

Holds a B. Sc. in Electrical Engineering and has about 9 years' experience in managing electrical project lifecycle from design phase to delivery and implementation. Polished in analyzing, troubleshooting and developing solutions. Consistently delivers engineering services to meet company, customer and statutory and regulatory specifications on time and within budget.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/07/1991
Gender : Male
Marital Status : Married
Residence : New Cairo

EDUCATION

: B. Sc. in Electrical Engineering, H.T.I (Higher Technological Institute) – 10th of Ramadan City, 2013

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD for Mechanical drawing (2D)

TRAINING COURSES AND CERTIFICATIONS

: Analog and Digital Electronic (IT Gate Academy) (2009).
: Electrical Power Distribution System (The Ministry of Electricity) (2012).
: PETROBEL - Balayim Petroleum Company (2012).
: Cairo North Power Station (2013).
: Classic Control (Don Bosco Technical Institute) (2013).
: PLC s7 200s Siemens (Don Bosco Technical Institute) (2013).
: Shoubra El-Kheima Power Plant Site Specifics Training (2017).
: Transformer maintenance and testing training (Cairo West Power Station) (2017).
: Electrical Protection Training (Cairo West Power Station) (2018).
: Combined Cycle Power Plant Training (New Cairo Power Plant) (2018).

- : Advanced Electrical Protection Training (Cairo North Training Center) (2018).
- : GIS (Gas Insulated Switchgear) Training (Cairo West Power Station) (2019).
- : Onshore Site training for Generator and Steam turbine and with auxiliaries (Doosan Heavy Industries and construction) (2021).
- : Onshore Site training with Siemens Energy (2021):
 - Operation and Maintenance of transformers.
 - Operation and Maintenance of DC & UPS System (Jema).
 - Operation and Maintenance of batteries (HOPPECKE).
 - Siemens Protection Relays (Siprotec 5).
- : Onshore Site training with HYUNDAI (2021):
 - Operation and Maintenance of TIE Transformers 500/220KV (HYUNDAI).
 - Operation and Maintenance of DC & UPS System (Legrand).
 - Operation and Maintenance of batteries (Rocket).
 - Operation and Maintenance of GIS 500KV and 220KV (HYUNDAI).
 - Protection Relay System (GE and Siemens).
 - SAS.
- : Offshore Factory training with HYUNDAI at Ulsan, South Korea (2021):
 - Operation and Maintenance of TIE Transformers 500/220KV (HYUNDAI).
 - Operation and Maintenance of DC & UPS System (Legrand).
 - Operation and Maintenance of batteries (Rocket).
 - Operation and Maintenance of GIS 500KV and 220KV (HYUNDAI).
- : Onshore Site training for MV & LV Switchgear, dry type transformer and SEPAM Protection Relay (Schneider) (2022).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2017 till now
- Employer** : Cairo Electricity Production Company (CEPC)
- Project** : Cairo West Power Station Extension Project Unit 1E
- Job title** : Electrical Installation, Testing & Commissioning Engineer
- Job Description** :
- Installation, testing and commissioning of GIS (500KV / 220KV) (HYUNDAI):
 - Commission CT, VT.
 - Commission CB.
 - Commission ES, DS.
 - Commission CT, VT Loops.
 - Commission Protection and Control Scheme.
 - Commission Protection Relays (Siemens, GE).
 - Installation, testing and commissioning of SAS system (MiCOM):
 - 500KV Voltage level is equipped with 8 BCU C264 and variety of protection relays (P141, P443, 7SA522, P841, P746, P94V, P643, P642, P543, 7SD522, P645) moreover the energy meters EPM7000P.
 - 220KV voltage level is equipped with 12 BCU C264 and variety of protection relays (P141, P746, P94V, P643, P543, 7SD522) moreover the energy meters EPM7000P.
 - Protection relays communications have been tested showing all the

relays are communicated through IEC61850, giving alarms / events to the HMI.

- BCUs communications have been tested showing all BCUs are communicated through IEC61850, giving alarms / events to the HMI.
- Check the interlocking Logic for 500KV and 220KV.
- Testing the energy meter with SAS System.
- Installation, testing and commissioning of Tie Transformer (Auto Transformer) (500 /220/22KV) (HYUNDAI).
- Installation, testing and commissioning of High and Low Voltage Motor (KSP).
- Installation, testing and commissioning of Medium Voltage Switchgear, Load Center and Motor Control Centre (Schneider):
 - Commission CT, VT.
 - Commission Protection Relay for Switchgear (Sepam S40 – M87).
 - Function test for Switchgear, Load Center, MCC.
 - Testing of M.V Cable.
- Installation, testing and commissioning of Transformers (TBEA):
 - 3 Single Phase + Spare (Main Transformer).
 - 3 phase Transformer (Aux. Transformer).
 - 3 Phase Transformer (Service Station Transformer).
- Installation, testing and commissioning the Protection Relay for the Transformers (SIPROTEC 5).
- Installation, testing and commissioning of Generator 839.6 MVA (Doosan).
- Installation, testing and commissioning of Excitation System (Doosan).

Dates : From Aug. 2016 till Nov. 2016
Employer : Automationology - Honeywell Building Solution
Job title : Electrical Engineer
Job Description :

- For 2 months as an Installation Engineer at Cairo International Airport Terminal 2, responsible for Installing BMS (Building Management System) for HVAC Control System.
- For one month as a Maintenance Engineer at Cairo International Airport Terminal 3.

Dates : From Aug. 2014 till Jul. 2016
Employer : Misr Café, 10th of Ramadan, Egypt
Job title : Electrical Maintenance Engineer
Job Description :

- Ensured all equipment was in great working order.
- Troubleshot electrical equipment problems such as electro-valves and sensors.
- Prepared technical documentation for operation, troubleshooting and maintenance of industrial systems for PLC and Human Machine Interface.
- Monitored manufacture of electrical devices and operations to ensure compliance with safety protocols.
- Wrote protocols, qualification documents, test plans and test reports for quality assurance purposes.
- Organized and directed maintenance shutdowns and startups.

- Reviewed technical documentation to complete equipment maintenance and repair.
- Developed process improvements to increase reliability and equipment performance.

Skills:

- Project Management.
- Technical Drawings and Schematics.
- Knowledge of Technical Diagrams.
- Testing and commissioning.