

Holds B. Sc. and M. Sc. in Electrical Power & Machines Engineering, a Higher Studies Diploma in Protection of Electrical Power System and MBA. Has about 13 years hands-on experience in electrical construction, testing and commissioning of power plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 09/02/1982
Gender : Male
Marital Status : Married
Residence : Currently Oman

EDUCATION

- : B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2006
- : Higher Studies Diploma in Protection of Electrical Power System, Cairo University, 2011
- : M. Sc. in Electrical Power & Machines Engineering, Cairo University, 2015
- : PHD Registration in Electrical Power Engineering, Cairo University, 2016
- : Master of Business Administration in General Management (MBA), The International Business School of Scandinavia, Denmark, accredited by ASIC, UK (Nov. 2018)

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : Photoshop
- : AutoCAD
- : Matlab simulation & programming
- : Fuzzy logic control modeling
- : DIALUX & ETAP

TRAINING COURSES AND CERTIFICATIONS

- : Advanced training course about Substation Automation Systems "Operation and Maintenance Micom Protection and DS Agile control system", Alstom Grid Technical Institute, Montpellier, France (Feb./Mar. 2014).

- : Apex- Dubai for Development and Consultancy Services:
 - Root Cause Failure Analysis.
 - How to Deal During Crisis.
- : Evorest for Project Management and Consultancy Services, Cairo, Egypt:
 - Project Management and PMP preparation.
 - Risk Management.
- : Project Management Professional (PMP), Project Management Institute (PMI), USA.
- : Training of Trainer course (T.O.T.), Leadership Development Center (Nov./Dec. 2015).
- : Cairo Electricity Production Company (CEPC), Cairo, Egypt:
 - Hands-on training course about Protection of Electrical Power Plants (Apr. 2014).
 - Advanced training course about Current & Voltage Transformers and its Applications (Feb. 2016).
 - Quality Management Systems training course.
 - Transitioning to ISO 9001-2015.
 - ISO 9001-2015 Internal Audit.
 - 220 & 66KV GIS Substation Operation and Protection.
 - 500KV GIS Operation and Breakdown repair (by ALSTOM).
 - Bus bar protection (by SIEMENS).
 - Feeder protection (by ABB).
 - Thyripol Automatic Voltage Regulator Erection and Commissioning (SIEMENS).
 - Unit (Generator and Transformer) Protection.
 - Protection and Maintenance of Low and Medium Voltage Switchgears.
 - Training program of concentrated study of power plant equipment, system theory, and application (3 months duration).
- : At Shoubra El-Kheima Training Center: Advanced training (Bechtel course) Shoubra El-Kheima power plant basic and site specific training courses, constituting a program of concentrated study of power plant equipment and system theory and application. Training offered by Bechtel Consultant Group (from Jan. till Mar. 2009).
- : At Egyptian Syndicate Engineers: Advanced training course about Simulation of Electrical Power Systems and its Electrical Transient Investigation by MATLAB Simulink Program (Jan./Feb. 2014).
- : English: score of 500 marks in TOEFL test.
- : Participation in Activities of: Resent Trends in Energy Systems Conference (RTES), Cairo, 3 Oct. 2015.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2015 till Jan. 2019
- Employer** : Cairo Electricity Production Company (CEPC)
- Project** : Cairo West Supercritical Power Plant Project (EPC Mega Projects)
- Job title** : Senior Electrical Construction & Commissioning Engineer
- Job Description** :
 - Manage electrical installation works, site inspections, and testing and commissioning of electrical equipment, control panel, and protection systems related to the project packages to make sure that best practices are applied and match contract requirements. The project packages as follows:

- Generator, Excitation System (Doosan), Generator Circuit Breaker (ABB).
- Power transformers (TEBA) and their protection systems (Siemens).
- Medium and Low voltage switch-gear and their protection and control circuits, UPS and DC System (Schneider).
- Low and medium voltage motors (rotating machines) (KSB and Hyosung).
- Gas-insulated switchyard 500 and 220KV (Daewoo and Hyundai Consortium).
- Earthing System, Cable trays, Conduits, Construction Power System and Electric package installation, Lighting system, Low current system (CCC).
- Review and give the required approval for vendor documents.
- Review of Electrical Diagrams and schematics relevant to Commissioning documents, Modifications, red marks, and As-Built documents.
- Manage the project procedure documents such as MRR, WIR, CCC, NCR, progress reports, etc.
- Follow up the progress of commissioning works daily, weekly, and monthly.
- Manage and perform factory acceptance tests according to project specifications and standards (ANSI, IEC, IEEE) for each of the following:
 - Low and medium voltage motors at (Hyosung factory in South Korea).
 - Medium and low voltage cables at (El-Sweedy factory in Egypt).
 - Medium voltage switchgear at (Schneider factory in Egypt).
 - Siemens Protection Panels board at (MEMCO factory in Egypt).
- Performing coordination with contractors, vendors, and other stakeholders via (meetings, conference calls, and emails).
- Represent the project as a contact person with contractors of power transformers (TEBA), gas-insulated switchyard (Daewoo and Hyundai Consortium), electrical equipment installation (Siemens), and low and medium voltage switchgear (Schneider electric).
- Manage internal coordination and communication among all disciplines and teamwork.

Dates : From May 2008 till Mar. 2015

Employer : Cairo Electricity Production Company (CEPC)

Project : Giza North Combined Cycle Power Project and Cairo West Power Plant Units 5, 6, 7 and 8

Job title : Senior Electrical Testing & Commissioning Engineer

Job Description :

- Manage and perform commissioning and routine tests for various Vendors protection systems of plant's equipment such as Siemens, AREAV, Alstom, Schneider, ABB and GE.
- Manage and perform fault analysis using the relevant simulation software.
- Participate in the overall maintenance and testing for many generating units related to CEPC company during the overall shutdown.
- Manage and carry out testing of timing and contact resistance for high

- and medium voltage circuit breakers.
- Manage the external coordination and communication among the plant and the dispatch in order to coordinate the shutdown plans for plant and feeders to perform the maintenance and routine tests.
- Manage and carry out routine tests and maintenance for the protection and measuring systems which installed in 500KV Switchgear and Gas Insulated Substation (220 / 66 / 11KV) inside Cairo West Power Plant and other power plants related to the Cairo Electricity Production Company.
- Participate with ALSTOM company for installing and commissioning of control and protection circuits related to 220KV and 500KV GIS switchgear for Giza North combined cycle power project (3x750MW) and extension works for Cairo West Power Plant (4x350MW), and Distribution Transformer (40 MVA, 66/11KV) for Cairo West Substation 220/66/11KV.
- Participate with SIEMENS company for installing and commissioning of 66 and 220KV Busbar Protection Upgrading for Cairo West Substation 220/66/11KV, and THYRIPOL Static Excitation System related to units 5 and 6 of Cairo West Power Plant (MCR: 2x357MW).
- Participate in a root cause failure analysis for many system failures occurred.
- Prepare and instruct the electrical testing and protection courses at Cairo West Power Plant Training Center, which serve 9 power plants related to Cairo Electricity Production Company.

Dates : From Sep. 2006 till Apr. 2008
Employer : Tiba Company for Trading & Contracting
Job title : Electrical Commissioning Engineer
Job Description : Electrical commissioning test for low and medium voltage equipment related to power plants.

Dates : From Mar. 2013 till now
Employer : Siemens, Saudi Arabia
Job title : Senior Technical Trainer (Freelancer Trainer)
Job Description :

- Design, evaluate, and instruct electrical training courses for ISCOA Industries and Maintenance Company (a Siemens Company in Saudi Arabia) and conduct training courses as a Siemens' representative to many customers in different locations in Saudi Arabia such as Aramco, Yanbu Aramco Sinopec Refining Company (YASREF), Saudi Electricity Company, Sabic Company, Saudi Cement Company and Al-Yamama Cement Company.
- Design and develop a classroom and practical training and related environments.
- Design and perform an on-job training (OJT) and related theoretical knowledge of the electrical systems.

Field of experience :

- Generator, transformer, low and medium voltage motors, low and medium voltage switchgear, ups and dc system, protection, IEC 61850, substation automation system, power generating plants, inspection, factory acceptance test, construction, testing and commissioning, maintenance, project management, TOT, and classroom and on-job

training.

- Achievements:

- Manage and perform successful offshore factory acceptance tests (FAT) in South Korea for electrical equipment relevant to Cairo West Power Plant Project 650MW.
- Achieve successful negotiation with bidders of the Cairo West power plant project packages.
- Delegated from CEPC Headquarter to Manage and support the rehabilitation and start-up works of the second module of Cairo North Power Plant, combined cycle gas turbine power plant (2x750MW). The results from this delegation are saving 50 % of the cost and time requested by Alstom, a France company, to do those works.
- Delegated from CEPC Headquarter to support commissioning works of Giza North Power Plant Project (3x750MW) using CEPC's resources in order to save 100% of the cost requested by vendors.
- Achieve successful coaching for 23 Engineers, teamwork of the Cairo West Power Plant Project.
- Delegated from CEPC Head quarter to do a technical audit of the maintenance plans and protection tests of electrical equipment in all power plants (9 power plants) related to the Cairo Electricity Production Company (CEPC).
- Proposed a lot of practical researches to enhance the performance of the power plants.
- Represented the Cairo Electricity Production Company (CEPC) in the Emirates Energy Award (Mar. 2017) to introduce my research paper regarding the development of the power system.
- Delegated to participate in higher committee related to the Ministry of Electricity and Renewable Energy of Egypt for preparing and updating the technical materials related to all electrical training courses to be conducted in all electricity production companies inside Egypt.