

Holds a B. Sc. in Electrical Power Engineering and has about 25 years hands-on experience in Substations & Power Plant protection, including 10 years working as Senior Electrical Protection Engineer with both owner and contractor organizations including also EPC projects.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 20/08/1961  
Gender : Male  
Marital Status : Married

## EDUCATION

: B. Sc. in Electrical Power Engineering, Helwan University, 1985

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : A course in digital electronic for protection systems at South Cairo Institute in Nov. 1988 (6 weeks).
- : Out of country training course in U.S.A. and Switzerland for 3 months in project of replacement & upgrading all types of 500KV Line Production System done by Gilbert Commonwealth Inc. Company, including:
  - Training on Power Line Carrier Equipments used in protection at General Electric Factories in U.S.A.
  - Training on Protection Designs used in the project.
  - Training on ABB relays in its factories in Switzerland.
  - Training in DC Batteries and Battery Chargers in Hitran Factories in U.S.A.
  - Training in recording devices in Hathaway Company in U.S.A.
- : A training course in 500KV lines New Protection System done by Gilbert Commonwealth Inc. Company in Egypt.
- : Out of country training course in U.S.A. on the project of installation of 220KV New Reactive Power Compensation Static Capacitors (2x100 MVARs) for 3 weeks done by Alstom Company.

: A course in rehabilitation of 220KV Network Components done by AEG Company in Egypt.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2009 till Oct. 2009  
**Employer** : Al Toukhi Company for Industry & Trading (TIT)  
**Project** : Faras Power Plant  
**Job title** : Protection Engineer  
**Job Description** :

- Testing & commissioning of generator step-up transformers, Aux. transformers, CTs, VTs.
- HI-POT tests for Iso-Phase Bus Ducts and MV power cables.
- Stability, intertripping and interlocking tests for all generators / step up transformers and interface with 230KV substation.

**Dates** : From Apr. 2008 till Apr. 2009  
**Employer** : Al Toukhi Company for Industry & Trading (TIT)  
**Project** : Riyadh Power Plant #8 (PP8) Extension II Project  
**Job title** : Protection Engineer  
**Job Description** :

- Testing & commissioning of generator step-up transformers, Aux. transformers, CTs, VTs.
- HI-POT tests for Iso-Phase Bus Ducts and MV power cables.
- Responsible for coordination with substation contractor for interface with 380KV S/S (9021 S/S).

**Dates** : From Apr. 2007 till Apr. 2008  
**Employer** : Al Toukhi Company for Industry & Trading (TIT)  
**Project** : Dammam BSP 380/115KV (KSA)  
**Job title** : Project Engineer  
**Job Description** :

- Responsible of preparation and attending for bi-weekly meetings and following up the items.
- Responsible of planning and scheduling for different project activities and following up the work progress.
- Responsible of preparing of periodical progress reports.
- Responsible of preparing base design & detail design submittals to SEC-EOA for getting approval.
- Responsible of following up with suppliers for materials delivery on time.

**Dates** : From Nov. 2006 till Mar. 2007  
**Employer** : Al Toukhi Company for Industry & Trading (TIT)  
**Project** : Shoqiah S/S project 110/13.8kv at Mekka – KSA  
**Job title** : Protection Coordinator  
**Job Description** :

- Following up site testing & commissioning for protection & control and measuring devices also HI-POT tests.
- Putting overall & monthly and weekly time schedules for testing & commissioning works.

- Coordination with SEC-WOA to get approval of site test reports.
- Following-up clearing & resolving of punch list remarks.
- Coordination with design & engineering consultant for finalizing modified drawings of protection.

**Dates** : From 1996 till Nov. 2006

**Employer** : Egyptian Electricity Transmission Company (EETC)

**Job title** : Project Engineer

**Job Description** :

- Responsible for studying and following up the project technical specifications (PTS) and also preparing & following up the purchase orders.
- Supervision of installation of new 500KV transmission lines between substations in Cairo 500KV Substation and Bassous 500KV Substation.
- Supervision of installation of new 3x501MVA Power Auto Transformers 500/220/11KV in Cairo 500KV Substation.
- Supervision of rehabilitation projects for 500KV and 220KV Switchgear in Cairo 500KV Substation.
- Erection Supervisor and Commissioning Engineer for control and protection panels including termination, interfacing, cable laying, relay testing and connections checking until putting into service for:
  - New 220KV reactive power compensation static capacitor 2x100 MVARs in Cairo 500KV Substation.
  - New 500KV Transmission Lines between Cairo 500KV Substation and West Nubaria Power Plant.
  - New substation 220/66KV in Sidi Salem done by AREVA Company.

**Dates** : From 1986 till 1996

**Employer** : Egyptian Electricity Transmission Company (EETC)

**Job title** : Protection & Measurements Engineer

**Job Description** :

- Work experience in design, setting calculation, wiring, testing, commissioning, troubleshooting, fault analysis and periodic maintenance of different types of protections, control and metering systems for substations equipments (High Power Transformers – Transmission Lines – Bus Bars, etc.) for the following levels of voltages (500KV, 400KV, 220KV, 132KV and 66KV).
- Work experience in design, wiring, programming, testing, commissioning, fault analysis, troubleshooting and periodic maintenance and checking of the following monitoring devices:
  - Digital fault recorders.
  - IDM fault recorders.
  - Sequential event recorder.
  - Fault locators.
  - Annunciators.
- Design, wiring, calibration, testing, commissioning, troubleshooting and periodical maintenance of:
  - Communication equipments (transmitters, receivers, etc.).
  - Metering instruments (electromechanical – digital).