

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 9 years experience in the field of Energy Infrastructure Projects for Electrical Power Generation, transmission and distribution systems, such as Power Plants, HV OHTL, GIS, LV/MV/HV Switchgear, HV Power Transformers S/S, HV/EHV Substations, LV&MV Electricity Networks, Power grids, Power Facilities & Utilities and Solar PV Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/08/1992
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Benha University, 2014

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Digital Transformation Programs

TRAINING COURSES AND CERTIFICATIONS

: 15 ISO Certified Training Courses by SDEDCO (2021 - 2025).
: Trainee Engineer in North Giza Combined Cycle Power Plant (6x250MW) Gas/Oil Fired Units Project, by KAHROMIKA (Aug. 2013 - Sep. 2013).
: North Cairo Power Generation Station (Aug. 2013 - Sep. 2013).
: Helwan Factory for Power units Diesel engines for heavy-duty (Aug. 2013).
: Shoubra Factory for Electric Motors (27 El-Harbi) (Aug. 2013).
: El-Maco (EL-NASR) Company for Transformers (Aug. 2012).
: Shoubra El-Kheima Power Generation Station (Jun. 2012 - Aug. 2012).
: ICDL

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Oct. 2025 till now
Employer : ELSEWEDY ELECTRIC T&D (EETD)
Projects :
 - Sinai WPS (1) - (3x175+6x40) MVA, 220/66/22KV GIS Substation
 - Sinai WPS (2) - (3x175+6x40) MVA, 220/66/22KV GIS Substation
 - Sinai WPS (3) - (3x40) MVA, 66/11KV GIS Substation**Job title** : Senior QC Electrical Engineer
- Dates** : From Feb. 2021 till Oct. 2025
Employer : South Delta for Electricity Distribution Company (SDEDCO)
Project : Qaha & Qalyub Cities at Al Qalyubiyah Electricity Networks Sector 11/0.4KV
Job title : Electrical Technical Affairs & Power Utilities O&M Engineer
- Dates** : From Nov. 2018 till Jul. 2019
Employer : Complete Energy Solutions (CES)
Project : Benban Solar PV Power Plants 1.8GW in Aswan
Job title : QA/QC Electrical Testing Engineer
- Dates** : From May 2018 till Oct. 2018
Employer : KAHROMIKA
Job title : Senior Technical Office Engineer
(Head Technical Office Department of Company in Cairo)
- Dates** : From Jul. 2016 till May 2018
Employer : KAHROMIKA
Project : Kafr El-Sheikh (Low & Medium) Voltage Networks 11/0.4KV
(FIDP/Cp-31\46\9)
Job title : Electrical Project Engineer
- Dates** : From Apr. 2015 till Apr. 2016
Employer : KAHROMIKA (Misr Company for Mechanical & Electrical Projects)
Project : Suez Thermal Power Plant (1x650MW) Gas/Oil Fired Unit
Job title : Electrical Site Engineer
- Field of experience** :
 - Supervise the Installation & Layout Works of Electrical Equipment at Thermal Power Plant, such as: STG, Power/Aux./Service TRs, C.T, P.T, G.C.B, NGR, Excitation Cubicle, AVR, Insulated Bus Bars, Control Panels, MCC, MV SWGR 6.6/6.3KV, Cable Tray Fitting up, Cables Laying, Terminations for P&C Cables from Control building to measuring Instruments (DCS), motors, valves, pumps, sensors, temp. & press. transmitters in the field as per Approved layout Drawings, (P&ID) and Cables lists.
 - Lead the Implementation of (Low & Medium) Voltage Networks 11/0.4KV & Installation Works of (LV&MV OHTL Towers, Pole mounted Distribution transformers & Kiosks, Insulators, Isolating Switches,

LV&MV UG PVC/XLPE/HDPE Cables, HRC Fuses, LV&MV O.H Conductors, Earthing rods, RMUs, Surge arrestors, LV.MDBs, Termination & joints for LV/MV/HV Power Cables, MV Cells, AutoRecloser) according to Codes, IEC Standards as per approved SLD & Technical specifications.

- Prepare QA/QC Checklists for all Electrical Installation Works at Solar PV Power Plant, such as: (Ramming posts, PV modules Trackers Assembly, AC/DC Cables laying, earthing bars grid, Cable Trenches, DC combiner boxes, Aux.TR, Inverter TR to RMU, Lighting Arrestors, MV SWGR 22KV, Chargers, UPS, Batteries at Transfer Station) as per appr. (MOS) & QC plan & Client Requirements.
- Follow up the Installation of Grounding System (Earthing grid) for all Electrical Equipment Skids at Power Station as per approved earthing layout and details drawings of (Earth pits & rods).
- Perform Electrical Testing of all Electrical Equipment at (Power Plant & HV Substations) such as (Continuity test, Hi Pot VLF Test, Megger IR Test) for LV/MV/HV Cables, Tests for PV Power Plant, Tests for C.Ts, V.Ts, C.Bs, Earth Resistance Test, Tests for HV/MV Power Transformers, BDV & DGA Tests for TR Oil, Tests for SF6 GIS and Conduct Tests on LV/MV/HV Switchgear at Power Station according to Electrical schemes as per Tests Procedures Plan & Prepare Tests Reports.
- Measure the temp. of Electrical equipment in the Electricity grid to identify and reprocess hot spots.
- Review and Check all Electrical Engineering Drawings and Technical Documents, e.g., (BOQ, Technical Specifications, Transmittals, Time Schedule...etc.) as per the Project-Contract.
- Estimate Progress Invoices (Lump sum & Unit Prices Items) as per the Project-Contract Financial Condition and Prepare (WCC) for Main-contractors & Subcontractors.
- Prepare Technical Reports of MV&LV Feeders Loads and Voltage & Calculate load% of Distribution transformers to estimate the Required technical studies, such as (Load Balance & shedding Studies, Voltage Improving Studies, Sizing Power transformers, Cables, C.Bs, Protection setting of LV MCCB ACB and Inspect Energy Meters of clients) to ensure Stability & Reliability of Electricity grid.
- Prepare technical comments of QC Audit Reports on Power Facilities& Utilities acc.to ISO9001/2015.
- Follow up Operation & Maintenance Works for LV&MV Electricity Distribution Networks 11/0.4KV acc. to annual maintenance program and approved (MPIS) to Isolate Elec. Faults & Troubleshooting.
- Prepare (Quantity Survey, Letters, RFI, Daily & Monthly Site Progress Report, NCR, Punch list).
- Prepare (MRR, IR, MIR, Checklists) as per Approved Drawings, Technical Submittals, SAT and FAT acc. to ITP & MOS & QA/QC plan for all Electrical Installation & layout Works at HV Substations, for (MVA Power Transformers with its accessories, SF6 GIS Bays, LCC, Control, Protection, Metering, SAS Panels, P&C Cables Routing Tray, Earthing grid, LV/MV/HV SWGR, Aux.TRs, 220/48VDC Battery Chargers, AC/DC MDB, LV/MV/HV Cables laying at trenches, MEP Works, Firefighting Systems, S.A, CVT, GIB, NER, Capacitor bank ..etc.) & Update QC Logs.

- Monitor all Electrical Installation & Testing Works at Site to ensure its compliance with QC Standards.