

Electrical General Manager (Maintenance & Installation Dept.)

Holds B. Sc. in Electrical Power & Machines Engineering and Master degree in Electrical Power Generation & Utilization. Has about 18 years hands-on experience in working electrical power field in several international projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/04/1977
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2000
: Master degree in Electrical Power Generation & Utilization, Cairo University, 2015

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Fortran power station
: Basic and Q-basic
: Assembly language
: Visual Basic
: Electrical programs such as EWB (electronic work bench), PLC simulators, Microprocessor 8051 software, etc.

TRAINING COURSES AND CERTIFICATIONS

: Training course in Cairo Electricity Production Company - Power Plant Training Center, the training course covered the ROOT CAUSE FAILURE ANALYSIS by APEX Training Company (Oct. 2017).
: Training course in HHI (HYUNDAI HEAVY INDUSTRY) ULSAN, KOREA: The training course covered the POWER TRANSFORMER operation, construction, inspection and maintenance (two weeks) and GAS ISOLATED SWITCHGEAR operation, construction, inspection and maintenance (two weeks) (Feb./Mar. 2016).

- : Training course of leadership development in MINISTRY OF ELECTRICITY: The course included effective communication, effective management, change management, Strategic plan, project management, root cause analysis, process analysis, financial management and management and motivation (from Nov. 2014 till Jun. 2015).
- : Academic test in English TOEFL in 2012.
- : Training course in HYOSUNG CORPORATION SEOUL, KOREA: The training course covered the POWER TRANSFORMER operation, construction, inspection and maintenance (four weeks) (Oct./Nov. 2009).
- : Programming by Visual Basic and programming language ver.6, training course in Cairo West Power Plant Training Center (Feb. 2007).
- : Programming of the PLC by ladder and instruction list, the most real life applications, how to deal with the hand held programming unit and how to think and solve the industrial control problems, training course in North Cairo Electrical Power Plant Training Center (Aug. 2004).
- : Current transformer and voltage transformer principles, operation and applications, training course in South Cairo Electrical Power Networking Center (Mar./Apr. 2002).
- : Training course in all electrical systems (UPS, generator, inverter, MV, LV switchgears, motors, etc.), electronic systems, mechanical equipments (boiler, turbine, pumps, valves, etc.) and chemical processes in water treatment, Shoubra El-Kheima Power Plant by Bechtel Company (from Jan. till May 2001).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2015 till now
Project : Giza North Power Plant
Job title : Electrical General Manager in electrical maintenance and installation department

Dates : From Dec. 2000 till Sep. 2015
Project : Cairo West Power Plant
Job title : Senior Electrical Engineer & Deputy Site Manager
Job Description :

- Follow up all medium and low voltage switchgear.
- All electrical equipments in water treatment process.
- All electrical tests of all electrical equipments in all of the power plants in Cairo Electricity Production Co.
- Inspection and maintenance operation on the digital exciter on the Cairo West Power Plant.
- Inspection, commissioning and maintenance work on the generator and all daily check on the generator includes brush check and changing, inspection on the exciter system, reporting some data on the operation of the generator.
- All electrical tests on the generator, includes winding resistance test, megger test, DC insulation test, dissipation factor ($\tan\delta$) and leak test inspection with special tools.
- Maintenance and inspection work on the PLC.
- Maintenance work on the motor control center (MCC) and AC & DC drive.

- Maintenance work on the main, auxiliary and start-up transformer in Cairo West Power Plant.
- Maintenance and inspection on the control systems in the power plant.
- Commissioning of the generator, transformers, switchgear, control boards and circuit breakers.

Dates : From Oct. 2000 till Dec. 2000
Employer : Food Industries Company (6th October)
Job Description : Maintenance of the electronic automatic control system in the production machine with PLC.

Further experiences :

- SIEMENS, NUERNBERG – GERMANY: making inspection, commissioning and testing unit 5 and unit 6's digital exciter (Jan. 2012).
- PEMCO-ALSTOM, SHOIBA Power Plant (1x400MW) – KSA (Nov./Dec. 2010):
 - Leading several groups of technicians that covered all generator, low & medium voltage CBs and transformers along with all related equipments such as motors, MOVs, exciters, etc.
 - Responsible for carrying out all needed tests such as contact resistance, battery load tests, meggering as needed by customer's work scope.
- ALSTOM, Shoiba Power Plant (3x400MW) – KSA (from Jan. 2009 till Apr. 2009):
 - Leading several groups of technicians that covered all low & medium voltage CBs & transformers along with all related equipments such as motors, MOVs, exciters, etc.
 - Responsible for carrying out all needed tests such as contact resistance, battery load tests, meggering as needed by customer's work scope.

Training experiences :

- Working as an Instructor Engineer in Cairo West Power Plant Training Center. Training courses on the digital exciter and PLC (programmable logic controller), UPS (un-interrupted power supply), digital science, medium and low voltage switchgear, transformers and other control courses.
- Teaching some lectures in Cairo University for the master degree students on the thyristor operation and firing, also a lecture on the battery types and operations.
- Working as an Instructor Engineer in SIEMENS Training Center in Dammam - Saudi Arabia. The courses were:
 - PLC operation and maintenance (Mar. 19-23, 2005).
 - OJT in Saudi Cement Co. (Mar. 25 till Apr. 13, 2005).
 - Digital exciter operation and maintenance (May 14-25 & Jul. 1-7, 2005).
 - Operation and maintenance of distribution network (Mar. 18-22, 2006).
 - Distribution system design and planning (Mar. 25-29, 2006).
 - Maintenance of electrical equipments (May 19-23, 2007).
 - Power factor correction (May 26-30, 2007).
- Working as an Instructor Engineer in PCT Training Center. The courses were:
 - UPS maintenance and troubleshooting.

- Switchgear maintenance and operation.
- Working as an Instructor Engineer in GESCO in Bengasi – LYBIA. The conducting course was in the electrical power station equipments.