

R. BERN C. QUINONES

Instrumentation Design Engineer

EDUCATION

Mindanao State University – Iligan Institute of Technology
Industrial Automation and Control Engineering Technology
Tibanga, Iligan City Philippines

SUMMARY OF EXPERIENCE

Working experiences in Multi-Nationals & Local Companies for 8 years in the field of Electrical & Instrumentation. It involves Process Industries such as, Petrochemical, Marine, Oil & Gas. Skills and knowledge of Instrumentation and Control engineering including detailed design and engineering, maintenance, installation, troubleshooting and calibration of industrial control process instruments PLC, DCS and equipments. Quality Control background in construction involving inspection, office works and preparation of document like report for inspection, test report, and report status; also in document control of drawings and data sheets specification and indexing. Over 3 years extensive experience as microprocessor process operator and proper documentation of the obtain result in the process production. Efficient in Windows operating system, MS office like Word, Excel, Database Access and knowledge in Visual basic. Good knowledge in AutoCAD, Microstation and Proficient with INTools automation tool for instrument database building of data sheet development, instrument hook-up assignment, loop drawing generation, material takes off and wiring module.

SPECIFIC EXPERIENCE**ROYAL HASKONING DORDTSE ENGINEERING**

Contract agency: JVR CONSULT INTERNATIONAL B.V.

Location: Postbus 393 - 3300 AJ, Dordrecht The Netherlands

Date: August 05, 2008 to April 30, 2009

Instrumentation Design Engineer

Review vendor documentation and interconnection diagrams in our project scope.

Electrical motor installation details interconnection review between another contractor scope.

Junction Box termination, Loop schematic drawings, Marshalling connection assignment and review.

Update Piping and Instrumentation Diagram (P&ID) with accordance of Instrumentation scope.

Access database automation tool for instrument database building for loop generation, index, report, and perform inputs and updates.

Preparation of I/O list, Instrument List for Siemens PLC card assignments.

Evaluate control systems instrument and equipment based on client standards and industry regulations.

Preparation of basic drawings for tender purpose.

EXXON MOBIL ASIA PACIFIC PTE LTD.

Contract agency: NOVEXX PTE. LTD.

Location: #18 Pioneer Road, Jurong, Singapore

Date: June 05, 2007- June 04, 2008.

Electrical and Instrumentation Design Engineer

Perform management of change for project design in Plant refinery.

Assigns Installation detail to field instruments and electrical equipment.

Preparation of Location Layouts, Instrument control room / equipment layout, Instrument Layouts, tube routing or pneumatic layout.

Preparation of Cable schedules, Junction Box termination, Loop schematic drawings, Marshalling termination drawings and cable block diagrams.

Preparation of I/O list, Instrument List.

Preparation of Hook-ups & Installation drawings

Understanding the Logics and preparing the DCS related logic drawings.

Preparation of basic drawings for tender purpose.

Preparation of As-Built drawings and modifications to the existing drawings.

Equipment layout, Power, Lighting & Earthing Layouts.

FLUOR DANIEL INC. – PHILIPPINES (FDIP)

Alabang, Muntinlupa Philippines

Project Name: Golden Eagle Refinery Coker Modification Project
Client Company Name: Tesoro
Project Location: Martinez, California
Date: September 04, 2006-May 18, 2007

Control System Design Engineer

Perform design software like PDS, Auto CADD, INtools, Microstation, P&ID.
Extract 2D or 3D drawings from PDS model.
Perform Internal Model Review of Control System Model.
Knowledge of PDS Inline & Offline Models.
Develop of Instrument Location Plans and Building Layouts.
J-Box Wiring in INtools, and preparation of wiring reports and INtools database input and updates.
Trouble shooting & Interconnection diagrams in Intools.
Update Piping and Instrumentation Diagram(P&ID).
Perform CAD Drafting for Instrument Wiring, Instrument Location Plan, Loop Diagrams and Fieldbus Module Wiring.

Project Name: CONOCO PHILLIPS –BOHAI BAY PHASE II PROJECT
Client Company Name: CONOCO PHILLIPS CHINA INC.
Project Location: BOHAI BAY, CHINA
Date: October 03, 2005 – September 01, 2006

Control System Design Engineer

Develops updates and verify the quality of instrument model on the area of scope.
Reflects interference report comments into the PDS model.
Reflects model review comments into PDS model.
Generates status reports for PDS modeled instrument.
Extracts 2D drawing from 3D PDS model prior to generation of drawing layout.
Develops plan drawings and layouts.
Assigns Installation detail to field instruments.
Preparation of support drawings like instrument mounted on grating, instrument pipe stand support on concrete pad and support drawings for cable trays and tube trays.
Performs Internal Model Review of Control Systems Model.
Performs inter-discipline coordination related to assigned area of responsibility.
Identifies and documents lessons learned that will be encountered during the project duration.
Performs AutoCad works of assigned deliverable for Instrument Wiring, Instrument Location Plan, Loop Diagrams and Fieldbus Module Wiring in INtools provided by the home office.

HYUNDAI ENGINEERING AND CONSTRUCTION LTD. /SEJONG CORPORATION

Project Name: Western Libya Gas- NC41 Mellitah Plant.
Consortium: Hyundai, Snamprogetti, Lummus Gas Ltd. Ad ABB Malta.
Client: Agip Gas BV- Libyan Branch
Project Location: Libya Socialist Republic
May 17, 2004 - May 17, 2005

Instrument Technician / Instrument Quality Control Engineer

Record all inspections, examinations and test required on the contractual documents.
Ensure each inspection, examination and test has the following complete standard of test code, type of test and examination to be performed place and area, utilized equipment, date and time to be performed.
Organize issues of report in test and inspection for proper record.
Submit report for inspection for the approval of the client and other inspector with their signature and provide copy of necessary documents needed for inspection and test.
Ensure forms to be used in preparation of the test and inspections and submit result in appropriate value and information.
Control, organize and file all documents and drawings received and issued and provide to the supervisor all needed equipment design and specification.
Perform loop checking and installation, calibration, testing of process control equipment and inspection.
Develops, updates and verify the quality of instrument model as built and revision.
Preparation of basic drawings for tender purpose.

CAGAYAN CORN PRODUCTS

Cagayan de Oro City, Philippines
From: June 4, 2002 to November 11, 2002

Instrument Technician

Perform and provide calibrations, repair, installation, troubleshoot, loop checks and documentation of instruments and process control systems.
Perform of pneumatic, mechanical, and electronic instrumentation. Interpret process control loops and process control systems, including those that are computer based and update loop sheets, electrical schematics, P&ID's, I/O wiring, and panel drawings.
Hands on experience, in such specialized subjects as theory of control, analog and/or digital electronics, microprocessors, and the operation and maintenance of field instrument.

NESTLÉ PHILIPPINES

Cagayan de Oro City, Philippines
From: December 17, 2001 to May 20, 2002

Instrument Technician

Perform loop checking and installation, testing of process control equipment and inspection. Calibrates, maintains, repairs, and troubleshoots instrumentation and equipment for milk manufacturing production to ensure conformance to established process standards and automation. Assembly, configure and testing of mechanical systems and instrumentation, report of results, and following appropriate process procedures.
Preparation of Junction Box termination, Loop schematic drawings, Marshalling termination drawings.

MARANAW CANNING CORPORATION

General Santos City, Philippines
April 13, 1998 to June 14, 2000
Retort Operator II

Program of required process variable input into microprocessor controller essential for the company standard and customer requisite in thermal processing.
Ensure products have undergone adequate thermal processing and complete sterilization.
Ensure compliance to standard operating procedure on retorting operation, and adherence to quality standard.
Monitor calibration and instrumentation of pneumatic and electronic equipments for accuracy report. Monitor proper handling of products during transport.
Maintain and troubleshoots equipments to ensure good working condition in thermal processing. Make report of the obtain production and handles deviation encountered on retorting process.

INDUSTRY EXPERIENCE	COMPANY
Oil, Gas, Petroleum	HYUNDAI ENGINEERING AND CONSTRUCTION LTD. /SEJONG CORPORATION FLUOR DANIEL, INC – PHILS. EXXONMOBIL PTE. LTD.
Maintenance	NESTLÉ PHILIPPINES, INC. CAGAYAN CORN PRODUCTS MARANAW CANNING CORPORATION
FUNCTIONAL AREA	
Engineering and Design	FLUOR DANIEL, INC – PHILS. / EXXONMOBIL PTE. LTD. ROYAL HASKONING DORDTSE ENGINEERING
Construction, Commissioning	HYUNDAI ENGINEERING AND CONSTRUCTION LTD. /SEJONG CORPORATION

TRAININGS

- Intools
- SmartPlant Instrumentation
- AutoCAD 2000 Training Course
- Basic Skills Training for Retort Operators
- PDS Modeling
- Luxicon
- Smart Plant Review
- Calibration for Process Instrumentation
- Microstation

PERSONAL DETAILS

Nationality: Filipino
Date of Birth: March 31, 1977
Passport No: UU 070955
Health: Excellent health condition.
Status: Married

PROFESSIONAL ASSOCIATIONS

Member: Philippine Instrumentation and Control Society- PICS
Member: Instrument Society of America-ISA