

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 11 years hands-on experience, including 10 years working in maintenance field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/10/1982
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2006

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Matlab M-file and Simulation
: AutoCAD
: Ecodial

TRAINING COURSES AND CERTIFICATIONS

: Trainings at:

- Abu Qir Company for Electricity Generation (2004).
- Alexandria Electricity Distribution Company (2004).
- Transportation and Engineering Co. (2003).
- Training in the Faculty (2002).

: PLC (Practical training course in the Faculty of Engineering - Alexandria University).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2007 till now
Employer : Egyptian Petrochemicals Company (EPC)

Job title : Electrical Maintenance Engineer

Job Description :

- Responsible for preventive and corrective maintenance for the power plant electrical equipment and its auxiliaries.
- EPC has three power plants:
 - Gas Turbine type GT9 with base load 27MW manufactured by BBC.
 - Gas Turbine type GT8C with base load 46MW manufactured by ABB.
 - Steam turbine type DK-m 045 with base load 36MW manufactured by BBC.
- Familiar with maintenance of the following
 - Large generators inspection: Responsible for saving the required materials to perform the inspections on the generators and perform the required maintenance works and tests with coordination of supervisor engineer from ALSTOM.
 - M.V switchgear: EPC has switchgear consists of 84 cubicle manufactured by BBC also has another switchgear consists of 25 cubicle manufactured by Schneider so familiar with CB specifications, maintenance and how to understand and to design control circuit for any switchgear.
 - Low voltage switchgear: Familiar with MCC fixed and withdrawable type, Air CB, MCCB and MCB with its control circuit and structure philosophy.
 - DC systems: Familiar with work and maintenance of UPS, Battery Charger and DC to Dc Converters.
 - Transformers and Motors: Low voltage and medium voltage motors AC and DC, distribution and power transformers up to 65MVA.
 - Other related works to power plants: AVR (Automatic Voltage Regulator), SFC (Static Frequency Converter), Synchronizing system, (standby diesel generators), protection relays....etc.
 - Upgrading AVR of GT9 also and Steam turbine generators. Was responsible for:
 - Full electrical engineering with the manufacturer.
 - Disassemble, disconnecting and marking old wires from old AVR.
 - Assembly, connecting new wires, makes modification in Turbine control circuit to match the new unit.
 - Finally start-up and commissioning (programming only) was done by specialist from ABB Switzerland.
 - Upgrading H.V SWG: Adding new panel with C.B 4000A, 11KV with its control circuit and Duresca busbar and connect it to the old system and old synchronization system to increase reliability of the power station. Also familiar with starting up and running the mentioned gas turbine (GT9 and GT8C), Waste Heat Boiler (Sulzer and CMI), Steam turbine, Water steam cycle, HV SWG to feed the companies by the required power and all auxiliaries, also we have the availability to feed EPC utilities by LP process steam and Sidpec utilities by HP process steam.

Dates : From Jul. 2011 till Feb. 2012

Employer : BURULLUS GAS COMPANY

- Project** : WDDM PHASE VII MAIN COMPRESSION PROJECT
The project consists of five turbo-compressors GE Nouvo Pignone machine PGT-25 "LM2500+", three turbo- generators Siemens machine SGT-300 for power generation and M.V SWG manufactured by Schneider Electric.
- Job title** : Commissioning Electrical Engineer under Egyptian Maintenance Company (EMC)
- Job Description** : Familiar with commissioning procedure for electrical equipment: Generator, Motors, panels, Transformers, MV panels, LV panels, MCC, Cables, Batteries, DC/UPS, Battery chargers, Lighting system, protection relays.....etc.
- Dates** : From Feb. 2007 till Sep. 2007
- Employer** : Gharably Engineering Company (large scale contracting company specialist in establishing turn key projects)
- Job title** : Technical Office Electrical Engineer
- Job Description** :
 - Responsible for studying and pricing of all tenders for all electrical works to establish large scale factories.
 - Medium voltage works:
 - Distribution transformers.
 - Main distributor and RMUs.
 - Medium voltage cables.
 - Low voltage works:
 - Main and distribution low voltage power panels.
 - Control panels (emergency panels and motor control center Panels).
 - Low voltage and control cables.
 - Control system works: PLC & SCADA system.
 - Low current works:
 - Fire alarm system.
 - CCTV system.
 - Sound system.
 - Telephone system.
 - Data network system.
 - Also responsible for negotiation with suppliers to obtain the required specifications with optimum prices.
- Dates** : From Jul. 2006 till Jan. 2007
- Employer** : Deeb Engineering Company (panel builder partner to Schneider Electric)
- Job title** : Technical Office Electrical Engineer
- Job Description** :
 - Responsible for studying, designing, pricing and making shop drawing for all electrical low voltage panels (power and control) Power panels up to 6300A, control panels (motor control center, ATS, 2 out of 3, 3 out 4 ...etc.).
 - Familiar with technical specifications of Schneider low voltage components (circuit breakers, Contactors, Motor breakers, Soft starter, variable speed drives ...etc.).
- Further experiences** : Was a member of group - during the period which the project was under responsibility of EPC - in the team who was responsible for establishing new power station in EPC consists of gas turbines 70MW with backup power from the national network 2 x 125MVA, 220/66/11KV power transformers

with substation and all auxiliaries to feed Ethydco Company by electrical power.