

Holds B. Sc. and M. Sc. in Electrical Power & Machines Engineering and has about 12 years experience working in construction, maintenance, protection, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 28/09/1987
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2009
: M. Sc. in Electrical Power Engineering, Alexandria University, 2015

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Management and Leadership: Leading a Team, The Open University (Dec. 2018).
: Coaching Skills for Leaders and Managers (Nov. 2018).
: Your Skills Your Life (soft skills), Faculty of Engineering, Alexandria, Egypt (Oct. 2008).
: Excel 2016 Foundation Training Course, Udemy (Oct. 2018).
: Maximize your Organizational Skills using Excel Sheets, Udemy (Oct. 2018).
: English Launch: Learn English for Free, Udemy (Nov. 2018).
: PLC Course, Good, Jelecom, Alexandria, Egypt (summer 2008).
: TOEFL IBT test (2015).
: TOEFL Course, Good, Social and Environmental Services Centre, Alexandria, Egypt (autumn 2007).
: Power Measurement and Instrument Transformer, Network Training Center (Nov. 2012).

: Fundamental of protective relays, Network Training Center (Nov. 2013).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2011 till now
- Employer** : Egyptian Electricity Transmission Company
- Job title** : Protection, Testing, Commissioning & Troubleshooting Engineer
- Job Description** :
- Testing & programming various types of protection relays.
 - Faults analysis & preparing incident Reports.
 - Adequate knowledge in reading the schematic drawings of different protection schemes for 220/66/11KV systems and preparing schematic drawings by using computer program.
 - Responsible for New extensions & installations at live Substations.
 - LV, MV, HV convention and GIS switchgear “C.T, V.T, isolators and C.B”:
 - High voltage test, Contact resistance, function check, interlocks, Timing for C.B.
 - Complete testing for all types of C.Ts and V.Ts.
 - Scheme checks (Synchronizing, breaker fail, Bus bar protection, communication scheme for distance relays, Interlocks).
 - Substation main and back up protection different manufacturers “i.e. Siemens, ABB, Areva, GE, Schneider and SEL”.
 - Primary injection, overall stability for “bus bar, REF, step up / down transformer”.
 - Testing Mimic, Annunciation, metering, load shedding, AVR Panels.
 - Live H.V Substations:
 - Making routine program on these substations and complete testing protection relay.
 - Faults analysis & preparing incident Reports.
 - Work on most Tester equipment like “Omicron CMC 356, Freja, SVERKER 780, CPC-100, ODEN primary injection current”.
 - Excellent knowledge in protection software applications (DIGSI 5.7, MICOM AGIL, GE Software, PCM 2.6, Cap501, Cap540, SFT2841).
 - Protection Relays (electromechanical, static, numerical).
 - Received complete substation from pre-commissioning to start-up.
 - Dc distribution systems and battery chargers.
 - Achievements:
 - Renew old protection relays with digital protection relays and made all modification to matching with the existing scheme.
 - Replaced old small rating power transforms with large rating power transforms and made all modifications.
 - Replaced and constructed of new 11KV sections.
 - Replaced of 66KV isolators operated by air with motorized isolators and made all control connections and modifications.
 - Converted interlocking circuits operated by air of many substations with electrical interlock and made of new control circuits.
- Dates** : From Oct. 2017 till Apr. 2018 (part time)
- Employer** : PETROJET – PETROBEL ZOHR ONSHORE

Project : ZOHR Gas Development Project, Port Said, Egypt
Job title : Electrical Management System (EMS) Engineer
Job Description : Responsible for Electrical Management System (EMS) and Electrical Isolation Lock Out Tag Out (LOTO), also preparing Permits Work and finished the following Courses:

- Lock Out Tag Out (LOTO), Oil and Gas skills OGS.
- Risk During Commissioning, Oil and Gas skills OGS.
- Introduction to Safety, Oil and Gas skills OGS.
- H2S Gas Level 1, Oil and Gas skills OGS.
- Advanced H2S Gas Level 2, MAERSK H2S SAFETY SERVICES (license).

Dates : From Mar. 2017 till Aug. 2017 (part time)
Employer : British Petroleum (BP) – Bechtel
Project : West Nile Delta (WND) Gas Development Project, Alexandria, Egypt
Job title : Protection, Testing & Commissioning Engineer
Job Description :

- Testing and programming various types of protection relays:
 - 750/760 Feeder Management Relay – GE.
 - Siemens SIMOCODE relay.
 - ELR - earth leakage protection relay.
- LV and MV convention switchgear (C.T, V.T and C.B).

Dates : From Jan. 2010 till May 2011
Employer : METITO for Water Treatment Plant Construction
Job title : Construction Engineer
Job Description : Design and Construct of All Electrical Connections for Motor Control Center (MCC), Motor Control Panel (MCP), Cable Tray, Local Control Panels, Local Control Station, Lighting Distribution System, Earthing System, Telephone System, Firefighting System, Testing and Commissioning of All Panels.

Dates : From Aug. 2009 till Dec. 2009
Employer : Uni World Company for Plastic Industrial, Alexandria
Job title : Operation & Maintenance Engineer
Job Description : Operation and Maintenance of Blowing Machines.

Published Papers:

- In the 1st International Conference on New Trends for Sustainable Energy (ICNTSE 2016), Pharos University in Alexandria, October 1-3, 2016. Titled "Simulation of Distance Relay for Load Encroachment Alleviation with Agent Based Supervision of Zone-3".
- Renewable Energy and Sustainable Development (RESO) journal, volume 3 Issue 1, Special Issue, March 2017 - ISSN 2356-8569. "Simulation of Distance Relay for Load Encroachment Alleviation with Agent Based Supervision of Zone-3".

Field of experience :

- Protection of Power Systems.
- Commissioning.

- Start-up.
- Testing.
- Construction.
- Maintenance.
- Trouble Shooting.
- Faults Analysis.
- H.V / M.V / L.V Substation.
- Power Plants.
- Oil and Gas.
- Water Treatment Plants.