

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 17 years' experience working in maintenance, construction and commissioning at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/03/1983
Gender : Male
Marital Status : Married
Residence : Damanhour

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Tanta University, 2005

LANGUAGES

Arabic : Native Language
English : Fluent
Italian : Basics

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: Eplan Electric P8, AutoCAD Electrical, Solid Works

TRAINING COURSES AND CERTIFICATIONS

: H2S advanced, PTW, HSE, LOTO courses, Petrobel Training Center (Mar. – May 2022).
: UPS maintenance, See Center (Jan. 2022).
: GIS maintenance, See Center (Nov. 2021).
: SAP / CCMS training, Petrobel Center (Jul. 2021).
: MV circuit breaker maintenance, See Center (Jan. 2021).
: AVR Maintenance.
: Contract management course, Abu Qir Training Center (Jul. – Sep. 2012).
: Turbo generators maintenance, Abu Qir Training Center (Oct./Nov. 2011).
: DCS - Simatic S7 PLC, Abu Qir Training Center (May/Jun. 2010).
: Safety and occupational hazards, Civil Defense Troops, Egypt (2009).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2022 till now
Employer : Lukoil – Iraq
Project : Sicim – WQ2 Oil Plant
Job title : Electrical Commissioning Lead
Job Description :

- Provided hands-on technical support, concisely translating complex technical ideas to multiple levels of personnel.
- Created accurate, reliable wiring layouts, assembly specifications and design blueprints, aiding smooth, Efficient electrical manufacturing processes.
- Supported construction and commissioning processes, developing robust, reliable electrical and electromechanical designs.
- Commissioned, set up and inspected Tunnel Boring Machine (TBM).
- Maintained open, effective communication with project leaders.
- Managed procurement of electrical stock, suppliers and equipment.
- Applied principles of electrical theory to advance and improve product development.
- Oversaw production efforts, promoting budget-conscious project completion.
- Updated team on project changes, progress and developments...
- Initiated meetings to improve communications, convey project expectations and discuss requirements.
- Managed resources, created project schedules and maintained department budgets.
- Determined appropriate type and arrangement of circuits, insulation and circuit-breakers in electrical systems.
- Specified correct procedures for installing industrial equipment and systems.
- Supervised operation and maintenance of power stations, transmission and distribution systems and industrial plants.
- Provided technical advice on most efficient electrical engineering materials, products and processes.
- Modified engineering plans to meet needs of gas projects.
- Produced detailed performance reports from analysis data, delivering targeted solutions to electrical system faults.
- Fabrication and completions teams on electrical commissioning issues.

Dates : From Aug. 2017 till Aug. 2022
Employer : ENI-Petrobel Company
Project : Zohr Project, Port Said
Zohr Onshore Project electrical system is consisting of 6x10MW GTGs with main 33KV GIS Feeding 13 substations and auxiliary subsystems to serve the site facilities such as:

- 6 GTGs (SGT 400-SGT 800) (Fully Electrical testing, commissioning, operation and maintenance for Siemens gas turbine).
- Emergency diesel generators (MV-LV).
- MV SWGs, LV SWGs and MCCs.
- DC panel, UPS and Battery packs.
- 3KV GIS substation, SCADA (EMS-PMS-LSS) system.

- Power Transformers (11/33KV, 33/6.6KV, 6.6/0.4KV, 0.4/0.4KV) up to 20 MVA.
 - VFD medium voltage and VSD coolers for gas trains.
 - Heater thyristor control systems.
 - Heat tracing and Cathodic systems.
- Job title** : Senior Electrical Engineer
- Job Description** :
- Provided hands-on technical support, concisely translating complex technical ideas to multiple levels of personnel.
 - Created accurate, reliable wiring layouts, assembly specifications and design blueprints, aiding smooth, Efficient electrical manufacturing processes.
 - Supported construction and commissioning processes, developing robust, reliable electrical and electromechanical designs.
 - Commissioned, set up and inspected Tunnel Boring Machine (TBM).
 - Maintained open, effective communication with project leaders.
 - Managed procurement of electrical stock, suppliers and equipment.
 - Applied principles of electrical theory to advance and improve product development.
 - Oversaw production efforts, promoting budget-conscious project completion.
 - Updated team on project changes, progress and developments...
 - Initiated meetings to improve communications, convey project expectations and discuss requirements.
 - Managed resources, created project schedules and maintained department budgets.
 - Determined appropriate type and arrangement of circuits, insulation and circuit-breakers in electrical systems.
 - Specified correct procedures for installing industrial equipment and systems.
 - Supervised operation and maintenance of power stations, transmission and distribution systems and industrial plants.
 - Provided technical advice on most efficient electrical engineering materials, products and processes.
 - Modified engineering plans to meet needs of gas projects.
 - Produced detailed performance reports from analysis data, delivering targeted solutions to electrical system faults.
- Dates** : From Jun. 2020 till Dec. 2020
- Employer** : Sonker Company
- Project** : Bunkering LPG Project
- Sonker Bunkering LPG Project electrical system is consisting of Two medium voltage feeder (22KV) from Egyptian electricity network Feeding 3 Main substations and auxiliary subsystems to serve the site facilities such as:
- Emergency diesel generators (MV-LV).
 - MV SWGs, LV SWGs and MCCs.
 - DC panel, UPS and Battery packs.
 - 22KV AIS substation.
 - SCADA (EMS-PMS-LSS) system # Power Transformers (22/6.6KV, 6.6/0.4KV, 0.4/0.4KV) up to 30 MVA.

- VFD medium voltage and VSD coolers for BOG Compressor.
- SFS medium voltage and VSD coolers for refrigeration Compressor.
- Heat tracing and Cathodic systems.
- Power factor correction bank # All electrical component for 6 BOGs and 4 Export system.

Job title : Electrical Commissioning Superintendent

- Job Description** :
- Handled customer concerns and escalated major issues to supervisor.
 - Developed ongoing programmers' using good team communication and collaboration.
 - Maximized customer engagement and satisfaction by delivering excellent customer service.
 - Managed bookings to optimize team availability.
 - Operated equipment to exceed production targets.
 - Prepared orders to deliver excellent presentation and quality standards.
 - Actively listened to customers to fully understand requests and address concerns.
 - Good writing skills to compile reports, effectively communicate at all levels on complex technical topics and daily commissioning activities and maintenance.
 - Attend progress meetings and liaise with engineering, operations, construction, fabrication and completions teams on electrical commissioning issues.
 - Keep equipment operational by following manufacturer's instructions and established procedures; requesting repair service.
 - Maintain product data base by writing computer programs; entering data, Complete projects by training and guiding technicians.
 - Manage, Plan, organize, integrate, and direct labor and tool and material Allocation.

Dates : From Jan. 2016 till Apr. 2017

Employer : Mitsubishi Heavy Industries LTD

Project : West Cairo 2x340MW Thermal PP

Job title : Electrical Specialist

- Job Description** :
- Quickly and accurately repaired and replaced faulty components across diverse electrical equipment.
 - Monitored equipment performance, carrying out technical repairs for enhanced operational efficiency.
 - Resolved reported errors and faults quickly and accurately for reduced operational disruption.
 - Coordinated with electrical mining teams to identify and solve complex and issues with mining electrics in deadline-dependent environments.
 - Carried out preventative and reactive repairs to LV and HV systems.
 - Produced equipment functionality and productivity reports to maintain optimized electrical performance.
 - Main Generator (1) trip investigation (loss of excitation):
 - Review all events recorder and tenders for Generator and Excitation system.
 - Preparation Generator trip report and send to Manufacture (Mitsubishi) with technical advice
 - Coordination with TA's, managers with the client about Generator

- Trip issue (Turn to Turn winding short circuit in Excitation transformer).
- Discovering and repairing an internal turn to turn fault of (1.5MVA - 6.6/0.4KV) cast resin Excitation transformer.
- Fully Excitation transformer testing after Repairing.
- Main generator and Excitation system testing.
- Simulation/offline test for Excitation system.
- Online testing and synchronizing for the unit.
- Main Generator (2) trip investigation (Rotor earth fault):
 - Review all events recorder and tenders for Generator and Excitation system.
 - Visual inspection for all Slip ring brushes and rotor connection under slip rings.
 - Preparation Generator trip report and send to Manufacture (Mitsubishi) with technical advice.
 - Coordination with TA's, managers with the client about Generator Trip issue (Rotor earth fault).
 - Repairing the slip ring unit for Main generator.
 - Main generator and Excitation system testing.
 - Repairing the insulation and connection point for the rotor.
 - Main generator and Excitation system testing.
 - Offline/online testing and synchronizing.
 - Simulation/offline test for Excitation system.
 - Online testing and synchronizing for the unit.
 - Provide timely accurate for internal and external reports.
- El-Kureimat line feeder 500KV (1) Trip investigation (Differential protection trip):
 - Review all events recorder for all protection relays and fault recorder.
 - Visual inspection for all Insulators 500/220KV for the transformer.
 - Ashover for the incoming insulator GIS 500KV.
 - Preparation El-Kureimat line feeder 500KV (1) Trip report and send to Manufacture (Alstom) with technical advice.
 - Coordination with TA's, managers with the client about El-Kureimat line feeder 500KV (1) Trip issue (GIS insulator flash over).
 - Repairing 3 insulators GIS 220KV with GIS procedure and all Transformer insulators damaged (500KV-220KV).
 - Check all component for El-Kureimat line feeder GIS (220KV) circuit (Bay).
 - Fully Electrical testing for El-Kureimat line feeder GIS (220KV) circuit (Bay).
 - Fully Electrical testing and commissioning for Main transformer and Tap changer.
 - Energization El-Kureimat line feeder GIS (220KV) circuit (Bay).

Dates : From Jan. 2016 till Apr. 2016
Employer : SIEMENS
Project : Sidi Krir 2x312MW SST6-5000
Job title : Electrical TFA

- Job Description** :
- Achieved service time and quality targets.
 - Developed team communications and information for meetings.
 - Measured and accurately processed materials to minimize wastage.
 - Planned rotas to maintain high service levels while minimizing payroll costs.
 - Operated equipment to exceed production targets.
 - Met schedule using excellent planning and coordination skills.
 - Resolved customer queries and problems using effective communication and providing step-by-step solutions.
 - Exceeded goals through effective prioritization and consistent work ethic.
 - Good writing skills to compile reports, effectively communicate at all levels on complex technical topics and daily Electrical project activities.
 - Attend progress meetings and liaise with engineering, operations, construction, fabrication and completions teams on electrical commissioning issues.
 - Ability to communicate and work within a multicultural work force Environment.
 - Provide engineering information by answering questions and requests.
 - Keep equipment operational by following manufacturer's instructions and established procedures; requesting repair service.
 - Maintain product data base by writing computer programs; entering data.
 - Complete projects by training and guiding technicians.
 - Provide timely and accurate internal and external reports.
 - Manage, Plan, organize, integrate, and direct labor and tool and material allocation.
 - Testing all protection relays for generator.
 - Testing all CT and VT for generator.
 - Re-commissioning, Fully Electrical testing and commissioning for generator (Stator-Rotor).
 - Excitation system commissioning and start-up.
 - Auxiliaries' system for generator, Pre-commissioning, testing, commissioning and start-up.
 - Offline/online testing and synchronizing.
- Dates** : From May 2014 till Dec. 2015
- Employer** : Burullus Gas Company
- Project** : Phase VII Gas Compression Project, Onshore:
- Medium and Low voltage switchgears (Schneider) 2 GTGs (Fully Electrical testing, commissioning, operation and maintenance for gas turbine).
 - Power Transformers (Schneider).
 - Diesel and Gas Engine generators (CAT).
 - UPS, Battery chargers' systems (Gutor) # Air Compressors and Driers.
 - Explosion Proof Equipment.
 - Medium Voltage Motors, Soft Starter, SCADA Systems.
 - Flare ignition System High and Low Pressure.
 - Nitrogen, Fuel Gas Heaters.
 - Cathodic protection transformers.
 - Generators Fire Alarm and Fighting System.
- Job title** : Senior Electrical Engineer

- Job Description** :
- Planning, following and executing the pre-commissioning, commissioning, operation and maintenance activities on site.
 - Good writing skills to compile reports, effectively communicate at all levels on complex technical topics, daily commissioning activities and maintenance.
 - Ability to communicate and work within a multicultural work force Environment.
 - Attend progress meetings and liaise with engineering, operations, construction, fabrication and completions teams on electrical commissioning issues.
 - Provide engineering information by answering questions and requests.
 - Keep equipment operational by following manufacturer's instructions and established procedures requesting repair service.
 - Maintain product data base by writing computer programs; entering data, Completes projects by training and guiding technicians.
 - Provide timely and accurate internal and external reports.
 - Manage, Plan, organize, integrate, and direct labor and tool and material Allocation.
 - Systemization (system- sub system), LOTO, PTW, ITR and OTP for all electrical system components.
 - Offline/ online testing, load test for GTG and synchronizing.
 - Manage all Electrical maintenance activities.
 - Follow up all maintenance plan in SAP and CMMS.

Dates : From May 2013 till May 2014

Employer : GE

Project : West Damietta 4x125MW 9E CCGT

Job title : Electrical Site Engineer

- Job Description** :
- Advise subcontractors and site staff on civil and electrical construction drawings.
 - Planning, following and executing the construction, pre-commissioning, commissioning and start-up activities on site.
 - Good writing skills to compile reports, effectively communicate at all levels on complex technical topics and daily Electrical project activities.
 - Attend progress meetings and liaise with engineering, operations, construction, fabrication and completions teams on electrical commissioning issues.
 - Ability to communicate and work within a multicultural work force environment.
 - Provide engineering information by answering questions and requests.
 - Keep equipment operational by following manufacturer's instructions and established procedures requesting repair service.
 - Maintain product data base by writing computer programs; entering data.
 - Complete projects by training and guiding technicians.

Dates : From Jun. 2010 till Apr. 2013

Employer : Shell JV

Project : Burullus Gas Onshore Plant:
Electrical system is consisting of 4x10MW GTGs Feeding substations and auxiliary subsystems to serve the site facilities such as:

- Medium and Low voltage switchgears (Schneider, ABB, Siemens, Nova Qem and Skema).
- Power Transformers (Areva, ABB, Schneider).
- Diesel and Gas Engine generators (CAT, Perkins, Cummins, Deutz).
- UPS, Battery chargers' systems (Gutor, Chloride, MGE, SAFT, CEG, AEES, AEG, Reilo, EFFEKTA).
- Air Compressors and Driers.
- Explosion Proof Equipment.
- Medium Voltage Motors, Soft Starter, SCADA Systems.
- Flare ignition System High and Low Pressure.
- Nitrogen, Fuel Gas Heaters.
- Cathodic protection transformers.
- Generators Fire Alarm and Fighting System.

Job title : Electrical Engineer

- Job Description** :
- Planning, following and executing the construction, pre-commissioning, commissioning, operation and maintenance activities on site.
 - Maintained open, effective communication with project leaders.
 - Updated team on project changes, progress and developments.
 - Managed resources, created project schedules and maintained department budgets.
 - Provided hands-on technical support, concisely translating complex technical ideas to multiple levels of personnel.
 - Initiated meetings to improve communications, convey project expectations and discuss requirements.
 - Established delivery and installation schedules for machines, cables and fittings.
 - Provided technical advice on most efficient electrical engineering materials, products and processes.
 - Supervised operation and maintenance of power stations, transmission and distribution systems and industrial plants.
 - Good writing skills to compile reports, effectively communicate at all levels on complex technical topics and daily commissioning activities and maintenance.
 - Attend progress meetings and liaise with engineering, operations, construction, fabrication and completions teams on electrical commissioning issues.
 - Provide engineering information by answering questions and requests-
 - Keep equipment operational by following manufacturer's instructions and established procedures; requesting repair service.
 - Maintain product data base by writing computer programs; entering data.
 - Complete projects by training and guiding technicians.
 - Provide timely and accurate internal and external reports.
 - Manage, Plan, organize, integrate, and direct labor and tool and material allocation.
 - Manage all electrical maintenance activities in the site.
 - Follow up electrical maintenance plan in SAP and CMMS.

Dates : From Jan. 2009 till May 2010

Employer : ALSTOM

Project : Abu Qir 4x150MW Thermal PP

Job title : Generator Engineer

Job Description :

- Explained technical solutions to multidisciplinary teams and non-technical audiences.
- Supervised operation and maintenance of power stations, transmission and distribution systems and industrial plants.
- Modified engineering plans to meet needs of Generator maintenance projects.
- Provide timely and accurate internal and external reports.
- Disassembling and overhauling the generator.
- Full rewinding the stator of the generator.
- Full re-insulation the rotor of the generator.
- Pre-commissioning, Fully Electrical testing and commissioning for generator (Stator-Rotor).
- Excitation system commissioning and start-up.
- Generator protection relays testing.
- Auxiliaries' system for generator re-installation, Pre-commissioning, testing, commissioning and start-up.

Dates : From Feb. 2006 till Dec. 2008

Employer : West Delta Electricity Production Co. (WDEPCo)

Project : Damanhour 300MW Thermal Power Plant

Job title : Electrical Maintenance Engineer

Job Description :

- Working on implementing the RCM strategy and CMMS program.
- Investigated recurring electromechanical issues, seeking and implementing process and quality improvement strategies.
- Kept electrical machines in excellent working order by performing regular servicing, repairs and upgrades.
- Wrote maintenance strategies in order to help with installation and commissioning guidelines.
- Performed reactive and PPM accurately and efficiently, consistently meeting agreed maintenance time scales.
- Completed PPM paperwork and reports promptly for reliable, precise electrical service records.
- Managed electrical equipment inspections and servicing, assessing potential problems for reporting to Maintenance manager for repairing.
- Schedule and undertake PM and CM on all electrical equipment, components, and installations.
- Installation of fresh electrical components and fittings.
- Recommend replacement for old or faulty electrical components or fittings to the management.
- Keep record of all stock and supplies, including company's electrical equipment.
- Major overhaul for 3 AEG generator and fully Electrical testing for stator.
- Working in collaboration with the production team to formulate the best cost-effective manufacturing process.
- Help the organization to reduce energy costs.
- Ensure that all electrical gadgets and instruments are switched off after close of work daily.
- Preparing adaptive maintenance techniques for better assets management.

- Maintenance and troubleshooting of electrical equipment on site (Switchgear, Generators, Transformers, Controls, UPS, Batteries, Excitation, Drives).
- Maintenance and troubleshooting of electrical equipment on site (AIS 66KV feeding 8 outgoing circuit 66KV).
- Maintenance and troubleshooting of electrical equipment on site (GIS 220KV feeding 8 outgoing circuit 66KV).
- Preparing and reviewing electrical drawings.
- Design review and contractor's work supervision.

- Further experiences :**
- AVR Specialist (Fieldcore - GE) (Mar./Apr. 2021): Performance Test and site survey for Excitation system (Microrec - K4.1) in Takoradi Power Plant (Ghana).
 - Generator TFA (Siemens) (Jul./Aug. 2020): Major overhauling for turbo generator Siemens, re-insulating the Rotor (retaining rings). Fully electrical testing and commissioning for stator and rotor (West Damietta 1x750MW CCGT, Egypt).
 - Generator TFA (Ansaldo) (May/Jun. 2020): Major overhauling for turbo generator Brush, reinsulating the Rotor (El-Shabab Power Station 8x125MW GE 9, Egypt). Fully Electrical testing for the Rotor.
 - Generator Engineer (Quertzelec - Ansaldo) (Feb./Mar. 2020): Fully electrical testing (ELCID-Tan delta) for generator. GTG- 4 El-Shabab Power Station 8x125MW GE 9, Egypt.
 - Electrical Engineer (WDEPCO.): Major overhauling maintenance and testing for four GIS Circuits 220KV (Alstom), Egypt. Supervision for construction and commissioning for 24 Disconnecter switch (66KV) AIS, Egypt.
 - Electrical Engineer (EDEPCO.): Fully Rewinding and testing a lot of medium voltage Motor and low voltage with different capacity.

- Field of experience :**
- Summary:
 - Extensive background in advanced management processes.
 - Over 17 years of expertise in power systems, automation and controls.
 - Area of expertise:
 - Commissioning & Construction.
 - Operation & Maintenance.
 - Power generation system expertise (Steam & gas turbines CCGT).
 - Oil & Gas industry.
 - Electrical machines (Power transformer / Generator / Motor).
 - Excitation systems (Microrec K4.1 - EX2100e - MC600 - Unitrol 1010/1020).
 - Switchgear (LV / MV / HV).
 - Substation (GIS / AIS).
 - EMS system (SCADA / EMS / PMS / LSS).
 - CMMS/RCM/SAP/CCMS.
 - ITR-OTP-Punch list.
 - Protection relays (Microm / RED / Semipol / Digureg / SEP AM / SYMAP / Easergy S1 Studio / SIPROTEC_5).
 - Contracts/EPC.

- HSE (PTW/LOTO).
- Industrial automation (SFC-VFD-VSD).
- Project management.
- Programmer development.
- Technical writing.
- Projects:
 - ZOHR Development (onshore), oil & gas, Egypt.
 - Sonker Bunkering Company SAE, LPG, Egypt.
 - Sidi Krir 1 & 2 Thermal PP, 2x320MW, Egypt.
 - West Cairo 6 & 7 Thermal PP, 2x340MW, Egypt.
 - West Damietta 4x175MW 9E CCGT, Egypt.
 - Burullus Gas Company (Shell JV).
 - Damanhour Thermal Power Plant 300MW, Egypt.