

Holds B. Sc. and M. Sc. in Electrical Power & Machines Engineering and has more than 10 years of experience in power station. He can test and supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military or scientific use.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/03/1984
Gender : Male
Residence : Currently KSA

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2006
: M. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2013

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: ETAP
: Matlab
: Comsol

TRAINING COURSES AND CERTIFICATIONS

: Computer Simulation using MATLAB, Cairo University (2004).
: Programming of Motorola microcontroller using assembly language, Self training (2005).
: Study of power system using ETAP, Self training (2007).
: Bechtel training course in electric power stations (from Nov. 2007 till Jan. 2008).
: Safety training program (ES&H), Class room, PGESCO (2010).
: Operation and maintenance of Rectifiers and Inverters of JEMA, JEMA GRUPO (2010).

- : Generator systems (control, excitation, protection and auxiliaries) maintenance training course, MITSUBISHI HEAVY INDUSTRIES LTD (from Apr. till Jun. 2010).
- : Maintenance Training for Gas & Oil Fired Boiler and its Auxiliaries, Hitachi Ltd (2010).
- : Motors Control using Contactors, PPTC (2011).
- : SIEMENS Programmable Logic Control (PLC), PPTC (2012).
- : Earthing & Protection against lightning Systems, PPTC (2012).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2013 till now
- Employer** : Saudi Electricity Company (SEC)
- Job title** : Electrical Engineer
- Job Description** :
- Training high-school and technical college graduates to work as power plant electrician, power system and control technician, substation electrician and network operator technician. The training program period is one year and more than 60% of it is a Hands-on training. The training objectives includes equipment operation, testing and maintenance.
 - Member of a team under leadership of SAUDI ARAMCO to:
 - Effectively accomplish the development of National Occupational Skills Standards & Qualifications (NOSS) for all National Power Academy (NPA) electrical trades.
 - Develop the scope of work for all potential International Training Providers (ITP) to successfully operate the NPA.
 - Review of electrical training programs.
 - Development of training equipment list, hand tools, instruments, etc. for electrical workshops and labs.

- Dates** : From Sep. 2011 till Aug. 2013
- Employer** : Cairo Electricity Production Company
- Project** : Cairo North Power Station
- Job title** : Electrical and I&C Maintenance Engineer
- Job Description** :
- Supervising the operation of electrical equipment of Mitsubishi gas turbine (250MW), Hitachi steam turbine (250MW), Inverter, UPS, DC & Battery chargers systems and water treatment system.
 - Supervising the operation of the auxiliaries' of the generators.
 - Troubleshooting and fault analysis of any faulty equipment.
 - Performing the preventive and corrective maintenance of the electrical equipment
 - Supervising the two steam turbines control systems speed tronic (Mark VI) for HITACHI steam turbine and Alstom Controcad for ALSTOM steam turbine.
 - Trouble shooting and Root Cause analysis of any faulty equipment.
 - Fixing or replacing of any faulty component TCs, cards, power supply and field devices.

Dates : From Nov. 2008 till Aug. 2011
Employer : Cairo Electricity Production Company
Project : Cairo West Power Plant extension project (units 7 & 8) 2x350MW
Job title : Electrical Installation Engineer
Job Description :

- Studying the consultant tenders, contractors bids, drawings review and attending the pre-award meeting with the consultant and the contractor.
- Supervise the erection, testing and commissioning.
- Spare parts strategy for various electrical equipment including generator systems (Mitsubishi 350MW), Excitation system, Seal oil system, H2- system, Bridge Crane, MCC (ABB), Load Centers (ABB) and Switchgear.

Dates : From Dec. 2007 till Nov. 2008
Employer : Cairo Electricity Production Company
Project : Cairo West Power Plant
Job title : Operation Engineer (units 5 & 6) 2x330MW
Job Description :

- Keep the power station in proper operating conditions.
- Follow up the manufacturer instructions for normal operation, start-up and shut down of the units.
- Insulate any faulty equipment for maintenance.

Dates : From Mar. 2007 till Nov. 2007
Employer : North Cairo Electric Distribution Co. (Dept. of studies & planning)
Job title : Inspection Engineer
Job Description : Inspection and testing of electrical equipment before installation such as (cables, medium and low voltage panels, distributors, etc.).

Dates : From Sep. 2006 till Feb. 2007
Employer : EMEC (Electro Mechanical Contractors)
Job Description :

- Studying and analysis of electrical systems using computer simulation programs such as ETAB.
- Systems under study may be large power networks (generation, transmission and distribution) or ordinary small distribution systems such as hotels, industrial systems, etc.

Publications:

- Hamdy S. K. El-Goharey, Hany M. Hasaniien and Ibrahim Mohamed Ibrahim, "Design and Analysis of Axial Flux Permanent Magnet (AFPM) Machine", 15th International Middle East Power Systems Conference (MEPCON'12), Alexandria University, Egypt, December 23-25, 2012, Paper ID 186.
- Ibrahim Mohamed Ibrahim, "Analysis, Performance and Control of Axial Flux Permanent Magnet Brushless Machines", M.Sc. Thesis, Faculty of Engineering, Ain Shams University, Feb. 2013.