

Holds a B. Sc. in Electrical Power Engineering and has about 10 years of extensive experience in the field of electrical power industry, project management, power generation, transmission substations, HV / MV / LV equipment, GIS, Transformers, protection panels & auxiliary systems throughout the complete life cycle; project initiation / engineering, planning, executing, testing, commissioning, start-up & maintenance.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 20/09/1988  
Gender : Male  
Marital Status : Married  
Residence : Currently Dubai, UAE

## EDUCATION

: B. Sc. in Electrical Power Engineering, Helwan University, 2010

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Transformer Protection GE Relays (T60) Configuration and Testing, PSP (Oct. 2013).
- : GE Protection Relays (D60, D90Plus, T60, T35, B30, B90 & F650), GE, Zamudio – Spain (Dec. 2013).
- : Low impedance Bus Bar Protection using Relays SEL487B & GE B90, SEL & GE – Dammam, KSA (Mar. 2017).
- : PMP 6 edition Preparation Course (Aug. 2020).
- : Project Management, certified PMP (valid till Nov. 2023).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2017 till now  
**Employer** : DEWA (Dubai Electricity and Water Authority) - Dubai, UAE

(Transmission Power Division)

**Job title** : Electrical Maintenance Engineer

**Job Description** :

- Preventive & corrective maintenance activities as well as modification and enhancement projects of 400 and 132KV substation equipment including; GIS with different make (AREVA, GE, SIEMENS, JAEPS, MITSUBISHI, ABB and HOLEC), 400/132 and 132/11KV transformers with different make (AREVA, BEST, SIEMENS, SGB, JAEPS, ABB, etc.).
- Planning, scheduling & execution of maintenance activities as well as emergency handling according to departmental procedures and safety regulations with the objective of improving equipment reliability.
- Prepare, review and modify work procedures, method of statement & check list for different maintenance activities.
- SF6 Gas Treatment including Testing, Leak Rectification, Gas Quality improvement and operation of Gas Handling Machine.
- GIS Mechanism Maintenance Spring, Hydraulic, pneumatic and Hydro-Spring Mechanism.
- Emergency response and NODs (Notification of Defects) rectification work.
- Ensure that procedures, quality, safety and environmental requirements are met by conducting site inspections, arranging toolbox talks and awareness sessions, and ensuring availability of all necessary personal protective equipment.
- Failure investigation, analysis & reporting of major equipment failures.
- Familiar with different modules of SAP system for maintenance management, work order processing, scheduling, material management, notification creation / processing / completion, work order confirmation / completion and reporting.

**Dates** : From 2014 till 2017

**Employer** : WESCOSA (Wahah Electric Supply Company of Saudi Arabia) - Dammam, KSA

**Projects** :

- Replace the Main Power Source at Abu Ali Gas Plant - Testing and commissioning for 230/13.8/0.48KV Substation
- Saudi Chevron Philips Co. S-Chem Turn Around
- Authmayah GOSP 13 Expansion - Testing and Commissioning for 230KV Relay Protection Panel
- MRJN TP9 - Testing and Pre-commissioning for 115/13.8/0.48KV Substation
- Wasit Gas Project - Testing and Commissioning for 9 MV Substations

**Job title** : Service Testing & Commissioning Team Leader

**Job Description** :

- Testing and Commissioning 230/115/13.8/4.16KV Substations.
- Protection Relay Panel Testing and Commissioning:
  - Line Differential Protection Relay using (SEL 411L - SEL 311L – GE L90 – Micom P543).
  - Distance Protection Relay using (Micom P543 – Micom P443 – and GE D60).
  - Low Impedance Bus bar Differential Protection Relay using (GE B90 – SEL 487B).
  - High Impedance Bus bar Differential Protection Relay using (GE

- F650 – ABB REC 670 – SEL 587Z).
- Transformer Differential Protection using (ABB RET541 – SEL 487E – SEL 787 - GE T60 – GE 745).
- Remote Tap-changer Controller (RTCC) Relay using MR Tapcon260.
- Bay Control Unit (GE F650 – SEL 451 – GE C30).
- Feeder Protection Relay (Micom P143 – ABB (542Plus - REF615 - REM610) – SEL 751 – GE (F35 – 750)).
- Motor Protection Relay (ABB (REM543 - REM610 - UMC100 - REF 542Plus) – SEL (489 - 710) – GE (369 – 469 – MM200 – MM 300)).
- Scheme Checking for (HV, MV & LV) switchgear including Interlock and Inter-tripping schemes.
- Stability Test for (Transformers, lines & HV / MV Bus bars).
- Transformer Testing (Power Transformer – Distribution Transformer – Dry Type Transformer).
- HV, MV and LV SWGR Testing including (Circuit Breaker Testing - CT and VT Testing – Bus bar Testing – SF6 gas Testing).
- Testing and Commissioning of Generator Circuit Breaker (GCB).
- Testing & troubleshooting all interface signals and command between different systems and SAS (Substation automation System).
- Testing of MV, LV power cables and control cables.
- Battery and battery charger Testing and commissioning.
- Planning, scheduling, coordination and leading the site activities.
- Preparing and reviewing testing and commissioning procedures for electrical and protection systems.
- Well conversant with the most common test equipment such as (MEGGER, AVO, PROGRAMMA, ISA, OMICRON ...).

**Dates** : From 2011 till 2014

**Employer** : PSP (Elsewedy Power System Project)

**Projects** :

- Giza North Power Plant CP-117 (3x750MW Combined Cycle) - T&C of transformers, cables and protection panels
- Abu Qir Thermal Power Plant CP-118 (2x650MW) - T&C of motors, power / control cables and protection panels
- Elnour & Elzaghoul Pump Stations Rashed – Egypt - T&C of motors, cables and MV / LV SWGR's
- Banha Power Plant CP-117 (Combined Cycle 750MW) - T&C of transformers, cables and protection panels
- Suez Steel Company Project, Suez – Egypt - T&C for DRI, WTP & SMP#2 (Direct Reduction Iron & Water Treatment Plant & Steel Melt shop Plant) with DANIELI Automation Company
- Nubaria Power Plant III (750MW Combined Cycle) - Training, troubleshooting and rectification of pending issues in relay panels

**Job title** : Electrical Testing & Commissioning Engineer

**Job Description** : Testing, Commissioning activities for several power projects.

- Field of experience :**
- Power transmission / distribution projects.
  - Power system protection.
  - Transformers, HV / MV / LV SWGR, Protection Relays and auxiliary systems.
  - Testing, Commissioning, Maintenance & Troubleshooting.