

C.V Andrés Ruiz
Cell phone: +57-3163288721 Colombia



ANDRÈS ARMANDO RUIZ RODRÌGUEZ

- **Mechanical engineer**
- **Student for magister of project management**

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PERFIL PROFESIONAL

Mechanical Engineer and student for Master of Project Management. I am more than twelve (12) years of professional experience in activities such as planning, control, billing, construction supervision, quality assurance and pre-commissioning of multidisciplinary projects. I have a good use of project scheduling tools (Primavera P6 and MS Project) and an excellent willingness to continuously face work challenges that contribute to my professional growth and value to my work team.

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Academic Information

Mechanical Engineer. University Autónoma del Caribe. Años 2009

Degree work published by UNIVERSIDAD AUTÓNOMA DEL CARIBE in their magazine PROSPECTIVA:
<https://www.redalyc.org/articulo.oa?id=496250975008>

Magister of Project Management. University Tecnológica de Bolívar.
(Año 2021 a 2024)

Certified in Integrated Management System. Institute Politécnico Superior de Colombia

Course of Fundamentals of a quality management system. SENA

Course of Planificación de un sistema de gestión de calidad. SENA

Course of Autocad 2D. SENA

Microsoft Project – In progress. Institute BGA

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Work Experience

Employer: TERMOTECNICA COINDUSTRIAL S.A.S (Cartagena – Bolívar)

Final client: ECOPETROL S. A

Position: Mechanical scheduler

Project: Construction of civil works, electrical, mechanical and instrumentation required by Ecopetrol (Colombian oil company) for the HUB Caribe.

Functions:

- Review of tender documents for engineering works, purchase, assembly and commissioning of static and rotating equipment and pipelines.
- Review of contractual scope and technical specifications.
- Estimation of costs and profitability of service orders.
- Ensure compliance with the times and scope of the exhibited works.
- Requirement and monitoring of materials necessary for construction.
- Monitoring and control of the execution of work.
- Report deviations in the work plans and propose improvement actions.
- Detect, quantify and cost additional activities to the contract.
- Interaction with all disciplines of the work.
- Supervision of activities carried out by allies, suppliers or subcontractors.

Duration: February 2020 to may 2020

Jun 2020 to march 2023

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Employer: TERMOTECNICA COINDUSTRIAL (San Onofre- Sucre)

Final Client: PROMIGAS S.A. E.S.P.

Position: Technical office engineer / work scheduling.

Project: Expansion of the Filadelfia natural gas compressor capacity, installing 2 turbocompressor packages from the Palomino station, with their auxiliary equipment and new inlet and outlet pipes, two electric generators from the Ballenas station that connect the compressor station with the gas pipeline San Mateo.

Functions:

- Calculate quantities of work.
- Review of contractual scope.
- Quantify and cost additional activities to the contract.
- Reconciliation of amounts of additional works with the client and his representative.
- Preparation and follow-up of closing pending works.
- Preparation of calculation reports and billing records.

Duration: October 2018 to October 2019

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Employer: GESSC Ltda. (Tocancipá- Cundinamarca)

Final client: WATERLEAU y Central Cervecera de Colombia.

Position: Mechanical Engineer – Residente de tuberías

Project: Construction of a wastewater treatment plant (PETAR) for a beer production plant owned by Central Cervecera de Colombia. Sesquilé – Cundinamarca.

Functions:

- Planning and execution of prefabrication works and piping assembly.
- Supervision of personnel in charge and associated with welding and assembly of pipes and equipment.
- Support the planning department, establishing the amounts of work, resources and performance based on the engineering and technical specifications of the contract provided by the client.
- Ensure the timely supply of materials, equipment, personnel and inputs necessary for the correct development of the projects entrusted.
- Ensure the execution of the works in the times defined in the work plans approved by the client.
- Quantify and pay for the amounts of work additional to the contract. Elaboration of APU's.
- Ensure the physical safety of the personnel in charge, the conservation of the client's property and compliance with the quality standards required by the client and the contractual norms of the projects commissioned.

Duration: Ferber 2018 to September 2018

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Employer: SDV Energía E Infraestructura S.L. (Tocancipá- Cundinamarca)

Final Client: Air Liquide Colombia

Position: Quality Coordinator

Project: Works for the construction of a cogeneration and CO2 recovery plant for Coca Cola within the industrial park of FEMSA – Tocancipá.

Functions:

- Follow up on the inspections of the personnel in charge to ensure that the work is being carried out according to the defined inspection plans, drawings, technical specifications and other requirements and codes applicable to the contract.
- Coordinate the inspections of the materials, in such a way that it is validated that the materials that arrive at the work are in perfect condition and have their respective quality certificates.
- Ensure that the percentages of non-destructive tests on welded joints are met.
- Ensure that the quality inspections contemplated in the inspection plans for wiring, boxes and other materials and products of the electrical work and instrumentation are fulfilled.
- Ensure the conservation of the client's property.
- Support the contract administration department with the control and costing of additional works.
- Ensure compliance with preventive, predictive and corrective maintenance plans for equipment on site.

Duration: November 2015 to September 2017

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Employer: SDV Energía E Infraestructura S.L. (Villavicencio- Meta)

Final Client: ECOPETROL S.A.

Position: Inspector Qa/Qc

Project: Contract MA-005101. Works for the construction of a production water treatment plant (STAP) for ECOPETROL S.A.

Functions:

- Lead the reception of the materials that arrive at the work, ensuring that they arrive complying with the characteristics, quantities and documentation requested.
- Inspect and document the manufacturing and assembly activities of the storage tanks built on site. This is based on the provisions of API 650 and other customer requirements, ensuring the traceability of the records.
- Inspect and document the welded joints in the tests of welders, prefabrication and assembly of piping and storage tanks according to the ASME and API650 code as applicable for each case.
- Inspect and document the quality of coatings (paint) used on metal structures, tanks, and piping. Verifying that all the paint schemes required in the contract specifications are met.
- Prepare the construction dossier and present it to the client for subsequent review and approval.

Duration: Ferber 2013 to October 2015

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Employer: SDV Energía E Infraestructura S.L. (Yopal- Casanare)

Final Client: Valerus - Termoyopal

Position: Inspector Qa/Qc Mecánico

Project: Construction, assembly and start-up of a gas drying plant in the town of El Morro - Yopal.

Functions:

- Participate in the reception of the materials that arrive at the work, ensuring that they arrive complying with the characteristics, quantities and documentation requested.
- Review the documentation that is handled in the construction to ensure that documents are being handled in the latest updated versions.
- Inspect and document the welded joints in welder tests, prefabrication and assembly of pipes and storage tanks according to the ASME code and API650 and API1100 as applicable for each case.
- Inspect and document the manufacturing and assembly activities of the storage tanks built on site. This is based on the provisions of API 650 and other customer requirements, ensuring the traceability of the records.
- Supervise the activities of cleaning the pipeline with pig pigs and calibration plates.
- Inspect and document the quality of coatings (paint) used on metal structures, tanks, and piping. Verifying that all the paint schemes required in the contract specifications are met.

Duration: August 2012 to February 2013

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Employer: ISMOCOL de Colombia (Aguazul- Casanare)

Final Client: ECOPETROL S.A.

Position: Engineer III

Project: Contract No.5209154 – Expansion of gas plan in CPF Cupiagua S.O.N.

Functions:

- Supervise the execution of the assembly of metal supports for piping and equipment.
- Require in a timely manner the equipment, personnel and materials necessary for the prefabrication and assembly of the metal supports.
- Ensure the fulfillment of the goals regarding the activities of assembly of parts and welding.
- Supervise and demand compliance with industrial safety and quality standards in the personnel in charge.

Duration: August de 2011 to March 2012

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Employer: ISMOCOL de Colombia (Monte Líbano- Córdoba)

Final Client: CERRO MATOSO S.A.

Position: Engineer Assistant

Project: Proyecto NOSS. Manufacture, assembly and assembly of an electric furnace for the smelting of nickel in Cerromatoso S.A.

Functions:

- Supervise the execution of the assembly of metal supports for piping and equipment.
- Require in a timely manner the equipment, personnel and materials necessary for the prefabrication and assembly of the metal supports.
- Ensure the fulfillment of the goals regarding the activities of assembly of parts and welding.
- Supervise and demand compliance with industrial safety and quality standards in the personnel in charge.

Duration: April de 2011 to July de 2011

Employer: ACI Proyectos (Monterrey- Casanare)

Final Client: ECOPETROL S.A.

Position: Professional QA/QC

Project: Adaptation supply and assembly of electrical equipment, multiple pipes, civil adaptations and instrumentation in the stations of Araguaney, Castilla and Monterrey of the vice presidency of transport of Ecopetrol S.A.

Functions: Qualification of welders and welded joints, preparation and review of work procedures, control of traceability of materials and welded joints, NDT programming, inspection of coating conditions with measurement of paint thickness and adhesion tests.

Duration: Decembre de 2010 to march de 2011

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Employer: Consorcio ITS (Barrancabermeja- Santander)

Final client: ECOPETROL S.A.

Position: INSPECTOR QA/QC

Project: Expansion of the oil refinery Ecopetrol S.A.

Functions: Preparation of pipeline books, ensuring compliance with the END percentages for welding, programming of repairs of welded joints and Heat Treatments for the release of pipelines.

Duration: January 2010- September 2010

Employer: Consorcio COOTRIMAB (Aguachica- Cesar)

Final Client: TGI

Position: AUXILIAR DE INGENIERIA QA/QC

Project: Construction, assembly, testing and commissioning of the expansion of gas compressor stations.

Function: Control of technical documents and the integrated project management system.

Duration: November 2009 to January 2010

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Employer: **Consorcio ITS - (Barranquilla - Atlántico)**

Position: Engineer Assistant

Project: Prefabricated pipes for the expansion of the hydrotreatment plant (refinery) of Barrancabermeja Ecopetrol S.A.

Functions: Preparation of pipeline books, ensuring compliance with the END percentages for welding, programming of repairs of welded joints and Heat Treatments for the release of pipelines.

Duration: May 2009 to September 2009

Employer: **CEMENTOS ARGOS S.A. (Barranquilla–Atlántico)**

Position: PRACTICING ENGINEER

Duration: January 2009 to June 2009

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Family Reference

Name	Luz Grey Ruiz Rodríguez
Occupation	Industrial Engineer
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Personal Reference

Name	Luis Manuel Bustamante Ramos
Occupation	Systems analyst and programmer
Telephone	+57-300 202 1990