



Eduardo Arsenal

Dubai, UAE

edwards_rage@yahoo.com

+971 58 930 1985

Render my duties and responsibility for improvement of the organization.

Holder of UAE Driving License

Willing to relocate

Work Experience

Electrical Technician O & M

Energize O&M (Masdar STS & EDF Joint Venture) - Dubai, UAE

August 2021 to Present

- Working in Mohammed Bin Rashid Solar Park Phase III 800 MW, Solar Photovoltaic Power Plant.
- Practical experience and knowledge of Solar PV power plant environment electrical equipment to include Power Transformer, Gas Insulated Bus (GIB), switchgear (SWGR), protective relays, Tracker electrical motors, uninterrupted power supply (UPS), Remote Medium Voltage Unit (GIS), Power Inverter, DC arrays, PV robot cleaner, Motor-Operated Valves (MOVs), Diesel generator set, crane and lighting, etc.to confirm appropriate function.
- Experience and knowledge of Schneider Electric Inverter with training certified for equipment operation and maintenance.
- Ensure all job tasks are performed in a timely manner and with quality to achieve operational readiness and to operate with the highest level of safety and reliability.
- Perform planned and corrective electrical maintenance activities and surveillances in accordance with the relevant procedures and processes on electrical plant systems and components to ensure appropriate functioning.
- Perform proper and timely preparation and staging of maintenance work activities which includes the procurement submission of requests for equipment spare parts and special tools to ensure electrical maintenance activities are properly resourced.
- Attend pre- and post-job briefings and oversee maintenance teams performing tasks to ensure alignment with the maintenance standards and procedures.
- Documentation of equipment history reports following maintenance on systems, structures and components to maintain an accurate history record.
- Conduct periodically and surveillance inspection tests to confirm efficient plant electrical system performance or identify deficiencies.
- Update the equipment and material master data within the material management system to ensure accuracy of equipment and material specifications in the plant with those in the warehouse.
- Comply with Maintenance Code of Conduct procedures and guidelines to ensure the safety and reliability of the plant.
- Perform troubleshooting processes on the electrical systems and components to ensure issues are resolved correctly and in a timely manner.

Electrical Technician O & M

GRS, Acciona, Ghella (joint venture) - Dubai, UAE

June 2019 to August 2021

- Working in Mohammed Bin Rashid Solar Park Phase III 800 MW, Photovoltaic Solar Power Plant.
- Record the completion of maintenance activities and any relevant maintenance findings on the computerized maintenance management system.
- Conduct a range of maintenance activities to the highest standard and in full adherence to the maintenance and safety procedures and processes.
- Carry out operation & maintenance of the Inverter 4MW, HV & MV transformer 116MVA 33/132KV, 2 & 4MVA 550/33KV, RMU/RMS 33KV, SF6 & Air Circuit Breaker Switchgear's, Capacitor Banking, 2000 VDC recombined array boxes.
- Carry out of replacement of PV module panel, VFD, Mechanical linear actuator, Mechanical structures of PV railings, DC array cable, piercing and strings connections and other components in the plant.
- Carry out collecting data from Geonica Weather Station, PV IR Curve, Inverter log events and upload the sequence program control in robot cleaner.
- Premium Service Training in Schneider Electric Conext SmartGen Inverter Operation & maintenance and interfacing using Conext viewer software.
- Knowledgeable in tracker system PV solar plant design.
- Working with commissioning team to check, test point to point, energization, reliability test of the plant.
- Certificate training holder of Operation & Maintenance in the equipments of the plant with well knows brands.

Electrical Technician O & M

Mr. Odd Job Technical Services LLC - Dubai, UAE

October 2017 to April 2019

- Assemble, test and maintain the equipment in power system such as circuit breakers, Transformer, Generator, UPS, and Electric motors in residential, commercial and industrial.
 - Conduct Inspections in Electrical system, equipment, and components to identify hazards, defects, and need for rectification or repair to ensure comply with the standard codes.
 - Diagnose the faulty in power system, equipment, apparatus, and other components using test equipment such as Insulation tester, earth tester, hi pot tester, current injection tester, and protective relay tester.
 - Provide estimates for materials and timeline prior to beginning work.
 - Perform routine preventive and corrective maintenance on various systems as requested.
- Follow specifications on blueprints/diagrams/technical drawings for installations.
- Interact with customers in a professional and courteous manner.

Electrical Technician O & M

Operator Qatar L.L.C - Doha, Qatar

May 2015 to February 2017

- To Maintain the Power Supply Distribution to working ranging 440V and 13.8 kV.
- Perform Preventive Maintenance.
- Medium Voltage/ High Voltage Transformer Inspections in Cooling system, Bushing, Cable terminal, Break-down voltage test, Insulation Resistance and Polarization Index test.
- High Voltage and Low Voltage Motor Inspection and clean, Link/ Cable, disconnection and Reconnection switch, Terminal box, Oil/ Grease replacement.

- Air/ Vacuum Circuit Breaker Inspection and cleaning, Dielectric test on Auxiliary circuit and control unit, Bolt tightness test, Mechanical operation test.
- Capacitor bank Inspection and cleaning, replacement of faulty capacitor, connection links, electronic boards.
- UPS Inspection and cleaning of components inside including Static by-pass switch, Rectifier, Battery and charger, Inverter, fans, filters and Electronic cards.
- Lightning arresters and Earthing systems, Medium and Low Voltage Cables, Bus riser, Lighting Controllers, VFD and VSD.
- Preferable to conduct testing using different types of testing instruments such as : primary current injection 800 amps, secondary current injections for protective relays, lightning and earth test, Hi - pot and insulation test, dielectric oil test, power meters test, thermographic tests.
- Knowledgeable in computerized technology system such SCADA and BMS to accurately monitor system breaker controls, status, generator, main tie line, metering, voltages, amperes, wattages, vars and rapid response during a system failures.
- Strictly adhering to electrical safety, manuals, code, power tools, diagrams and other stipulations by utilizing hand tools, power tool.
- Carry out cable termination, Jointing & Splicing of High Voltage Cable and Familiar to use Raychem, LS vina, and Elastimold splicing kit (4.1 kV to 13.8 kV) Type of Cable (XLPE/EPR/PVC).

High Voltage Electrician O & M

Safari Company Ltd. - Dammam, Kingdom of Saudi Arabia

August 2008 to October 2014

- To Maintain Power Supply Distribution to King Fahd International Airport 380V, 4.16KV, 13.8KV, 34.5KV & 69KV.
- Range of electrical equipment include motor ratings up to 2500 HP 4.16 kV induction motors; 5500 HP 13.8 kV synchronous motor; various power transformers 69 /13.8 kV 11/18MVA, including 5 Industrial Centrifugal Chiller units @5,000 tons (York & Carrier), Heating Ventilation and Air Conditioning (HVAC).
- Performing the work in Protection Relay with knowledge in the Electrical Standards, methods, practices, tools and materials of the repairs and maintenance of electrical power system protection schemes and equipment under the General Supervisor of the Protection Engineer.
- Carry out testing, maintaining and calibration in all analog and digital types of protective relays and electrical instruments such as; Differential Relay, Over Current Relay, Phase Over Current Relay, Under Voltage and Over Voltage Relay, Reverse Phase Voltage Relay, Unbalance Voltage Relay, Voltmeter, Ammeter, Kilowatt hour meter, and other protection devices.
- Assists Protection Engineer by conducting detailed independent research of emerging technologies as applied to electric systems protection.
- To maintain accuracy of tap setting of timer relays, adjust voltage from regulator controls, capacitor bank controls, power transformer tap changer and temperature controls.
- Preferable to conduct calibration in protective relays and other electrical equipment's by using different instruments such as; GENERAL ELECTRIC (GE) Sverker760 1Ph 200A c/w phase shift, T & R Test Equipment 50A – 3Ph Three – Phase Current Injection System, T & R Test Equipment 30 – 100KV High Voltage AC Test System, Asea Brown Boveri (ABB) SACE TS1 Test Set for S1- AR1- S2- S2/MM-PR1/P O/C Release, AVO International / Multi – Amp High Current Test Set Model MS-2, MEGGER OTS60PB Portable Oil Test Set, BIDDLE “Thumper” Impulse Generator / Cable Test System Model (651028), BIDDLE 220070 High Voltage DC Dielectric Test Sets, BIDDLE 656601 Cable Route Tracer/ Power Cable Locator, BIDDLE Detex Voltage Detector 2.4 – 36KV, PROGRESSIVE ELECTRONICS Model 501 Tracker II Underground Cable Locator System, MEGGER Earth Tester (Null Balance), SKF TKTI 10 Thermal Imager, Programma CSU 20A 230V, G.E TVRMS2 Digital Test Kit, EA Technology Ultra TEV Plus+ Locator (PD).

- Moderate knowledge by using computerized technology to accurately monitor system breaker controls, status, generator synchronous, main tie line, metering, voltages, amperes, wattages, vars and rapid response during a system failures.
- To Performed Preventive and Corrective Maintenance of All Electrical Equipment, Transformer, Switchgear, LV & HV, Vacuum Circuit Breaker (36 KV), Fuji Vacuum Circuit Breaker (13.8 KV), Siemens Vacuum Circuit breaker (36 KV) 1250 Ampere, ABB Transformer Dry Type, Westinghouse Transformer, G.E. Air Circuit Breaker Switchgear (380V), ABB Sace Air Circuit Breaker Switchgear
- Carry out cable termination, Jointing & Splicing of High Voltage Cable and Familiar to use Raychem, LS vina, 3M, and Elastimold splicing kit (4.1KV to 34.5 KV) Type of Cable (XLPE/EPR/PVC).

Education

Diploma in Industrial Electrical Meralco Foundation Institute - Philippines October 2006 to December 2006

Diploma in Electrical Technology
Eulogio "Amang" Rodriguez Institute of Technology - Philippines
April 2003 to May 2005

Skills

- Power system, Electrical Trouble shooting, Hot and Cold Cable Splicing, Calibration of Analog and Digital ProtectionRelay.

Certifications and Licenses

Operation & maintenance of Earthing Transformer
July 2019
Conducted by Eurogulf Transformer, Dubai UAE

Site Training of 132KV Gas Insulated Switchgear
June 2019
Conducted by Siemens, Dubai UAE

Tapcon 260 Automatic Voltage Regulators
June 2019
Conducted by Reinhausen Middle east, Dubai UAE

Operation & maintenance of Substation Automation & Cybersecurity
July 2019
Conducted by ABB , Dubai UAE

Operation & Maintenance of Trackers System
July 2019
Conducted by PV Hardware, Dubai UAE.

Operation, Preventive Maintenance, and Commissioning of MV Filters and Capacitor Banks
July 2019
Conducted by Artech, Dubai UAE

Operation & Maintenance of DC UPS System & associated of Ni-Ca Batteries
July 2019
Conducted by Straton, Dubai UAE

Conext SmartGen Premium Service Training of Inverter
July 2019
Conducted by Schneider Electric, Montbonnot, France

Programming Procedure of Programmable Logic Controllers (Level 2/ Testing and Operating an Automatic / Manual Transfer Switch
May 2012
Conducted by : IIEE - ERCSA, Al-Khobar, Kingdom of Saudi Arabia

Power System Protection & Coordination Part 1, 2 & 3
April 2012
Conducted by : IIEE - ERCSA, Al-Khobar, Kingdom of Saudi Arabia

Programmable Logic Controllers (Level 1 / Assembling, Wiring, Testing and Operating an Automatic / Manual Transfer Switch
April 2012
Conducted by : IIEE - ERCSA, Al-Khobar, Kingdom of Saudi Arabia

Programmable Logic Controllers / Automatic Transfer Switches
March 2012
Conducted by : IIEE - ERCSA, Al-Khobar, Kingdom of Saudi Arabia

Industrial Motor Controllers Part 1 & 2
March 2012
Conducted by : IIEE - ERCSA, Al-Khobar, Kingdom of Saudi Arabia

Motor Servicing and Motor
February 2012
Conducted by : IIEE - ERCSA, Al-Khobar, Kingdom of Saudi Arabia

