



Engr. Aldrin H. Madrid, REE, RME

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LICENSURE:

Board of Electrical Engineering

Registered Electrical Engineer (REE)

License no. 0073066

Board of Electrical Engineering

Registered Master Electrician (RME)

License no. 0050702



Work Experience

2020-03 –
Present

Electrical Engineer

ZoxCell Limited DMCC, DUBAI

- Pre-technical support engineer
- Calculates client quotations.
- Provides pre-technical assistance.
- Works closely with the business development team to create and manage the technical strategy for opportunities in support of revenue goal.

2019-07 –
2020-01

Electrical Engineer

Sunertech Corporation, **Philippines**

- Design and drawing of circuit diagram related to client's technical data sheet and requirements.
- Design and drawing of protection and control panel.
- Calculates client quotations.
- Provides pre-technical assistance.
- Works closely with the business development team to create and manage the technical strategy for opportunities in support of revenue goal.
- Manages and interprets customer requirements – listens to clients and uses analytical questioning to understand, anticipate and exceed their needs.
- Conduct technical presentations, product demonstrations and written or verbal communication



Skills

- **AutoCad**
- **SCADA integration**
- **Facility Management**
- **Testing and Commissioning of Substation**
- **Monitoring and control thru master station**
- **Wiring and testing of panel**
- **Design of electrical panel**
- **Project coordination**
- **Effective communication**
- **Budget estimation & Sales**
- **Inventory Control**
- **Contract Management**
- **Negotiating & Expediting**
- **Quality Control**

2009-04 –
2019-07

Electrical Engineer / SCADA Specialist (10 years)

Manila Electric Railway and Light Company (MERALCO)

- Testing and commissioning of new substation (61850 and conventional)
- Wiring and testing of protection and control panel.
- Conduct FAT and SAT of SCADA HMI and devices.
- ELV engineer in maintenance of cctv and fire fighting.
- Assist field crew and monitor the whole franchise area of MERALCO through SCADA Master Station/Control Center.
- Reading and interpreting all substation related electrical drawings, utilizing hand tools and test equipment using required PPE to perform work.
- Extensive experience in facilities management specifically electrical construction, design, and installation of machines, including maintenance and troubleshooting.
- Extensive experience on safety and power line works.
- Experience in Power management specifically in distribution and Sub Transmission lines as a System Operations monitoring and control.
- Highly experienced in testing and commissioning of new substations.
- Migration and upgrade of all MERALCO sub-transmission equipment.
- Software configuration using configPRO of D20 processor.
- Configuration and troubleshooting of remote controlled line switch/recloser (RCLS,RCLR)
- ISO custodian in filing of all work related troubles and ensuring all trouble report are updated and properly compiled.



Software

- **Microsoft Office**
- **Microsoft Excel**
- **Config Pro**
- **AutoCAD**



Language

- **English**



Projects Executed

COMMISSIONING OF NEW SUBSTATION 61850 (VALENCIA S/S)

December 2014

Project description: Testing and commissioning of new substation.

Job performed: Monitor events and alarms during testing. Test control of all breaker and disconnect switch through SCADA Master station/Control Center. Commissioning of Bank and feeders.

REMOTE CONTROLLED LINE RECLOSER (RCLR)

2015-2018

Project description: Conversion of Remote Controlled Line Switch (RCLS) to Remote Controlled Line Recloser (RCLR)

Job performed: Assist field crew in testing. Commissioning and control of RCLR through SCADA control center/Master station, verify alarms and indication.

COMMISSIONING OF ON-LOAD TAP CHANGER (OLTC) TAPCON

2010-2018

Project description: Installation of OLTC to various substations using conventional and TAPCON

Job performed: Configuration, testing and commissioning of OLTC. Testing and commissioning of OLTC through SCADA master station.

COMMISSIONING OF SUBSTATION INTEGRATING PLATFORM (SIP)

2012-2015

Project description: Communicate all substation relay and IED to send data to SCADA Master station.

Job performed: Wiring, testing and commissioning of SIP. Monitor events and alarms through Master station.

MIGRATION NEW TERESA SUBSTATION

July 2009

Project description: Migration of New Teresa Substation to D20 processor.

Job performed: wiring, testing and commissioning



Education

2014-06 - 2016-04 **Bachelor of Science in Electrical Engineering**

2006-06 - 2009-04 **Bachelor of Technology in Electrical Engineering Technology**

PERSONAL INFORMATION:

Age : 30

Date of Birth : February 23, 1990

Civil Status : Single

Gender : Male

Citizenship : Filipino