of testing and commissioning of all Static Equipments VAI\_ Ingdesi de Venezuela – (2004-2007)

Design Mechanical Engineer: Responsible for design and development of the basic and detailed engineering under the specification for mechanical code. Duties

- Detail Engineering Developing to installed new set of flow meters.
- Working in the field wiring, installing and commissioning new instrument devices such as level meters and flow meters sensors and shutoff valves.
- Supervision and control safety and quality works.
- Develop Technical reports to review project execution stages.

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