

**PROFESSIONAL RESUME**  
**VLADIMIR DIAZ**  
**SENIOR AUTOMATION & INSTRUMENTATION ENGINEER**

Phone: +54 911 7008 3885  
E-mail: vadanet@hotmail.com

**EDUCATION:** *Bachelor's Degree Control Systems Engineer, 1987.* Los Andes University. Venezuela

**NATIONALITY AND DATE OF BIRTH:** Venezuelan, January, 24th 1963

**ADDRESS:** Buenos Aires, Argentina.

**LANGUAGES:** Spanish / Native, English / proficient, Portuguese / Intermediate, French / basic

**CONTACTS:** +54 911 7008 3885

**GENERAL PROFILE:**

32 years of professional experience in Instrumentation & Control/Automation engineering, in roles as I&C/A project engineer, I&C/A Manager, activities related to coordination and leading, brownfield engineering, maintenance, multidisciplinary engineering, supervisory, construction, pre-commissioning, commissioning, turnover/handover, Shutdown and startup of plants, SAT, FAT, QA/QC, revamp and upgrade of plants. Dismantling/demolition projects. Oil & GAS for wellheads, production, pipeline, oil storage, Refining, Petrochemical, Gas, LNG. Shipyards, Underground transportation, and Industrial Security. 15 Years as Lead I&C/A engineer at Puerto La Cruz Refinery Venezuela, State-Owned Oil Company Petróleos de Venezuela, S.A.-PDVSA. 9 years working as Senior I&C/A Lead for International recognized Engineering Consultant firms, 5 years as a C&A Project lead for Oil & Gas Contractors Companies in Venezuela, and 3 Years as a CEO for Oil & Gas Contractor Company in Venezuela.

Wide experience developing concept, basis/feed, and detail design engineering for Instrumentation and control system in Oil & Gas Sector, with On Shore experience in Europe, Middle East, Asia, South America, and North Africa. Very Good all-round understanding of all disciplines: Civil, Structural, Piping, Welding, Pipelines, Mechanical, engineering, and field works.

Leadership, communication, planner, quality, organized, teamwork, multitasking, influence, controlling, emergency responsiveness, pressure handling.

**KEY PERFORMANCE FIELDS:**

- Strong experience in engineering (all Stages), construction, commissioning, turnover, and start-up for instrumentation and control systems. Good knowledge for mechanical and electric packages.
- Preparation of project Specification for DCS, SIS, BMS, and PLC systems and Package units.
- Basic and detail engineering for DCS, SIS, BMS, and PLC systems and Package units.
- Very good knowledge in technical evaluation for BID control systems and instrumentation. Client-side.
- Prepare, Review and approve Instrument data sheets, Cause & Effect diagram, Logic diagrams, Material / Technical Requisition, Technical Bid Evaluation, and Vendor Documents Review & approval, instrument Index, Cable schedule, Interconnection wiring drawings, Termination drawings, Junction box schedule, Instrument Hook-up drawings, Material Takeoff, BOQ and instrument specifications. Review of P&ID's, Isometric drawings, and 3-D modeling. Management of change lead (MOC).
- Provide a review of 3rd party engineering work on behalf of the client.
- Auditor EPC projects for I&C/A engineering.
- Field engineering during the construction phase.
- Construction supervisor for I&C/A, pre, and commissioning, and turnover activities.
- EPC contractor and subcontractors Automation and instrumentation works. Supervisory roles and on behalf of the owner to carry out inspection/monitor and ensure compliance with project specifications.
- Overall supervision of I&C/A engineers, designers, and technical personnel in the execution of the project.
- Understanding of fault analysis and reliability assessments using recognized techniques such as HAZID and HAZOP.
- Support in the procurement stage. Client-side.
- Familiar with codes, standards, regulations, and practices applicable to the design and construction (API, ASME, ANSI, AWS, ISA, ASTM, ARAMCO, TEXACO, FOSTER WHEELER, PIP, TOTAL, KOC, KPO).
- MS Office suite / Intools / autocad / instrument software's / not limited.

**PROFESSIONAL ASSOCIATIONS / CERTIFICATIONS:**

- Colegio de Ingenieros de Venezuela (Venezuelan Engineers Association # 60902)
- ISA: The International Society of Automation # 32041293

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**PROFESSIONAL EXPERIENCE:**

**December 2020 – now– UTE TECHINT-SACDE, Buenos Aires - Argentina.**

**Roles:**

- Instrument and Control detail engineer for Closed Cycle Thermoelectric Power Plant, La Ensenada, La Plata

**March 2019 – April 2020– Fluor, Buenos Aires - Argentina.**

**Roles:**

- Instrument and Control detail engineering Lead, Oil.
- Preparation of SOW, planning, and CTRs for detail and Feed Stages. Medium and small projects. Greenfield and brownfield. (15.000 MHs).
- Preparing status reports in terms of schedule, man-hour budgeted Vs spend, and forecasting.
- Define the basis of design for instrumentation
- Assure the Technical quality of all typical deliverables by reviewing and approving.
- Guaranty the applicability of company and client standards.

**Jan 2017 - Dec 2018– EniProgetti (Klarit Headhunter), Aksay - Kazakhstan.**

**Roles:**

**I&C Feed/Detail project Lead**

- Instrument and Control detail engineering Lead, "KPC Gas Debottlenecking (KGDBN) Project" for KPO, Karachaganak Petroleum Operating, a consortium formed by ENI, Shell, Chevron, Lukoil, and KazMunayGas.
- Brownfield engineering for Karachaganak processing complex (KPC).
- Preparation of SOW, planning, and CTRs for the Feed and detail Stages. Greenfield and brownfield. (56.000 MHs)
- Provides technical supervision over discipline work including reviewing, approving, and signing discipline all deliverables. Instrumentation and Telecom.  
Instrument basis of design, Instrument, I/O, cable lists, Data Sheet, Systems Architectures, Systems specifications, MTOs, Layout, wirings, Loop diagrams, 3D Model, Hookups, instrument work SOW, BOQ, Material Requisitions, Manage of Change, control narrative, C&E matrixes, required documentation and inspection data sheet for purchasing, Technical bid evaluations and Vendor Follow up, Site Surveys, and others.
- Guaranty the applicability of company and client standards.
- Weekly meeting with the client for handling all the activities related to the discipline. Schedule, technical issues, Client plan for procurement, etc.

**I&C CoreTeam. Brown Field projects**

- Functions as discipline technical authority on Brownfield projects.
- Develop, review and approve brownfield I&C projects for KARACHAGANAK PROCESSING COMPLEX (KPC)-KPO.
- For Wells, assure the technical quality of all deliverables by reviewing and approving.
- Approve contractor modifications/suggestions during the construction stage. Apply for KPOC and Wells.

**I&C Manager**

- Manager Functions during off-shift of the titular one.

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**2013 - 2016 - Asesoría e Inversiones IDA, C.A.- (Venezuela).**

**Role: Chief Executive Officer (CEO)**

Management and project coordination for all activities related to Engineering and Construction Service contracts with clients.

- Structural analysis of Water tank 50 Mb. Smedi contractor. Venezuela
- Baseball stadium Hugo Chavez. Fire detection, CCTV, sound, and telecom systems detail engineer. Venezuela
- Replacement of TGCS Compressor Project, Refinery ISLA. Instrumentation package updating Engineering. Curacao.
- Onshore facilities for offshore platforms-BID EPC package. Castillomax contractor. Venezuela
- 10 Flowmeter skids -BID EPC package. PDVSA and Castillomax contractor. Venezuela
- Fiber Optic Insulation Test Services, Refinery PLC Conversion Project. Vone Consortium. Venezuela
- Fire and Gas instrumentation FEED Project. ID PHASE 300 YUCAL PLACER YPERGAS. Venezuela

**2011 - 2013 - Construtora Andrade Gutierrez (Brasil - Venezuela).**

**The ALBA Shipyards, EPC ASTIALBA Project.**

**Role: Engineer Coordinator and C&A Lead**

Coordination for basic and detail engineering by third parties contracted by the Brazilian company Andrade Gutierrez:

- Korea Maritime Consultants Co., Ltd. (KOMAC), Process, electrical, I&C, and safety.
- Brazilian CONSORCIO ENGECORPS-EGT, Architecture, civil and structure.
- Nouel Ingenieros, Administrative facilities Detail Engineering, I&C and safety.

**2010 - 2011 - Empresas Y&V (Venezuela).**

**New Expansion El Palito Refinery. FEED and EPC for Amine Plant and Sour Water plant.**

**Role: Senior C&A Engineer**

Preparation of main C&I/A documentation including Instrument material take off, work quantities, instrument list, instrument cable list, Orifice plates, restriction orifices, Control valves, Safety relief, Motorized valves actuator, Self-acting control valves calculations for preliminary sizing, Main instrumentation cable routing, Junction boxes location layout, Cost estimate support, Control & operation philosophy, Hazop, Hazard, SIL/SIS, 3d model, Basis and criteria process design, Process flow diagram, P&IDs, equipment Lay-out, Constructability study support.

**Urea Plant, Petroquímica de Venezuela Complex Project. Venezuela, Moron.**

**Role: Field engineer for C&I/A and Telecommunication**

Activities related to the role in the construction including, Field engineering support, Materials and equipment Requirements, Construction Supervising, As-Built preparation, Loop checker coordinator, Quality control (QA/QC), Pre-commissioning, Commissioning, and handover.

**2005 - 2010 - Otepi Consultores, (Venezuela, Spain, Saudi Arabia, Argelia).**

**Role: Senior C&A Engineer Lead**

- FEED and Detail Engineering for Scrubber Project. Ypergas-Total Oil & Gas, Caracas, Venezuela.
- Security protection for Oil & Gas Plants. Basic and detail engineering for CCTV, Perimeter Protection, and Access Control. PDVSA ANACO and Jose Oil & Gas Industrial Complex. Puerto La Cruz, Anzoátegui Estate, Venezuela.
- Detail engineering for Sphere Piping Project Connection of Spheres V2110A/B/C to the PCB bullets (V2100A/B/C) Point Lisas, Trinidad, West Indies. Caracas, Venezuela.

**Role: Senior C&A Engineer, Foster Wheeler Iberia/ Initec Grupo Técnicas Reunidas, Madrid Spain.**

FEED activities: Preparation of Specifications for DCS, Emergency Shut Down and F&G systems, Check and update P&ID's, BID analysis for DCS-ESD-F&G systems and package units Projects

- Basic Engineering Package (BEP). New Delayed Coker Unit (CK6). Reduction Fuel Oil Project. REPSOL YPF/ Petronor Refinery, Muskiz, Vizcaya. Madrid, Spain, Foster Wheeler Iberia
- BID Engineering Package (BEP). Building New Booster Station BS-160 Project for Kuwait Oil Company

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(KOC), Initec Grupo Técnicas Reunidas Madrid, Spain.

- FEED Package and BID. PTT LNG-Thailand: Jetty Development and LNG Receiving Terminal Project. Initec, Grupo Técnicas Reunidas Madrid, Spain.
- EPC MEDGAZ Gas Pipeline Project, Algeria. Initec Grupo Técnicas Reunidas Madrid, Spain.
- 40" Gas Pipeline from BS 131 (NK) to LPG Plant (MAA) Project. Kuwait Oil Company (KOC). Initec Grupo Técnicas Reunidas, Madrid, Spain.
- FEED Study Increase Water Handling. Ourhoud Organization, Algeria.
- Engineering Package. New Unit Topping and Vacuum N° 3 and associated auxiliary units, ENAP Refineries. Initec Grupo Técnicas Reunidas Madrid, Spain, and Chile.

**Role: C&A Field engineer for Pre-commissioning, commissioning, and turnover**

- Ju'aymah Gas Plant Expansion Project for Aramco. Saudi Arabia, Ju'aymah. Grupo Técnicas Reunidas, Madrid, Spain.
- MEDGAZ Gas Pipeline Project for Beni-Saf. Algeria, North Africa, Grupo Técnicas Reunidas.

**2004 - 2005 - Total Oil and Gas (Total) (Venezuela).**

**Role: Control & Automation Engineer Lead**

Activities: Field and turnover engineer for Shut down Plant projects, Lead engineer for C&A projects, and Reviewer/approver for following projects:

- Jusepín Gas Separation Plant, Venezuela. OUP Redevelopment Project, Caracas, Venezuela.
- Jusepín Gas Separation Plant Project, Monagas State, Venezuela.

**2003 - Tecnoconsult (Venezuela).**

**Role: C&A Engineer Supervisor**

Debottlenecking and Main Shutdown Project, Sin Crudos de Oriente, Sincor Puerto La Cruz, Anzoátegui State, Venezuela

- Functional tests for Triconex-ESD and Distributed Control Foxboro IA System upgraded for the Unit Delayed Coker. Handover to the client.
- Construction Inspector and as-built documentation.
- Instrument loop checker.

**2003 – 2004, Grupo Alvica: Inelectra-Fluor Daniel (Venezuela).**

Hamaca Project, Ameriven Association. (Texaco-Chevron-PDVSA). Venezuela.

**Role: C&A Field engineer, construction inspector, and C&A QA/QC Loop checker for Pre-commissioning and commissioning.**

- Field engineering for instrumentation, automation, and telecommunication.
- Materials and equipment. Procurement and Technical BID evaluations.
- Construction inspector and supervisor. Instrumentation issues.
- Documentation As Built.
- Loop checker coordinator.
- Quality control (QA/QC).
- Instrument Pre-commissioning and commissioning activities.

**1988 – 2003, Petróleos de Venezuela S.A. PDVSA, (Venezuela).**

Several projects and activities in Automation and Control Superintendence

**Role: C&A Engineer Leader**

- EPC-turnkey Projects for Fire Detection Systems, ESD Systems, Distributed Control Systems (DCS), PLC Systems, CCTV Systems, Access Control and Security Systems, and others. Include Conceptual, Basic, and details engineer.
- Maintenance Coordinator for Distributed systems, Control Scada Systems, Fire & Gas control Systems, Fire detection systems, and CCTV and Security Systems.
- Construction Inspector for Electrical, mechanical, piping, vessels, civil and instrumentation works.
- Construction lead and Field engineer.

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- Cost Estimator for the C&A discipline.
- Quality control (QA/QC) for engineering, procurement, and construction for Control systems, instrumentation and package units.
- Multidisciplinary projects lead.
- Engineering and construction coordinator for re-instrumentation and revamping projects for Oil & Gas Plants.
- C&I/A Project Lead.
- C&I/A Engineer Lead for Shut down, handover, and Startup. Refinery and Gas Plants.

**MAIN FORMAL TRAINING:**

- PAMF Progressive Analytic Method for faults.
- System of information for maintenance.
- Risk and reliability for industrial facilities.
- Technics for organized maintenance I.
- Instrumentation engineering.
- Instrumentation applied.
- Maintenance of systems MOD-300.
- Measuring and control of the maintenance.
- Emergency Shutdown Systems Trip-Alarm.
- Communications, optic fibers, and networks.
- Dynamic Measurement of liquid Petroleum.
- System of collection of passages for subways.
- Maintenance meter Induction.
- PERT-CPM.
- Administration for supervisors.
- Magnetic particles I.
- Writing technical reports.
- First aids.
- Human resources technical of handling.
- Control Systems Functional Program.
- SPI to MatMan.
- HSE In Design.
- Fluor Operating System Requirements (OSR).
- Integrated Solutions.
- Excavation, Trenching, and Shoring, Fall Protection, Confined Space Entry, Scaffolding, Motorized Heavy Equipment, Loading, and Unloading Material.
- Hazardous Energy Control.
- Engineering Planning and Control using the DCLS.
- Field assignment safety guidelines.
- Design and advanced programming for PLC Allen-Bradley.
- Control of Planning and engineering, procurement, and construction.
- Instruments, selection, and application.
- Design and evaluation for ESD Systems.
- Confined spaces Security.
- H2S Handling.
- Startup For Refineries Plants.
- Refinery processes.
- Continuous regeneration of catalyst.
- Introduction to Process Hazard Analysis (PHA), Hazard Identification (HAZID), Hazard and Operability (HAZOP) Study, and Closeout.
- Electrical Safety.
- Aerial Lifts, Elevating Work Platforms, and Material\_Personnel Hoists.
- Requirements for SIL Assignment and Verification
- Process Safety Regulations and Standards.
- Change Management Overview Course.
- Training for Discipline Auditors.
- Unison Assessment - Data Standardization Engineering.
- Communication assertive.
- Analysis of problems and taking of decisions.
- Stress Managing and control.
- English VI.
- Oral presentations.
- Supervisory development I.
- Cost benefits Analysis for Projects.
- Base Line and business in Fluor corporation.

**Word events**

- ISA Expo Tech, Anaheim, California, 1997
- 73rd School of hydrocarbon measurement Program, Norman Oklahoma, 1998
- ISA Expo, Houston, Texas, 1999.
- National Petrochemical & Refiners Association (NPRA), computer Conference, 2002