

Holds a B. Sc. in Electrical Power & Machines Engineering and a Diploma in Electrical Power Engineering. Has over 18 years experience working in maintenance, operation, commissioning, start-up and protection.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/01/1982
Gender : Male
Marital Status : Married
Residence : Currently Iraq

EDUCATION

- : B. Sc. in Electrical Power & Machines Engineering, Tanta University, 2005
- : Diploma in Electrical Power Engineering, Alexandria University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : "CompEx Ex01-Ex04 for Gas and Vapours" - Internationally Recognized Training and Assessing for "Competency Validation of personnel who work on equipment for use in explosive atmospheres" (Certificate No: 086618GV) (Certification body: JT limited) (Expiry date: 13 Nov. 2025).
- : BPEx01 and BPEx02 onshore training with BP staff.
- : CMP Glanding onshore training with BP staff.
- : The operation, the maintenance, the instrumentation, electrical equipment, and chemical dosing of the "HRSG" in huge power plants (offshore training with NEM Company in Netherlands and Germany).
- : Gas turbine operation and maintenance with MITSUBISHI (MHSP) onshore training.
- : Steam turbine operation and maintenance with Ansaldo onshore training.
- : MV/LV switchgear operation and maintenance with SIEMENS onshore training.

- : MV/LV switchgear operation and maintenance with Schneider onshore training.
- : HV-GIS operation and maintenance with SIEMENS offshore training in Germany.
- : Batteries & Chargers – AUX-2 in Network Training Centre.
- : Classic control & PLC SIEMENS S7-200 and SCADA systems in Engineering Association.
- : Horizontal & vertical pumps system with Toshiba onshore training.
- : Service gas system compressors with Toshiba onshore training.
- : Site Safety trainings which include safety induction orientation, safety absolutes, supervisor HSE, fall protection (working at height), confined space, commissioning awareness, operation awareness, gas testing and others with BP, BECHTEL, TECHNIP ENERGIES, ENI, and Caterpillar in different projects.
- : Performing Authority (PA) and (WTP) with BP staff, TECHNIP ENERGIES, ENI, and Caterpillar in different projects.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2024 till now
Employer : Eni / Bonatti S.P.A.
Project : Zubair Permanent Power Generation (Z-PPG) – Basra, Iraq
Job title : Electrical Maintenance Supervisor

Dates : From Jan. 2022 till Apr. 2024
Employer : Eni / SPM™ Oil & Gas, “A Caterpillar Company”
Project : Zubair Permanent Power Generation (Z-PPG) – Basra, Iraq
Job title : Electrical Maintenance Supervisor

Dates : From May 2021 till Dec. 2021
Employer : TECHNIP / Carlo Gavazzi Egypt “CGE”
Project : Middle East Oil Refinery (MIDOR) Project Expansion, Alexandria, Egypt
Job title : Electrical Commissioning Engineer

Dates : From May 2018 till Apr. 2021
Employer : British Petroleum “BP” / Carlo Gavazzi Egypt “CGE”
Project : West Nile Delta (WND) Gas Development Project, Edco, Egypt
Job title : Electrical Commissioning & Start-up (CSU) Supervisor

Dates : From Mar. 2010 till May 2018
Employer : Middle Delta Electricity Production Co.
Project : EL-ATF Power Plant – Beheira, Egypt
Job title : Electrical Maintenance & Protection Engineer

Dates : From Mar. 2007 till Mar. 2010
Employer : Middle Delta Electricity Production Co.
Project : EL-MAHMOUDEYA Power Plant – Beheira, Egypt
Job title : Shift Charge Engineer

- Field of experience** : • **PROFESSIONAL ACTIVITIES AND RESPONSIBILITIES:**
- Performing, supervising and managing all activities of commissioning, inspections, testing for electrical equipment and systems in line with the specified site requirements.
 - Performing, supervising and managing all activities of preventive maintenance, predictive maintenance, corrective maintenance, and troubleshooting malfunctions electrical devices for electrical equipment and systems.
 - Supervising vendor activities pertaining to electrical systems.
 - Ensuring that electrical systems are installed correctly according to design specifications and modified if needed to compliance required designated functions.
 - Identifying and resolving electrical issues that may arise during the commissioning process.
 - Recording all test results, witnessing final testing and acceptance of equipment and compilation of all documentation for inclusion in the site test dossier.
 - Improvement and maintain the project reliability and quality as most safely and effectively.
 - Procurement (purchase material requests, study, and check quotations), inspections, assembling, installing, and testing new electrical equipment and systems.
 - Ex inspection, maintenance, and rectification works on all E&I equipment in site.
 - Ensure all work meets the site needs in reference to the regulations and the subsequent ATEX compliance.
 - Utilize and understand P&ID, single line drawings, termination drawings, schematic drawings, EX documentation, Certification documents, manuals, specifications, and process diagrams pertaining to oil and gas industry and power plants.
 - Test accuracy of, and detect abnormal fluctuations in electrical equipment and systems.
 - Provide support for the implementation and on-going maintenance of safety critical electrical systems.
 - Identifying problems or issues in a timely manner to take corrective action as required.
 - Diagnose, Identify and resolve electrical and instrumentation issues promptly during the commissioning and operation process to minimize downtime.
 - Build relationships and cooperate with other departments and project team members.
 - Overseeing and supervising the planning and execution of preventive and corrective maintenance on electrical and instrumentation systems.
 - Overseeing and supervising small to medium-sized projects related to electrical and instrumentation systems, including upgrades and

installations.

- Identify opportunities for process improvements and implement changes to enhance the efficiency, effectiveness and safety of maintenance operations.
- Comply with National Electrical Codes, Standards and Regulations.
- Comply and adhere to Health, Safety and Environment policy and comply with employee responsibilities.
- Leading a 24/7 quick response team to rectify plant shut down / trip issues to maintain production.
- Knowledge of working on either DCS or PLC control systems.
- Knowledge of the working principle of field instruments, sensor, control valve, transmitter, meter, and gauges.
- Prepare clear and concise records, reports, and other written materials.

- **PROFESSIONAL ELECTRICAL EQUIPMENT AND SYSTEMS:**

- Electrical generators of gas turbines and steam turbines and their auxiliaries with different power capacities from 3 MVA up to 350 MVA by different manufacturers as GE, MITSUBISHI (MHPS), ANSALDO ENERGIA, SIEMENS, Solar Turbines, ALSTOM, and others.
- Electrical power transformers, auxiliary transformers, and distribution transformers with different power capacities from 1.5 MVA up to 350 MVA for LV, MV, and HV from 400 V up to 220KV by different manufacturers as AREVA, Schneider, ALSTOM, ABB, HYUNDAI, and others.
- HV switchyards (GIS and conventional) up to 220 KV, MV switchgears 6.6 KV and 3.3KV, LV switchgears and MCCs 690 V and 400 V of the plant loads and other distribution panels for low voltage by different manufacturers as SIEMENS, Schneider, ABB, Skema, NATUS, and others.
- HV, MV, and LV Circuit Breakers with 220 KV, 6.6 KV, 3.3KV, 690 V, 400 V, and 230V by different manufacturers as SIEMENS, Schneider, ABB, Skema, NATUS and others.
- Gas engine and diesel engine with generator or compressor by different manufacturers as CATERPILLAR, Waukesha, and others.
- UPS and battery chargers by different manufacturers as GUTOR, Schneider, CEG, STATRON and others.
- Electrical motors "MV" 6.6 KV and "LV" 690 V, 400 V and 230 V with and without VFD variable frequency drives.
- Electrical excitation system with AVR control system for gas turbine, steam turbine, gas engine, and diesel engine type static and dynamic.
- Hot gas system and flare system and their auxiliaries.
- Different types of digital multifunction protection relays for generators, transformers, excitation systems, Switch gears, Switch yards, and IPB as BECKWITH type M-3425 and M-3310, MICOM type P345, P141, P132, P143, P241, P142, P342, P543, VAMP321, SEPAM S20, S42, M41, M87, SIEMENS 7SA512, 7SA522, 7SA612, 7SD522, 7SS522, 7SS523, 7UT613, 7UT635, 7SJ611, 7SJ602, BF 7VK610, REF 615, 630, 650, and others.
- Testing and measuring equipment and devices as Omicron CMC 256+, CMC 356, CPC 100, ISA, contact resistance CPM 500, CT Analyzer, Breaker analyzer system TM 1600, Winding resistance

WR14, Megger (Insulation resistance), Battery Impedance test BITE2, Megger Battery discharge tester, Megger contact resistance DLRO600, Grounding resistance C.A 6545, and other equipment and devices.

- (HRSG) heat recovery steam generator and its auxiliaries which the link between the gas turbine and the steam turbine with different pressure levels up to 135 bar and I had trained (offshore training) with Nem company in Netherlands.
- Different types of pumps motors (centrifugal, axial, gear, horizontal and vertical).
- Different types of control system (PLC, DCS, SCADA, MKV, DIASYS ...).
- Different types of valves (motorized, hydraulic, pneumatic).
- Different types of compressors and their auxiliaries.
- Chemical treatment of water and sampling systems and their auxiliaries.
- Distribution systems, wiring and lighting systems, electrical fixtures, apparatus, and control equipment.
- Computer skills related to Maintenance Management software Passport, Excel, Word, Outlook.
- **SKILLS & QUALIFICATIONS:**
 - Understanding well of electrical theory.
 - Electrical engineering.
 - Commissioning.
 - Test procedures.
 - Quality audits and inspections experience.
 - Preventive maintenance.
 - Predictive maintenance.
 - Corrective maintenance.
 - Troubleshooting.
 - Analytic reasoning.
 - Analyze and repair.
 - Diagnosing faults.
 - Problem solving & analytical.
 - Experience and ability to fault find complex electrical systems.
 - Safety compliance.
 - Understanding well safety standards and regulations.
 - Hazardous area working experience.
 - CompEx certified.
 - Qualified in Atex.
 - Risk management.
 - Strong planning.
 - Coordination & Organization.
 - Scheduling procedures.
 - Time management.
 - Good recording.
 - Maintaining documentation & records.
 - Attention to details.
 - Technical Support.
 - Provide training and guidance for less experienced.
 - Communicate technical information to non-technical stakeholders.
 - Leadership qualities.
 - Project & Team management.

- Experienced in working in a 24/7 quick reaction team.
- Control system.
- Knowledge of working on either DCS or PLC control systems.
- Computer maintenance hardware and software.
- Electrical programs for simulation, calculation, and test.