

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 28 years hands-on experience working in maintenance and construction at Power Plants.

PERSONAL DATA

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

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

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.
- : Training course in Hyosung Company factory, Shangwon, South Korea, for two weeks, the training course covered theory, design, manufacturing and testing the power transformers.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2015 till now
Project : Cairo West Power Plant Extension Project unit 1E (650MW)
Job title : Electrical Construction Manager
Job Description :

- Preparing the site for execution the project, study project electrical technical specification with the consultant, study the offers of the bidders, attending the pre award and the kick off meeting and follow up the steps of the project execution with consultant and contractors.
- During that I was assigning (from Oct. 2016 till Jun. 2017) as Electrical Maintenance Manager to follow up the CTG units (3 & 4) upgrading in Cairo North Power Plant.

Dates : From Oct. 2014 till Nov. 2015
Project : Cairo North Power Plant Combined Cycle (2x750MW)
Job title : Electrical Maintenance Manager
Job Description : Supervising the rehabilitation of the STG 2 generator and its auxiliary systems after fire breakout in the unit and its accessories, preparing the maintenance schedule and following up its execution for the other units and preparing the training courses for the electrical stuff.

Dates : From Jan. 2013 till Oct. 2014
Project : 6 of October Project stage 2 (4x150MW)
Job title : Electrical Manager
Job Description : Attending for daily progress meeting & follow up the project target milestones as well as participating for solving electrical site problems & also supervising (with electrical Dep. Stuff) the erection, commissioning, start-up as per electrical standards & Safety requirements and recommended the spare parts of the following:

- Generators and its auxiliaries.
- Generator Step up transformers.
- Unit auxiliary transformers.
- M.V transformer - Dry type 6.6/0.38KV.
- H.V, M.V and L.V switchgears.
- D.C system.
- M.V motors.
- MV & LV cables.

Dates : From Jul. 2011 till Jan. 2013
Project : 6 of October Project stage 1 (4x150MW)
Job title : Electrical Manager
Job Description : Attending for daily progress meeting & follow up the project target milestones as well as participating for solving electrical site problems & also supervising (with electrical Dep. Stuff) the erection, commissioning, start-up as per electrical standards & Safety requirements and recommended the spare parts of the following:

- Generators and its auxiliaries.
- Generator Step up transformers.
- Unit auxiliary transformers.

- M.V transformer - Dry type 6.6/0.38KV.
- H.V, M.V and L.V switchgears.
- D.C system.
- M.V motors.
- MV & LV cables.

Dates : From Jul. 2007 till Jul. 2011
Project : Cairo West Power Plant Project units (7, 8) (2x350MW)
Job title : Electrical Manager
Job Description : Attending for daily progress meeting & follow up the project target milestones as well as participating for solving electrical site problems & also supervising (with electrical Dep. Stuff) the erection, commissioning, start-up as per electrical standards & Safety requirements and recommended the spare parts of the following:

- Generator - 440 MVA hydrogen cooled and its auxiliaries, excitation system, seal oil system and hydrogen system.
- Generator Step up transformer 500/19KV ONANIONAF/ONAF2 - off load tap changer.
- Unit auxiliary transformer 19/6.6/6.6KV ONAN/ONAF - off load tap changer.
- M.V transformer - Dry type 6.6/0.38KV.
- H.V, M.V and L.V switchgears.
- D.C system.
- M.V motors.
- MV & LV cables.
- Cable duct banks & cable trays.

Dates : From Oct. 2005 till Jul. 2007
Project : Cairo West Power Plant Project units (7, 8) (2x350MW)
Job title : Electrical Manager
Job Description : Reviewing electrical specification, offers evaluation, drawing review and attending the pre-award negotiation meeting.

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.
- MV switchgear.
- 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 : Attending daily meetings & participated for solving electrical site problems. In addition Supervising the erection, commissioning and recommended the spare parts of the following:

- Generator, 446 MVA – hydrogen cooled Generator.
- Excitation system.
- M.V motors.
- Generator seal oil system.
- Generator hydrogen system.
- Transformers, including the following::
 - 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.
- 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, including the following:
 - 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