

# EDISON MARK I. PILOBELLO

Villa Mercedes Subdivision, Santa Rita Karsada, Batangas

Philippines 4200

Mobile No.: +63906 232 5828

E-mail address: [edison.pilobello@yahoo.com](mailto:edison.pilobello@yahoo.com)



## SKILLS AND QUALIFICATIONS

### ***Electrical and Instrumentation Skills:***

- Performing roughing-in, wiring and cabling works for single phase and 3 phase distribution, power lighting and auxiliary systems
- Excellent troubleshooting of Electrical and Instrument components
- Knowledge in maintenance, installation and repair of electrical equipment such as Circuit breakers, power transformers, Motors, Contactors, battery, etc.
- Knowledge on Calibration of various instruments (on field or bench) such as Valves, Gas Analyzers, Flow meters, Transmitters, Controllers, Indicators, Sensors, Weighing Scale, etc.
- Basic knowledge in Motor Control, PLC, Pneumatics, Electro-pneumatics and Hydraulics
- Basic Knowledge in the operation of DCS (Distributed Control System) Interface
- Read and understand Electrical and Instrument circuit configurations, diagrams and technical document such as Schematic, Ladder, Single line, P&ID, manuals, standards and codes
- Knowledge on using pneumatic, electrical and electronic testing device and precision measuring instruments
- Understanding of Fire Detection and Alarm Systems and CCTV
- Knowledgeable in the usage of Hand tools, Power Tools, Electrician tools and Calibrators

### ***Aviation Tank Farm Skills:***

- Have practical experience in the operation of bulk fuel distribution operation systems
- Knowledge on Jet Fuel quality control and procedures
- Excellent understanding of supply and distribution procedures associated with into-plane and tank farm operations
- Knowledge on aviation specialist vehicles

### ***Other Skills:***

- Working knowledge in Health, Safety and Environment laws as well as Permit to Work system, LOTO System, Job Safety Analysis, Risk Assessment, Confined Space System and Work at Heights
- Participates in the conduct of failure analysis to identify root causes of equipment failures, recommends and implements corrective measures
- Computer literacy (Microsoft Word, Microsoft Excel, and Microsoft PowerPoint )
- Good verbal, written communication and reading skills
- Dependable, reliable and resourceful
- Be able to work with minimum supervision

## WORKING EXPERIENCE

### Starlite Ferries Inc.

August 25, 2023 - Present

**Industry** : Marine Passenger and Transport Industry  
(Roll-On Roll-Off Vessel)

**Position** : Electrician



#### **Work Description:**

- Repair and maintenance of all electrical equipments on-board vessel (Engine Room, Deck, Car deck, Bridge etc) such as electrical generators, alternators, motors, contactors, breakers, lightings, audio-visual and communication equipments, radio and radar as well as navigation systems and fire alarm systems
- Cable layout and installation of new equipments on-board vessels such as lightings (220V, 110V and 24V), public addressing microphone and speakers, emergency generators, etc
- Check-up, inspection and repair of electrical equipments of on-shore base offices such as lightings, exhaust fans, switches, etc. as well as cable fixing and layout if needed
- Conducts insulation resistance measurement of electrical cables and motors for condition monitoring of equipments
- Reading and using ship electrical diagram to provide better troubleshooting on-board with the use of appropriate electrical testing devices
- Maintains well functioning electrical connections to minimize probability of accidents and to maximize useability of electrical in all vessels
- Conduct proper monitoring of heating and air conditioning systems of all vessels
- Termination of wiring for backup generators to shoreline connection during emergency
- Assist and backup in mechanical works on Main Engine and Auxillary Engine of all vessels such as overhauling of Engine, dismantling and re-installation of pistons, cylinder head, turbo charger, fuel injection pump, etc.

### Marine Power Industry Asia Pacific Corp. (MPIAPC)

June 06, 2022 to August 24, 2023

**Industry** : Technical Service Provider (Diesel Engine Power Plant)

**Position** : Electrical & Instrument Technician



#### **PROJECT INVOLVEMENT:**

#### **Republic Cement and Building Materials Inc. (RCBMI)**

June 06, 2022 - August 24, 2023

Plant Location: Taysan, Batangas

Project Description: Manpower supply for the execution of maintenance and operation of RCBMI's 2 Unite Diesel Engine Power Plant (Wartsila 18V32E) with a total of 11MW power production capacity.

#### **Work Description:**

- Executes corrective and preventive maintenance of electrical and instrumentation parts of all equipment and auxiliaries as per job order request and as per procedures
- Assists the contractor/s performing electrical and instrumentation works
- Attend to job orders as requested by the Supervisor
- Co-ordinate and execute LOTO and follow all specified safety and practices described in the Risk Assessment and Job Safety Analysis.
- Assists in the reconditioning and rehabilitation of electrical equipment and its components

- Troubleshooting and fault analysis of motor control circuits, motor power circuits, relay logics from low voltage to Medium voltage (24V DC/AC to 440VAC 3Phase)
- Fills out records and prepares reports upon completion of work. If required, Customer's report template shall be used
- Conducts routine inspection of electrical equipment including switchgears, power transformers, circuit breakers, motor control centers, lightings, electrical panels, etc. Reports the abnormality to all concerned personnel
- Checks and evaluates condition of electrical and instrumentation spare parts taken from equipment or auxiliaries
- Informs the Supervisor on the utilized electrical parts for updating in the parts inventory
- Regularly checks the condition of electrical tools and equipment and reports the status to the Supervisor who will prepare requests for repair, calibration or replacement
- Ensures cleanliness and orderliness in work area before, during and after work

### **Qatar Emiri Air Force (QEAF)**

*May 03, 2017 to October 30, 2020*

**Industry** : Aviation Gas Industry

**Position** : Fuel Systems Technician

#### **Work Description:**

- Performs repair and maintenance of Fuel Systems
- Receive/Dispatch Jet fuel via pipeline or Trucks as needed
- Have a basic knowledge of automated tank gauging systems, meters and high and low level alarms
- Conduct fuel sampling and testing for quality control
- Monitors and maintains aviation fuel in the tanks of fuel farms, pipelines and related equipment to ensure they remain in good working order to prevent spills, releases, overfills and product contamination
- Conduct daily preventive maintenance on piping, valves and pumps at fuel distribution and storage points
- Troubleshoots, inspects, repairs and maintains assigned fuel systems equipment
- Diagnose fuel system and component malfunction
- Perform replacement of filter/water separators on refuellers and on Pump station filters
- Removes, repairs, and replace malfunctioning components such as Pressure control valves (PCV), Fuel Hose, Nozzle etc.
- Identify and repair leaking gaskets as part of corrective maintenance program
- Inspection of fuel system repair activities
- Operates refuellers for conducting loading and unloading of aviation fuel
- Reports to supervisor for any technical problem on fuel systems repair and maintenance



### **Qatar Jet Fuel Company (QJet)**

*November 26, 2013 to November 26, 2015*

**Industry** : Aviation Gas Industry

**Position** : Quality Control Technician

#### **Work Description:**

- Perform Pressure Control Test on aviation vehicles by testing In-line pressure control valves (ILPCV) and hose-end pressure control valves (HEPCV) by engaging vehicles to operation and testing each valves to engineering limits.



- Perform Hydrant Pit Valve Static Test by means of Hydrant Pit Coupler Tester and checking for any sign of abnormalities and leakage on the Primary seals or pilot valves
- Perform Hydrant Pit Valve Dynamic Test by engaging the hydrant pit valve to operation and thus checking and taking the closing time of each valve by means of air removal and by pilot valve isolation
- Perform Microbiological Growth test on vehicles and tanks by the use of microbial test kits to check for any sign of micro-organisms that can cause contamination on fuels such as yeast, molds, fungi, bacteria, etc.
- Perform Membrane Filtration Test for assessment of solid contaminations of aviation turbine fuels by means of Colorimetric and Gravimetric methods and the use of Sampling Kits such as SSAFCON and GAMMON kits.
- Conduct colorimetric result test by checking the dry and wet conditions of membranes used for each equipment thus comparing membrane color to a standard reference form
- Perform Hydrant Low Point Drain (LPD) Valve check by means of flushing the valve using hydrant low point flushing equipment, Pit Flusher, and checking the fuel sample visually for any solid contaminations and checking for any water present by the use of Shell Water Detectors.
- Conduct visual checking of hydrant pit valves for any anomalies such as leaks, fuel present or any missing safety parts such as Dust caps, Pit Cover tethers, Product markings, etc.
- Checking of Safety Devices such as Emergency shutoff buttons for Fuel and Engines, interlocks and bypass buttons.
- Engaged to Scheduling and Maintenance (SAM) for scheduling and/or closing of finished activities given to Quality Control Section.
- Update of records for Quality Control and engaged in Audit whether internal, company or ISO audits.

## **Air Liquide Philippines Inc. (ALPI)**

March 23, 2010 to November 23, 2013

**Industry** : Liquid and Gas Industry (Oxygen, Nitrogen, Argon, CO<sub>2</sub>, H<sub>2</sub> and Medical Gases)

**Position** : Instrumentation and Control Technician

### ***Work Description:***

- Perform Predictive and Pro-active Maintenance by doing walk-by inspections and anomaly hunting, gathering data and comparing them to Engineering Limits, checking of temperature of instruments using tools such as Thermal Imager and Thermal guns, leak testing and at the same time reporting found deviations to Shift Supervisors and Area Owners to prevent and avoid bigger problems to occur.
- Perform Preventive Maintenance by means of Calibration of Various instruments as per Calibration Plan which includes Simulation of Valves, Simulation of Transmitters for Level, Flow, Pressure and Temperature, Simulation of Flow meters, Checking of Gauges/indicators with the use of special tools.
- Perform Corrective Maintenance by identification, rectification or isolation of faults and errors so that failed equipment and instruments can be restored to operational condition within the limits established in operations
- Conduct loop checking, trouble shooting & line tracings which involve using diagrams such as P&IDs (Piping and Instrument Diagrams), PFDs (Process Flow Diagrams), Electrical Diagrams and Logic Diagrams.
- Comply with all company Health, Safety and Environment as well as Work Permit, policies and procedures.
- Input data into the MAXIMO maintenance system, such as work order activities, materials and spares, failure reports and manpower statistics.



- Perform regular calibration and maintenance of safety instruments such as portables detectors for oxygen and CO2 and fixed gas monitoring equipment such as H2 Monitors, Hydrocarbon Monitors and Smoke and Heat Detectors.
- Participate in Root Cause Analysis for prevention of re-occurrence of troubles and corrective maintenance to have a better result in reliability incidents reports.
- Perform replenishment of electrical components and other instrument equipment and monitoring of spare parts for plants such as element important for safety (EIS) equipment, e-cards etc.
- Installation of Instruments as requirement for replacement, new installations and upgrade of the system
- Review and updating of work instructions, forms and other procedures.
- Engage in Commissioning of new installed plants on-site and in main plant

## Pilipinas Shell Petroleum Corp. (PSPC)



November 2008 - March 2009

**Industry** : Oil/Gas Refinery

**Position** : Instrument & Electrical On-the-Job trainee (OJT)

### **Work Description:**

- Assist on calibration of various instruments such as Gauges for pressure and temperature, Flow transmitters, Level Transmitters, Pressure Transmitters, Control Valves, etc.
- Participate on Preventive Maintenance of instruments as requirement of the process
- Loop Checking, Trouble shooting and repair of various instruments
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## EDUCATIONAL BACKGROUND

**University** : Batangas State University (National Engineering University)  
**Major** : *BS Instrumentation and Control Engineering*  
**Graduated** : June 2004 - July 2009  
**Address** : Golden Country Homes, Alangilan Campus, Batangas City

## TRAININGS & SEMINARS ATTENDED

### **Concept Institute for Career Enhancement Inc.**

*Course Taken: Electrical Installation and Maintenance NC II*

Balagtas, Batangas

22 December 2021 - February 04, 2022

### **Metal Industry Research and Development Center**

*Course Taken: Instrumentation and Control Servicing NC II*

MIRDC Compound, Gen. Santos Ave. Bicutan, Taguig City

September 2009 - October 2009

### **TESDA – RTC CALABARZON Region IV-A**

*Course Taken: Mechatronics Servicing NC II*

Batangas City

June 2009 – July 2009

**TESDA-RTC CALABARZON**

*Course Taken: Industrial Automation PLC Based System*

P. Herrera Street, Batangas City

August 15, 2008

**I & E Industrial Systems Services**

*Course Taken: Fundamentals of Calibration*

Tacad Libjo, Batangas City

August 8 & 11 2008

*I hereby certify that the above information is true and correct to the best of my knowledge and ability.*

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