

104204-ELE-12456GLMQTyz-E-2002

Projects Management of OHTL Transmission Line / OPGW

Holds a B. Sc. in Electrical Power Engineering and has over 20 years experience working in testing and commissioning of transformers up to 500 MVA, QA/QC, maintenance and OHTL.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/05/1977
Gender : Male

EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University, 2002

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Google Project Management (Apr. 2023).
- : Pricing Concepts & Techniques (Aug. 2022).
- : Engineering Education in Digital Transformation (Jul. 2020).
- : Safety Management for Engineers (Jul. 2020).
- : Lean Six Sigma Methodology (Jul. 2020).
- : Power Transformer Testing and Maintenance (TR) (Aug. 2005).
- : Gas Insulated Switchgear (G.I.S) (Dec. 2005).
- : Dissolved Gases in Transformers Oil (TFGA-P200) (Mar. 2006).
- : Power Transformer Testing and Maintenance (Mar. 2007).
- : Programming by C language (Aug. 2001).
- : ICDL (from Apr. till Aug. 2006).
- : American Language Course (12 levels) (from Apr. till Jun. 2005).
- : Sr. Lecturer Sessions.
- : Foundations of Project Management, Coursera.
- : Project Planning, Coursera.
- : Master of Business Administration, EGSM.

- : Safety Management for Engineers, EEA.
- : On-load tap-changers, ABB.
- : Partial discharges, Extra High Voltage Research Center.
- : High quality oil and grease, Petrol Co-operation Co.
- : The third annual workshop for developing and improving electric.
- : Transformer equipment.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2020 till now
Employer : Egyptian Electricity Transmission Company (E.E.T.C)
Job title : Projects Management of OHTL Transmission Line / OPGW

Dates : From Jun. 2008 till Sep. 2020
Employer : BEMCO Services Co.
Job title : Senior Engineer - T&C of Power Transformer

Dates : From Aug. 2003 till Jun. 2008
Employer : Egyptian Electricity Transmission Company (E.E.T.C)
Job title : Testing & Commissioning Engineer

Dates : From Jan. 2003 till Aug. 2003
Employer : Landmark Automotives Co.
Job title : Electrical & Maintenance Engineer

Dates : From Oct. 2002 till Jan. 2003
Employer : AL ROWAD Computer & Systems Co.
Job title : Instructor & Maintenance Engineer

Projects:

- In KSA:
 - Makkah First Ring Road Project (Nov. 2019 – Sep. 2020) (QA/QC Electrical Inspector).
 - CRS & FGRS - Qatif Abu Safah Central Producing Facility (Nov. 2018 – Nov. 2019) (Electrical Quality Inspection for Oil & Gas Projects).
 - Specialized Manpower Require for Servicing of Main/Step Up Transformers Installed at Various SEC-Western Sector (Contract No. 2088170/00) – RABIGH Power Plant (Feb. 2012) (Major inspection (mechanical works and electrical tests) for ABB GSU 400/13.8KV and 170MVA.
 - Power Plant No. 10 & PP10 Combined Cycle (Testing and Commissioning for GENERATOR STEP-UP Transformers HYUNDAI 225MVA-380/13.8/13.8KV, All Station Transformers, Neutral Grounding Resistor (NGR), Ring Main Unit (RMU).
 - PP9 Extension & Reinforcement (Block C & D) (Testing and

- Commissioning for GENERATOR STEP-UP TRANSFORMER HYUNDAI 500 MVA, 380/132/33KV).
- KSAU for Health Sciences, Riyadh – Testing and commissioning for:
 - ❖ ABB Auxiliary Transformers 13.8/0.4KV-2000KVA, ..., 500KVA.
 - ❖ THE SAUDI TRANSFORMERS CO., LTD. 13.8/0.4KV-2000KVA,, 160KVA.
 - ❖ Ring Main Unit (RMU).
 - Technical Services for Transformers & Medium Voltage Cable at COA Power Plant (Contract No. 10722118/00) (Sep. 2008 – Dec. 2009) – Testing and maintenance for:
 - ❖ PP3 - Transformers BROWN BOVERI (22.5MVA 35.35KV/13.8KV) and Trafo-Union (20MVA 33KV 14.8KV).
 - ❖ PP4 - Transformers BBC secheron (34MVA 33KV/13.8KV), PAUWELS (42MVA 34.4KV/13.8KV) and PAUWELS (79MVA 33KV/13.8KV).
 - ❖ PP7 - Transformers GE (125MVA 132KV/2*13.1KV) and PAUWELS (125MVA 132KV/2x13.1KV).
 - RABIGH Power Plant – Testing and Commissioning for MITSUBISHI Transformer (380/13.8/13.8KV, 156MVA) and AREVA Transformer (380/13.8/13.8KV, 200MVA).
 - Station 7722, Al-Kharj – Testing of AREVA XFMR TAG: T11 and T12.
 - Station 8005, Riyadh – Testing of Current Transformers at Gantry and in GIS Switchgear.
 - 33/13.8KV Mobile Substation, Shaqra & El-Kharj – Testing and Commissioning for Mobile Substation Transformer-oil Filled 33/13.8KV, 20MVA.
 - SF6 - Insulated Surge Arrester & End of Cable, PP10 & Substation 9023 – Gas filling and testing.
 - S/S No.: 8831 132/13.8/7.9KV, Buraydah-Qassim – Testing and commissioning for:
 - ❖ GSU Transformers 60 MVA, 132/13.8/7.9KV.
 - ❖ Auxiliary Transformers 0.5MVA, 13.8/0.231KV.
 - ❖ Neutral Grounding Resistor NGR.
 - ❖ Ring Main Unit RMU.
 - ❖ Surge Arrestors.
 - ❖ Calisto 2.
 - Najran Ext IV and Sharura Ext II Open Cycle PPs Ext., Contract #31121090/00 – Testing and commissioning for:
 - ❖ GSU Transformers 90/110 MVA, 13.8/132KV.
 - ❖ Unit Auxiliary Transformers 25MVA, 13.8/4.16KV.
 - ❖ Distribution Transformers 4.16/0.480KV, 4-2.5 MVA.
 - ❖ Dry-type Lighting Transformers.
 - PP12 Combined Cycle Power Plant – Testing and commissioning for GENERATOR STEP-UP TRANSFORMERS HITACHI 470MVA-380/18KV.
 - In EGYPT:
 - FUKA – DABAA 66KV OHTL, Matrouh – Egypt: OHTL Transmission Line Project Management.
 - Accomplished many (220KV/66KV Double Circuit Transmission Line Projects) and many maintenances operations, Alexandria – Egypt: Senior Electrical Engineer in Transmission Line Site

supervision.

- Capital Repair for GIS 220KV Switchgear, Mogama El Ghazl S.S – Egypt: I was one of the members of the committee for capital repair.
- BBC Rectifier Transformer, Alexandria – Egypt: Testing of BBC rectifier transformer (10.5/2*0.265KV).
- Trafo-Union Transformer, Sidi Krir S.S – Egypt: Testing and Commissioning of Trafo-Union transformer (500/220/12KV).
- Induction Furnace, Alexandria – Egypt: I was one of the members of the committee for capital repair of induction furnace.

- Field of experience :**
- Testing and Commissioning of Transformers up to 500 MVA:
 - Testing High Voltage Power Transformers: Testing and Commissioning of Power Transformers up to 500 MVA with OLTC schemes - Visual Inspection, Insulation resistance, Winding resistance, Turns ratio, No load power losses, No load current losses, Impedance voltage test, Vector group test, Zero Sequence Impedance, Magnetic Balance, Tap changer Inspection, Temp. Indicators Calibration, Control Panel Testing, Cooling Fans Control test, Function check for Mechanical Relays, Bushing C.T Tests, Dissipation factor test (Tan delta), Frequency Response Analysis (FRAX).
 - Testing High and Medium Voltage Switchgears & (GIS): High voltage test for bus bars, Grounding resistance, High voltage test for circuit breakers, Contact resistance for C.B, SF6 Gas leakage check, Measurement of moisture content in SF6 gas (Dew Point, Volume Percentage, SO2 value).
 - Testing and Commissioning of MV Motors & Generators: Winding Resistance, Insulation, Polarization Index, Motor Space Heater, RTDs and Solo run test.
 - Testing Voltage & Current Transformers: Insulation test for primary & secondary, Turns ratio, Winding resistance, Magnetization curve test.
 - Testing Isolating Switches: Contact resistance test, High voltage test.
 - Testing High & Medium Voltage Circuit Breakers: High voltage test, Contact resistance test, Timing test.
 - High voltage test for power cables: Circuit Phase Checking Test, Insulation resistance, DC Conductor Resistance Measurement, Cable Capacitance Measurement, Link Box Contact Resistance, High voltage test (AC and VLF).
 - Surge Arrestors: Insulation resistance, High voltage, Tan delta test.
 - Neutral Grounding Resistor (NGR): Insulation resistance, High voltage test, Winding resistance.
 - Ring Main Unit (RMU): Insulation resistance, High voltage, Contact resistance test.
 - Calisto 2: Dissolved Hydrogen, Carbon monoxide and Water Monitor.
 - QA/QC Electrical Inspector:
 - Document Review of Quality Procedures, Quality Control Plan, Method of Statements, ITP and Scope of work. Quality Inspection of Electrical Equipment/Materials including Receiving, Installation, Testing, Pre-commissioning & Commissioning of Power Systems.

- Preparing RFI's with relevant checklists, SATIP and drawings for client inspection and witnessing inspections along with them.
- Preparing surveillance reports & NCR's for non-conformities as per required standards and follow-up for their timely closures.
- Material Receiving and Preservation Inspection as per Approved ITP, Project Specifications and Standards.
- Carrying Inspection of Material Listing/Labeling, Dimensions, Verification of Vendor Documents with Materials, Material Test Certificates, and Approved Vendor Lists based on Purchase.
- Quality inspection for Installation & Pre-commissioning Tests of Lighting Panel, Power Panel Boards, LV Switch Boards, LV Motor Control Centers (MCC) and LV/MV Switchgears.
- Quality inspections for Installation, Pre-commissioning & commissioning of Power Transformers including GSU (Generator step-up transformer), Auxiliary Transformers, Liquid Filled and Dry Type Transformers.
- Quality inspection for Electrical Conduit (PVC, RGS, EMT, LTFMC) Installation with Conduit Fittings (LB's, Seal Fittings) according to the IFC and Electrical Area Classification Drawings.
- Cable Tray Installation works and laying of Cables on the Cable Trays according to the NEC and NEMA Standards.
- Quality Inspection for installation of Low Voltage Cables (Power, Control & Instrumentation) including Trench work and duct banks, above grade RGS Conduit installations, Cable Trays installation.
- Quality Inspection for installation of MV/HV cables for Direct Buried installations including Trench work and duct banks. Above Grade RGS Conduit installations, Cable Trays installation.
- Overhead Transmission Line:
 - Review design documents of overhead lines and OPGW/UGFOC.
 - Execute factory Inspection tests (FAT) for all tasks of transmission line projects such as (Tower steel, fittings, OPGW, insulators and conductors) according to ITP.
 - Ensure all site tests such as (OPGW splicing/joint testing/termination) by OTDR and check its parameter wavelength /attenuation loss/conductor length making drums distribution belong line.
 - Provide full inputs throughout initiation, planning, execution, monitoring, controlling and project closeout.
 - Technical support to the Pre-Contract and Project Delivery teams on matters concerning the design, construction and operation of overhead lines.
 - Supervise all technical activities at the sites to make sure that the construction / implementation of project is according to the engineering standards and technical specifications as per the contract documents.
 - Lead the planning and implementation of project.
 - Monitor and ensure all electrical site works comply with HSE and PTS.
 - Plan and schedule project timeline.
 - Work closely with contractor Project Manager to confirm

deliverables and services.

- Provided onsite Technical Support, safety instructions, Quality Control and Construction Supervision to the Sub-Contractors for Foundation Activities, Tower Erection and Installation of Conductor and OPGW.
- Provided full input in Checking Measurement Sheets, Invoices and Escalation Claims Submitted by the Contractors.
- Preparation of Daily, Bi-weekly and Monthly Progress Reports.