

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 18 years hands-on experience working in Pre-commissioning, Commissioning, Start-up, Operation & Maintenance (Oil & Gas field - onshore sites / Power Generation & Distribution field).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/04/1980
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Menoufia University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good
French : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Design and drawing using AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: BP safety program that contains many safety subjects (BP).
: First aid and Rescue training (BP).
: Permit to work with Risk Assessments (BP).
: Certified EX from CompEX EX01-EX04 (Carlo Gavazzi Egypt).
: HITRA workshop training (BP).
: Isolation workshop training (BP).
: Authorized LV2 (to isolate all low voltage equipment) by British Petroleum BP's Site Authority (BP).
: SAP Program to maintenance plan (preventive & corrective & break down), TAQA ARABIA.
: Generators and transformers protection, Egyptian Electric Holding Company (EEHC) (Apr. 2006).

- : Circuit breakers and transformers maintenance, Egyptian Electric Holding Company (EEHC) (May 2008).
- : Programmable Logic Controllers (P.L.C. Siemens S7 300), Egyptian Electric Holding Company (EEHC) (Jun. 2010).
- : Measurement transformer and feeder protection, Egyptian Electric Holding Company (EEHC) (Sep. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2021 till now
- Employer** : Carlo Gavazzi Egypt (CGE)
- Project** : MIDOR REFINERY EXPANSION
- Job Description** :
- QA/QC E&I Team Leader.
 - As a Certified EX Inspector, doing Visual / Close / Detailed inspection on the different EX equipment based on IEC 60079 in all the systems such as F/G, Lighting, Junction Boxes, Motors, heat tracing, cathodic protection, power socket, ...etc.
 - Document preparation prior to Ex inspection (Area classification, Equipment drawing, IECEX Certificates, ...etc.).
 - Carry out Ex inspection based on IEC 60079 and Ex ITR.
 - Clearing all the comments during the inspections.
 - Preparing all the ITR's (Inspection test reports) for the inspected equipment.
 - Update the drawing (As built) if required.
 - Electrical Commissioning Team Leader:
 - Lead team to execute pre-commissioning and commissioning activities.
 - Perform equipment walk-down, safety walk-down & ensure safe turnover of equipment from Contractor to Client.
 - Review/Approval of engineering documents and drawings, as-built documents etc.
 - Prepare the daily, weekly and monthly progress reports.
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- Dates** : From May 2018 till Jun. 2021
- Employer** : Carlo Gavazzi Egypt (CGE)
- Project** : BP West Nile Delta (WND) Gas Development Project
- Job title** : Electrical Commissioning Engineer
- Job Description** :
- Responsible for supervising and executing Pre-commissioning, Commissioning, Start-up, Operation & Maintenance with HSE regulations for all electrical equipment at same project.
 - One of BP Operations System Handover team accepting different electrical systems from construction.
 - As Isolation Authority (ISA) approved by BP site Electrical lead for LV equipment such as Motors, EDG's, Transformers and Bus Bars as per BP Standard.
 - Reviewing project technical document before the commissioning stage.
 - Reviewing the FAT of LV switchgears.
 - Training on BP safety program that include several safety courses.
 - Take over all necessary incident preventive actions during normal operation (Job Safety Analysis, control measure).

- Maintain the site HSE requirements (Raise PTW, Risk Assessments (HITRA), isolation confirmation certificate ICC, Design the Isolation / De-Isolation IDP Plan, Switching Plans and LOTO system).
- Expert in systems documentation review.
- Maintenance and operation for switch Gears (MV 6.6KV/3.3KV PIX Switchboards, LV 690V/400V OKKEN Switchboards), GUTOR UPS and PMS Schneider.
- Responsible for the different site testing requirements (loop check, CB test, protection Relay's calibration and configuration, Primary Injection, High Impedance (Stability & Sensitivity), Bus bar stability & Sensitivity, High Pot Test.
- Authorized by BP Representative as Isolation Authority LV2 (LV Electrical Isolations) and Performing Authority PA.
- Perform Thermography task for electrical equipment such as Motors, Transformers, Switchboards, UPS, and Heaters and etc.
- One of BP system handover team who accept the different systems and create punch lists.
- Site Equipment:
 - RAVEN Site: Two substations have Schneider PIX MV 6.6KV, Schneider OKKEN LV 690V/400V, Gutor UPS, Battery & Battery charger, EDG, Solar and Siemens GTG, Transformers, Electric Heaters, VFD, Heat Trace, Cathodic Protection, Motors, ...etc.
 - Giza – Fayoum Site: Two substations have Schneider PIX MV 3.3KV, Schneider OKKEN LV 690V/400V, UPS, Battery & Battery charger, EDG, GTG, Transformers, Electric Heaters, VFD, Heat Trace, Cathodic Protection, Motors, ...etc.

Dates	:	From Mar. 2013 till Apr. 2018
Employer	:	Qalaa Holdings, TAQA Arabia (Global Energy)
Project	:	Egyptian Styrenics Production Co., E-Styrenics Project
Job title	:	Electrical Maintenance Manager
Job Description	:	<ul style="list-style-type: none"> • Responsible for maintenance power station include gas Engine MW M2032 V16 & 12 (2x4.3MW & 1x3.3MW) Connect to national grid, genset control system (TEM-EVO System), PLC Siemens S300. • Manage electrical maintenance department to carry out preventive & corrective and breakdown maintenance for the electrical equipment by SAP program. • MV switch gear (Schneider MC SET vacuum CB 11KV), LV auxiliary panel (air CB 2000A). • Configuration protection device (Sepam 20, 40, 80), engine protection device (semap ECG), grid protection device (Knae) and synchronizing device (KSY). • Engine instrumentation (pressure, temperature, level, speed, knocking and level switch). • Engine auxiliary (HT, LT water pump, radiator fan, lube oil pump, air compressor, frequency converter ABB, gas unit, firefighting system, 24 & 110VDC with battery charger). • Following up the safety instruction & rules during carrying out the jobs. • ATS philosophy test.

Dates : From Apr. 2010 till Jan. 2013
Employer : Kharafi National
Project : Port Galib Power Station, Marsa Alam (Port Galib)
Job title : Senior Electrical Engineer
Job Description :

- Responsible for maintenance power station include Diesel Engine (4x3.4MW "MAN") using DCS genset Control System (11KV ABB Switch gear).
- (2x8MW "Wartsila") using PLC control system (Schneider) (11KV Schneider Switch gear).
- Calibration of Field Instrument (Pressure Transmitter, Pressure Switch & Level Transmitter, Level Switch & Temperature Switch, ...etc).
- Adjustment of protection Relays (Multifunction Relays REF, REM).
- Adjustment of protection Relays (Multifunction Relays vamp).
- Loop Check for DCS and PLC.
- LV Switch Boards & Motor Control and Auxiliary Units Panel.
- Control System, Air System, Lube Oil & Heavy Oil Separators.
- Fire Detection System (Smoke Sensor, Heat Sensor, Deluge Valves).
- Power transformers (11/0.4KV).

Dates : From Mar. 2004 till Mar. 2010
Employer : Egyptian Electric Holding Company (EEHC)
Project : Abu Qir Thermal Power Plant (4x150MW + 1x350MW + 2x650MW)
Job title : Maintenance Engineer of high voltage equipment
Job Description :

- Medium voltage (66KV, 11KV), motors control center (6kv, 380v) switchgear.
- Control and troubleshooting of different types of (indoor, GIS and outdoor) switchyard.
- Installation and commissioning of generators, transmission lines, transformers, medium voltage switchgear and low voltage motor control center such as (ABB, SIEMENS).
- Maintenance of auxiliaries of the motors and pumps (6KV, 380v).
- Responsible of carrying out annual and periodical tests.
- Performing performance reports and spare parts plan.
- Fault analyzer and issuing reports and causes.
- Carrying out periodical maintenance and troubleshooting of Generators, Transformers, Transmission lines, CBS, CTS, VTS, panels, bus bars.
- Performing global maintenance work activities for all equipment's mentioned above during total plant shutdown.
- Overhaul of generator (rotor & stator) and change excitation system to static excitation Generator (AVR) 4 units 150MW, with Alstom Power Service Company.
- Commissioning and start-up for electro chlorination units with "SEVERN TRENT DENORA Co." (4 units "3300A, 450V").

Field of experience :

- Experience as Pre-commissioning & Commissioning & QA/QC and Maintenance Engineer in Oil & Gas, onshore sites and Steam Power Stations & Diesel engine Power Station, Substations.
- Responsible for preventive and corrective maintenance for the electrical equipment in the site including (substation, transformers, CBs, motors, UPS, Batteries, Diesel generator, switchgears, MCC, Protection Relays,

Scheme review, etc.).

- Participate in commissioning and modification, conduct periodic survey and carry out maintenance schedule for the electrical equipment, troubleshooting for different equipment, Supervise and coaching electrical technician.
- Reviewing documentation, Schematic diagram (power circuit, control circuit, Electrical, Mechanical interlock circuit breakers, Protection coordination and S.C calculation, ...etc.).
- Familiar with switchgear (change over between main power source and emergency diesel generator, rack out & rack in circuit breaker, Electrical diagram) and take all necessary action in electrical issue during the night shift.
- Working in many oil & gas projects and power generation & distribution projects leading the commissioning team who is responsible of testing the electrical system up to the energization.
- Analysis and diagnostic as necessary, improvement the production follow up and test the logic of equipment.
- Provide accurate and clear communications and instructions to other operations team personnel to coordinate and enable the achievement of team targets.
- Familiar with PTW “permit to work” classifications (Hot, cold, excavation, confined space and electrical isolation certificate), lockout tag out station & JSA (job safety analysis).
- Reviewing the procedures and modify if need, prepare new procedures for new task.
- Responsible for Safe operation, start-up & shutdown for the site.