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## **RAMIERSON VALLE LUCI**

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### **Summary**

- 13 years of overall working experience in the broad field of Instrumentation and Control as a Supervisor/technician handling maintenance works and different E&I projects.
- Currently working as BMS-DDC/Control technician for Aramco-Wasit Gas Plant handling HVAC/Electrical control system maintenance and services.
- Have a 3-years course Diploma in Instrumentation and Control Technology and currently pursuing a studies towards a bachelor's degree in Computer Engineering.
- Dedicated, self-motivated with extensive analytical and critical thinking, exceptional troubleshooting skill and well-versed in different Instrumentation and Electrical control systems.
- Hardworking, willing and still learning, open for opportunities and new challenges.

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### **Work Experience**

#### **Direct Digital Control (DDC) TECHNICIAN**

PROJECT : **SAUDI ARAMCO – (NAGO) HVAC MAINTENANCE PROJECT**  
Wasit Gas Plant - Jubail KSA

Company : **Arabian Fal Company** (Formerly Arabian Fal Holdings)  
P.O. Box 88, Ras Tanura-31941, Kingdom of Saudi Arabia  
**January 2020 – Present**

#### **Job Description:**

- Conduct Preventive/Corrective maintenance of DDC, PLC, Motor/Electrical controls and ACCU panels for HVAC control system.
  - Check/Repair/Troubleshoot breakdowns and malfunctions in the control system.
  - Diagnose/Repair/Replace defective electrical/electronic/mechanical components in the system (e.g. valves/solenoid valve, dumper and actuator, VAV/CAV, thermostat/electronic thermostat, VFD, differential pressure switches, limit switches, Humidifier unit etc.).
  - Servicing of DDC/HVAC control panel, Motor/Electrical Control Panel, ACCU and all components in the control system.
  - Conduct measurement and testing of all electrical components (e.g. Compressor, Heaters, Breakers, Contactors, etc.) to validate its good working condition.
  - Conduct some control/wirings modifications to resolve and adapt an immediate unanticipated situations.

- Perform Preventive/Corrective maintenance of different types A/C units e.g. DX HVAC, Package Unit, window, split , central, cassette, FCU, free standing unit etc.
  - Check/Clean/Replace all installed filters.
  - Inspect/Repair/Replace all mechanical parts for wear and damage e.g. (bearing, pulley, shaft, motor/base, blower wheel, belt etc.)
  - Inspect/Clean indoor coil and condensate drain.
  - Check/Clean condenser fan and coil.
  - Check/monitor refrigerant pressures and recharge if necessary.
  - Check/Inspects of safety devices condition e.g. ( High/Low pressure switch, fan cycle switch, crankcase heater, Motor saver etc.)
  - Check/Monitor Indoor fan motor, condenser fan motor and compressor voltage and amperage operating condition.
- Built a complete HVAC control simulation panel for training purposes.
  - YouTube video link - <https://youtu.be/5p3LOkrbEzc>

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## **INSTRUMENT TECHNICIAN**

PROJECT : **SAUDI ARAMCO MAINTENANCE PROJECT**  
(AUD) – Aramco Utilities Division Southern Area Abqaiq KSA  
Company : **Arabian Fal Company** (Formerly Arabian Fal Holdings)  
P.O. Box 88, Ras Tanura-31941, Kingdom of Saudi Arabia  
**May 24,2017 – June 30,2019**

### **Job Description:**

- Perform annual Turnaround & Inspection of A/C Plant cooling tower System Instrumentation, Electrical and Mechanical equipment.
  - Check/Repair/Calibrate of Pressure and Temperature Gauges.
  - Check/Repair/Calibrate of Temperature, Pressure, Level, Flow and Vibration Switches.
  - Servicing of Electrical Panel, Motor Control Panel, Local/Remote Panel and Marshalling boxes and terminal connections.
  - Servicing of Cooling tower system Fan Motor and Gearbox assembly.
  - Servicing of Condensed water Motor and pump assembly.
- Perform Preventive and Corrective maintenance works on Aramco Water well systems equipment.
  - Check/Repair and Calibrate Pressure, Temperature and Flow Switch and gauges.
  - Check/Repair and Calibrate Pressure, Temperature and Flow Transmitter.
  - Check/Repair of Motor Operated Valve (MOV) - Brand: ROTORK/LIMITORQUE
  - Check/Troubleshoot of PLC/SCADA System from Central Monitoring System, Communication Network, Remote Terminal Unit to Field Instruments.
- Perform Preventive and Corrective maintenance of Chlorine Controller/Analyzer System.
  - Check/Repair of Dosing pump/motor, Electrical/Control panel, Gauges, Piping/tubing's and accessories.
  - Check/Repair/Calibrate of Chlorine Analyzer sensors. (CL2 & PH Sensor)

- Perform Preventive and Corrective maintenance works at Southern Area Laboratories Division.
    - Check/Repair/Calibration of Fume hood “SureFlow” Face velocity controller, sensor and actuator.
    - Check/Repair of Fume hood system Exhaust fan, motor and Electrical/control panel.
    - PM/Servicing of chilled water pump/motor, Air compressor and Electrical/control panels.
  
  - Perform Preventive and Corrective maintenance works of Sewage Lift Station equipments.
    - Check/Repair of submersible pump/motor, level/float switches and electrical control panel.
  
  - Perform Preventive and Corrective maintenance works of Valve Box equipment's.
    - Servicing/Check/Repair of Manual valves, Pressure Reducing valves and Pressure gauges.
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### **INSTRUMENT SUPERVISOR** (Project Based)

Client : **PILIPINAS SHELL PETROLEUM CORPORATION**  
Shell Tabangao Refinery, Tabango Batangas City Philippines

Company : **I&E Industrial System Services INC.**  
788 Takad, Libjo, Batangas City Philippines  
**Feb.2016 – Jan. 2017**

Project Name: **SHELL PSP4 PROJECT**

Description : Installation of six (6) new product pumps and integration to “Terminal Automation System” (TAS) and Product pumps “Safeguarding System” (SGS) for Top/Bottom Gantries loading System.

#### **Responsibilities:**

- Coordinate with the Project Manager/Engineer and Clients Representative for planning and scheduling of activities.
  - Prepare/outline the resources needed for every task and phase of the project.
  - Ensure and review all necessary documents (work permit/attachments, etc.) prior to start any work or activity.
  - Scheduling of manpower distribution for different activities.
  - Manage and monitor all aspects of the project's activity/progress and take appropriate action to meet project objectives.
  - Review and update drawings and documentations if a modification from the original plan is necessary.
  - Perform/Carry out critical and sensitive tasks for specialize activities.
  - Ensure that safe working practices are observed at all times.
  - Responsible for progress reporting.
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Project Name: **ETHANOL INDEPENDENT HIGH LEVEL ALARM PROJ. (IHLA)**

Description : Installation of Ethanol Tank Overfill System.

**Responsibilities:**

- Planning/preparation of work activities, manpower distribution, materials and equipment necessary for every task of the project.
- Secure work permits and other necessary documents for every activity on the project.
- Ensure the safety of all workers in every activity.
- Review as built plan and drawings for any addition, revision and updates.
- Take Lead/manage on all project's activity and work execution (erection of cable tray, cable laying/pulling, test and inspection, termination, installation of conduits, junction boxes, level switch/sensor, sounder/beacon light, UPS and Control system cabinet.
- Perform/Carry out functional testing and Project commissioning.
- Reporting and hand over.

Project Name: **SHELL TABANGAO 2<sup>ND</sup> BOTTOM LOADING PROJECT**

Description : Start-up, calibration and commissioning of 2<sup>nd</sup> Bottom loading Gantry, Smart Additive Injector system and Ethanol Blending system.

**Responsibilities:**

- Develop and implement work plans/schedule, instructions, procedures and review materials/equipment necessary for the activity.
- Manage manpower distribution for different task of scheduled activity
- Check and Review all Programming parameters settings of FMC Accuload III electronic Preset Controller, Honeywell/Enraf Smart Additive Injectors and Ethanol Blending System.
- Carry out Inspection, functional/diagnostic testing of Accuload III Electronic Preset Controller and all electrical/instrumentation equipment included in the whole metering/loading system. (e.g. TAS/PLC, Safeguarding System, Overfill Protection System, Product/Ethanol/AIS motor, Control Valves, Transmitters, solenoids, sensors etc.)
- Overseeing & monitoring the whole process of work execution, Progress/status, safe/unsafe acts/condition, resolving faults and malfunctions.

## **INSTRUMENT SUPERVISOR** (Metering Maintenance Specialist)

Client : **PANDACAN DEPOT SERVICES INC.** (PDSI)  
Caltex Admin Bldg. Jesus St, Bgy. 833, Zone 091 Pandacan, Manila, Philippines

Company : **I&E Industrial System Services INC.**  
788 Takad, Libjo, Batangas City Philippines  
**Oct.2009 – Aug. 2015**

### **Responsibilities:**

- Instrumentation & Control Team Leader and former Engineering (General Contractor) of PDSI (Pandacan Depot Services Inc.) who handles all the Major Preventive Maintenance works, engineering projects, emergent/repairs, calibrations and different instrumentation and electrical activities for the 3 Biggest Oil company in the Philippines. (SHELL, CHEVRON & PETRON).
- Planning, scheduling and implementation of Preventive Maintenance works including inspection / monitoring, servicing, repair and troubleshooting (if necessary), outsourcing, and calibration of different instrumentation equipment for terminal gantry Top and Bottom loading/metering system.
- Prepare and submit reports / certificates to the higher management and client's representative with regard about the results of calibration works, troubleshooting, repairs, findings and recommendations.
- Focal person and Project Supervisor/coordinator on some Major and small engineering projects inside the terminal.
- Design/modifications and implementation on some small engineering projects inside the terminal as per clients' requirements.
- Reviewing of instrumentation/electrical drawings such as instrumentation location and cable layout, installation hook ups, junction boxes, loop schemes & cable termination schedules.
- Perform Preventive Maintenance and Calibration on different process instruments installed at Shell Lube Oil/Grease Plant as per request by client.
- Assigned as a Project Instrument Supervisor on some Major and small projects handled on other Shell Depot/Terminal located on different locations/provinces in the Philippines.
- Travels on different Shell Depot/Terminal around the Philippines to perform various tasks (e.g. Check-up, servicing, calibration, troubleshooting and fault finding etc...) as per request of Depot/ Terminal Manager and Engineering Department.

### **Projects Handled:**

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|---|-------------------------|------|
| ● Loading and Ethanol Blending Project                            | Chevron Pandacan        | 2009 |
| ● Reactivation of Automatic Additive Injector System (Smart Mode) | Petron Pandacan         | 2010 |
| ● URM Blending Project  | Shell Poro La Union     | 2010 |
| ● Shell Gantry Optimization Project                               | Shell Pandacan          | 2011 |
| ● Tabangao Ethanol "No Flow" Project                              | Shell Tabangao          | 2011 |
| ● Product Meter Upgrade Project                                   | Shell Pasacao           | 2012 |
| ● Project "RIO"   | Shell Pandacan/Tabangao | 2012 |
| ● RON95 Project   | Shell Pandacan/Tabangao | 2012 |
| ● Shell Tabangao 1 <sup>st</sup> Bottom Loading Project           | Shell Tabangao          | 2012 |
| ● Shell Tabangao RTD Modification                                 | Shell Tabangao          | 2013 |

● FO + Project	Shell Buli	2013
● Tabangao Additional Safeguarding Project	Shell Tabangao	2014
● Shell Tabangao FO+ Automation Project	Shell Tabangao	2014
● Shell Tabangao V-Power Diesel AIS Project	Shell Tabangao	2014
● Shell Tabangao KERO/JET A1 Project	Shell Tabangao	2015
● Shell Tabangao SRFO Blending Project	Shell Tabangao	2015

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## **APPLICATION ENGINEER**

Company : **Wise-Man Automation & Control INC.**  
#715 St. Mary Street, Holy Family Village, Bagumbayan, Taguig City  
Philippines 1634  
**Aug. 2008 – Feb. 2009**

### **Responsibilities:**

- Sell Instruments for Industrial automation solutions, Including gauges, sensors, transmitters, Controllers, flow meter, Indicators, actuators and associated products.
  - Gives technical support/knowledge to the customer by evaluating and suggesting of products and service solutions in line with their needs and requirements.
  - Perform site/instrument evaluation, study, research, and preparation during/before project implementation.
  - Provide technical training on different product lines for an in-depth technical knowledge relating to their application and requirements.
  - Gives technical services/support performing check-up, troubleshooting, configuration, calibration and testing of instruments.
  - Do workshop activities like assembling of control panels, wiring, configuration and testing of different instruments.
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## **SERVICE TECHNICIAN**

Company : **EMICOR INC.**  
236 Roosevelt Ave. SFDM, Quezon City  
**May 2006 – July 2008**

### **Responsibilities:**

- Perform project start-up, commissioning, programming, troubleshooting, maintenance, calibration and testing of FMC Smith meter Electronic preset/batch controller, Flow meter, Electro-hydraulic control valve, Pumps and other Instruments used for the complete loop of Batching Control system for Oil/Gas plant depots and terminals.
  - Perform project start-up, commissioning, installation, troubleshooting, maintenance, calibration and testing of FMC Smith meter Mechanical preset/batch controller, pumps, set/stop valve and other instruments used for Mechanical Batching Control system for Oil/Gas plant Depots and terminals.
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- Perform project start-up, commissioning, configuration/programming, troubleshooting, maintenance, calibration and testing of Lubrizol/Enraf Programmable controller module ( PCM ) Additive injectors, pumps, solenoids and other instruments used for Oil/Gas plant depots and terminals petroleum products additive injector system.
- Perform project commissioning, configuration/programming calibration and testing of VAREC servo tank gauge for Oil/Gas Depots and terminals tank gauge system.
- Supervision / Checking of Electrical and wiring Installation for control used for the complete loop of Oil/Gas Metering Loading System.
- Determines Safety Maintenance, and inspection methods for oil/Gas work services.
- Diagnose Difficult Maintenance problems and recurring malfunctions.

**Clients:**

- |   |                                  |
|---|----------------------------------|
| ▪ Pandacan Depots Services Inc. (PDSI)  | - Oil / Gas Depots and Terminals |
| ▪ Pilipinas Shell Petroleum Corporation | - Oil / Gas Depots and Terminals |
| ▪ Chevron Philippines (Formerly Caltex) | -Oil / Gas Depots and Terminals  |
| ▪ Petron Corporation                    | - Oil / Gas Depots and Terminals |
| ▪ Total Philippines                     | - Oil / Gas Depots and Terminals |

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**Other Experience**

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**INSTRUMENT TECHNICIAN** (Student Trainee)

Company : **ASAHI GLASS PHILPIINES INC.**  
Pinagbuhatan Pasig City  
**JUNE 2005 – DEC, 2005**

- Assist on the following Plant maintenance works:
  - Regular (PM) Preventive maintenance, check-up/inspection, cleaning and testing of Plant Instrumentation tools and equipments.
  - Regular calibration of Plant Instrumentation equipments.
  - Emergent troubleshooting works.
- Follow all instructions being given by direct trainer/supervisor

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## Qualifications

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- Certified Saudi Aramco Work Permit Receiver (Validity : Aug.18,2021 – Aug.17,2023)
- Good communication skills
- Computer skill (software & hardware)
  - Basic computer programming
    - Software ( Microsoft Visual Studio, NetBeans and Arduino IDE )
    - HTML/CSS, C++ and Java
- Knowledge on DDC (Direct Digital Control) and HVAC controls e.g. (Sauter, Siemens, Honeywell Alerton and Carel PCO micro controller.
- Knowledge on Programmable Logic Controller (PLC), HMI/SCADA e.g. ( Siemens, LOGO, Omron , Schneider Electric, ABB Logic relays, Triconex, Allen Bradley and ARDUINO Boards)
- Knowledge on different Programming software (Siemens TIA portal, LOGO! Soft Comfort, CX -Programmer, RSLogix, i-TriLogi, OpenPLC, IDE for Arduino, PLC Ladder Simulator (for Android) & Accumate/Micromate Controller software etc.
- Be able to use different kinds of Measurement and Calibration/Test Instrument. (HART 375/475 Communicator, YHC 4150/5150, Beamex MC5, Druck DBC 150/650, Fluke, Omega etc.,
- Can interpret Electrical and Process & Instrumentation Diagrams (P&ID)
- Knowledgeable on pneumatics/electro-pneumatics, and hydraulics/electro-hydraulics
- Knowledge on Motor Control Circuits.
- Knowledge on Electronics Circuit analysis and can read and interpret Schematic Diagrams.
- Specialize on Oil Depot/Terminal Metering and Automation System (TAS) Operation and maintenance.
- Classified as “Class A” Electrician by Shell (Pilipinas Shell Petroleum Corp.)
- Expertise on Accuload Electronic Preset Controller, Automatic Additive injection and blending system.
- Creative, resourceful and flexible, able to adapt to changing priorities and maintain a positive attitude and strong work ethic.
- Good interpersonal skills and able to effectively interact with different people with diverse qualities and interests.

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## Educational Background

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### **Bachelor of Science in Computer Engineering**

AMA University Online Education (AMA OEd)

June 2020 - Present

Maximina St., Villa Arca Subdivision Project 8, Quezon City

### **Diploma in Instrumentation and Control Technology**

Rizal Technological University

March 2006 Graduate

Boni Ave, Mandaluyong City



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## Training/Seminars Attended

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- **Contractors Workforce Qualification Assurance Program (CWQAP) - Passer** December 13-16, 2020  
Al Hasa – Airport Road Building ABC 0101  
Kingdom of Saudi Arabia
  
- **Contractors Work Permit Receiver Prerequisite** December 22-29, 2019  
Human Assets Training  
Prince Sultan Road, Al Andalus, Al Khobar 76717  
Kingdom of Saudi Arabia
  
- **Front Line Leader – Supervising for Safety** September 26-27, 2014  
I&E Industrial Systems Services Inc.  
El Sitio Filipino Camping & Team Building Center  
Dumuclay East, Batangas City
  
- **Basic (PLC) Programming** October 20&27, 2013  
TENSHI Training Center  
B2 A2 L3 Reaville Subd. San Antonio  
San Pedro Laguna
  
- **Project Management for Contractor’s Proj. Supervisor** August 12, 2013  
Pilipinas Shell Petroleum Corporation  
2<sup>nd</sup> Floor Canteen Bldg. Pandacan Manila
  
- **Explosion Protection (Ex) Fundamentals** March 23, 2013  
I&E Industrial Systems Services Inc.  
I&E Instrumentation Training Center  
#788 Takad Libjo, Batangas City
  
- **Project Management Training** June 30 – July 01, 2012  
I&E Industrial Systems Services Inc.  
El Sitio Filipino Camping & Team Building Center  
Dumuclay East, Batangas City
  
- **Vapor Recovery Unit (VRU) Training** March 28, 2012  
Pilipinas Shell Petroleum Corporation  
2<sup>nd</sup> Floor Canteen Bldg. Pandacan Manila

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### Personal Information

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- Date of Birth : February 03, 1981
- Place of Birth : Taguig
- Citizenship : Filipino
- Gender : Male
- Civil Status : Married
- Height : 5'5"
- Weight : 141 lbs.

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### Character References

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- **Sagr F. Al-Rashidi**  
HVAC - Supervisor  
Saudi Aramco  
Wasit Gas Plant Dept. – Electrical and HVAC unit  
Mobile No. +966 542125751
  
- **Ahmad Imteyaz Imran**  
HVAC - Supervisor  
Arabian Fal Company (Formerly Arabian Fal Holdings)  
P.O. Box 88, Ras Tanura-31941, Kingdom of Saudi Arabia  
Mobile No. +966 573274321
  
- **Felix Bangalan Pacleb**  
Maintenance Head/Supervisor  
SRACO Company  
(AUD) – Aramco Utilities Division Southern Area Abqaiq KSA  
Mobile No. +966 502498427
  
- **Ernesto M. Cadiz**  
(Former) Project Realization & Execution Support Team Manager  
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I hereby certify that the above statements are true and correct to the best of my knowledge.



**RAMIERSON V. LUCI**