

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 21 years hands-on experience in maintenance, mainly at Cairo West Power Plant.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 02/03/1964  
Marital Status : Married

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Al-Azhar University, 1988

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: MS Word

## TRAINING COURSES AND CERTIFICATIONS

- : Training course in electrical control of 500KV GIS at CEGELEC Company, Marne L a Vallee, Pierrelated – FRANCE, 4 weeks.
- : Training courses in Siemens Company, Germany, 4 weeks:
  - Generator and its auxiliaries (seal oil system, cooling gas system and gas dryer system) in Muehlheim.
  - High voltage motors in Berlin.
  - Transformers in Nuernberg.
  - Excitation system in Erlangen.
- : Training course on static excitation system program SIMATIC S5-115U given by Siemens specialist in Cairo West Power Plant.
- : Training course on Electrical control of MV, LV Switchgear in ABB ARAB factor, Cairo – Egypt.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Oct. 2005 till now  
**Project** : Cairo West Power Plant

**Job Description** : Working in units 7 & 8 (2x350MW) for specification preparation and review, bid evaluation, drawing review and attending the pre-award negotiation.

**Dates** : From Apr. 1999 till Oct. 2005

**Employer** : Al Taweelah Power Company (9x150MW), Abu Dhabi – UAE

**Job title** : Electrical Maintenance Engineer

**Job Description** : Ordinary, preventive and emergency maintenance of the following:

- Generator, 175 MVA - air cooled generators.
- Generator transformer, 175 MVA - 15/132KV, ONAN/ONAF – on load tap changer.
- Unit Auxiliary transformer, 34 MVA - 15/11/11KV, ONAN/ONAF – off load tap changer.
- Station transformer, 54 MVA - 132/11/11KV, ONAN/ONAF – on load tap changer.
- MV oil cooled transformers – off load tap changer.
- 132KV GIS.
- 400KV low pressure oil filled cables.

**Dates** : From Jan. 1995 till Apr. 1999

**Project** : Cairo West Power Plant (2x350MW)

**Job title** : Electrical Maintenance Engineer

**Job Description** : Ordinary, preventative and emergency maintenance of the following:

- Generator and its auxiliaries.
- Excitation system.
- Transformers.
- MV motors (6.6KV motors).
- LV motors including motor operated valves.
- Condenser cleaning system.
- MV and LV switchgear.

**Dates** : From Apr. 1992 till Jan. 1995

**Project** : Cairo West Power Plant extension project (2x350MW)

**Job title** : EEA Site Engineer

**Job Description** : Supervising the erection, commissioning and recommended the spare parts of the following:

- Generator, 446 MVA – hydrogen cooled Generator.
- Excitation system.
- Generator seal oil system.
- Generator hydrogen system.
- Transformers:
  - Generator step up transformer, 446 MVA, ONAN/ONAF – off load tap changer.
  - Unit Auxiliary transformer, 34 MVA, ONAN/ONAF – off load tap changer.
  - Station transformer, 54 MVA, ONAN/ONAF – Automatic on load tap changer.
- MV motors.

- During that I attended the following generator tests:
  - Winding internal resistance test.
  - Winding insulation resistance test (megger test).
  - Generator high voltage test.
  - Generator leakage test.
  - Generator open circuit test.
  - Generator short circuit test.
- Attended the following transformer tests:
  - Transformer winding insulation test (megger test).
  - Transformer turns ratio test.
- Transformer protection tests:
  - Winding temperature.
  - Oil temperature.
  - Buchholz relay.
  - Oil pressure relay.

**Dates** : From Jan. 1991 till Dec. 1992

**Project** : Cairo West Power Station (4x87MW)

**Job title** : Electrical Maintenance Engineer

**Job Description** : Periodical, preventive and emergency maintenance of the following:

- Generator, 105 MVA – hydrogen cooled generator.
- Generator Auxiliaries, Excitation system, Seal oil system, Gas system.
- Transformers:
  - Generator step up transformer, 105 MVA, ONAN/ONAF – off load tap changer, 13.8/220KV.
  - Unit Auxiliary transformer.
- Station transformer, ONAN/ONAF, 220/3.3KV, off load tap changer.
- MV motors.
- Participated with Westinghouse engineer in the tests which carried out on the generator during major overhaul as following:
  - Stator wedges test.
  - Stator winding internal resistance test.
  - Stator winding insulation resistance test.
  - EI, CID test.
  - Stator High voltage test.
  - Rotor winding internal resistance test.
  - Rotor winding insulation resistance test.
  - Rotor high voltage test.

**Dates** : From Jan. 1990 till Jan. 1991

**Project** : Cairo West Power Station (4x87MW)

**Job title** : Under Training Shift Engineer