

Holds a B. Sc. in Electrical Engineering and has over 16 years' experience working in maintenance, protection and testing.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/11/1983
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Electrical Engineering, Assiut University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Matlab
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : 550KV GIS Substation O&M factory training, HYOSUNG Heavy Industries corporation - South Korea (May/Jun. 2022).
- : 500/220KV 250MVA transformers factory training, HYOSUNG Heavy Industries corporation - South Korea (May/Jun. 2022).
- : Leadership and communication skills, Leadership Center - EEHC, Egypt (Sep./Oct. 2022).
- : Steam turbine and Generator with Auxiliaries O&M Training for Assiut Supercritical Power Station 1x650MW, Doosan Heavy Industries and Construction (Jun. 2021 – Oct. 2021).
- : My SAS & connected IED's (BCU, protection relays) for Assiut El-Walidya 220KW S/S, SCADA Innovations, Egypt (Nov. 2020).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2020 till now
Employer : Upper Egypt Electricity Production Company
Project : Assiut Thermal Power Station 2x300MW
Job title : Senior Project Engineer
Job Description :

- Monitored project progress and created weekly status reports.
- Supervising works of 220KV Assiut EI-Walidya substation extension and new Assiut EI-Walidya 500KV GIS Substation projects:
 - Constructions and erection works.
 - High voltage tests.
 - LCC, protection panels commissioning.
 - Protection relays, CT and VT primary and secondary tests.
 - GIS first operation, interlocks test.
 - GIS SF6 gas tests.
 - SAS operation and signals list test.
- In addition to all of tasks and works as Protection and Testing Engineer.

Dates : From Feb. 2020 till Apr. 2020
Employer : TECHNOMASTER, Assiut
Job title : Senior Protection, Testing & Commissioning Engineer
Job Description :

- Testing and commissioning for 3x75MVA 220/11/11KV SUBSTATION PROJECT FOR ASSIUT OIL REFINING COMPANY (ASORC) (scheme check, function test, SAS tests, protection relays test and transformer stability test).
- Canal Sugar switchgear 33/11KV (transformer AVR commissioning and testing).

Dates : From Dec. 2018 till Jan. 2020
Employer : Upper Egypt Electricity Production Company
Project : Assiut Thermal Power Station 2x300MW
Job title : Senior Project Engineer
Job Description :

- Performed detailed design reviews to ensure accuracy and compliance with standards and specifications.
- Facilitated and attended weekly project meetings to ensure all tasks were tracked and completed on schedule.
- Design reviews of 220KV Assiut EI-Walidya substation extension and new Assiut EI-Walidya 500KV GIS Substation projects for all of:
 - GIS rating and GIS diagram.
 - LCC and protection panels schematic diagram.
 - ACDB/DCDB schematic diagram.
 - SAS architecture.
 - Protection relays final setting.
 - Grounding system design.
- In addition to all of tasks and works as Protection and Testing Engineer.

Dates : From Feb. 2017 till Dec. 2018
Employer : Upper Egypt Electricity Production Company

Project : Assiut Thermal Power Station 2x300MW
Job title : Protection & Testing Engineer
Job Description : All of tasks and works as Protection and Testing Engineer.

Dates : From Jan. 2017 till Feb. 2017

Employer : [EGYPTROL](http://www.egyptrol.com)

Project : SIEMENS Project of New Capital CCPP Units 41 & 42

Job title : Protection, Testing & Commissioning Engineer

Job Description : Commissioning and Testing the following protection relays for Generator and Transformers:

- 7UM622 Generator Protection (SIEMENS).
- 7UT633 Generator Transformer Differential (SIEMENS).
- 7UT633 Overall Differential (SIEMENS).
- 7UT633 Unit Aux. Transformer Differential (SIEMENS).
- 7SJ611 Unit Aux. Transformer Protection (SIEMENS).
- 7SJ611 EXC. Transformer Protection (SIEMENS).
- 7SJ611 SFC Transformer Protection (SIEMENS).

Dates : From Jul. 2013 till Jan. 2017

Employer : Upper Egypt Electricity Production Company

Project : Assiut Thermal Power Station 2x300MW

Job title : Protection & Testing Engineer

Job Description :

- Created and maintained detailed test plans and test procedure for all of protection relays, GIS components and DC system (battery charger, Batteries).
- Maintenance and troubleshooting for all of control systems of all HV, MV, LV, generator, transformer, motors and excitation system.
- Testing of Generator Protection Relays.
- Testing Transformers Protection Relays.
- High voltage transformer tests (tan d, dc wdg resistance, turns ratio and insulation resistance).
- Testing 220KV T.L. / 220KV Bus bar Protection Relays.
- Testing MV & LV (6.3KV & 380 V) Protection Relays.
- High Voltage CB Tests:
 - Contact resistance.
 - Open-Close time measuring.
 - SF6 Gas test.
- Grounding system earth resistance measurements.
- DC system:
 - Discharging and recharging of Batteries (220 V, 48 V, 24 V).
 - Maintenance and troubleshooting for batteries and battery charger.
 - UPS system maintenance and troubleshooting.

Dates : From Feb. 2007 till Jun. 2013

Employer : Upper Egypt Electricity Production Company

Project : El-Kureimat GIS Substation (500/220/11KV)

Job title : Substation Electrical Maintenance Engineer

- Job Description** :
- Performed preventive maintenance and repair work on electrical systems and components of EHV & HV Substation.
 - Developed and implemented a maintenance schedule to ensure regular servicing and maintenance of GIS substation 500/220/11KV.
 - Maintenance of 500KV & 220KV switchgears.
 - Maintenance of battery chargers and batteries 110V, 48V.
 - High Voltage CB Tests:
 - Contact resistance.
 - Open/Close time.
 - SF6 Gas tests.
 - Supervision for General Overhaul Maintenance of 220KV SF6 Circuit Breaker, and 500KV SF6 Circuit Breaker, under supervision of Mitsubishi Electric Group, 3/2012.

- Field of experience** :
- Over 16 years of experience maintaining, commissioning and testing electrical systems in EHV & HV GIS, MV & LV switchgear and power plant.
 - Experience in Substations and Power Plant projects (Assiut El-Walidya Power Plant, 220KV S/S, Assiut Supercritical Power Station 1x650MW and 500KV S/S) design review, construction, erection, inspection, operation, control and testing.
 - Protection and Testing Engineer qualified with different protection schematics and relays, qualified with secondary testing and injection devices (Omicron CMC356, ISA 66, ISA 6 and FREJA 549), primary injection devices and energy meters configuration and calibration.
 - Adept in trouble-shooting and working to offer solutions. Bringing forth an in-depth understanding of facility management aimed at improving safe work processes and functions.