

<b>100297-ELE-MS-E-2001</b> <b>Electrical Commissioning &amp; Maintenance Engineer</b>
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Holds a B. Sc. in Electrical Power Engineering and has about 10 years experience in commissioning, start-up, maintenance, operation and testing of power plants and substations.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 15/02/1975  
Marital Status : Married

## EDUCATION

: B. Sc. in Electrical Power Engineering, Al-Azhar University, 2001

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Motorize valves and motors maintenance training with Alstom for 30 days in Indonesia.
- : Water treatment motors maintenance training with Mitito Company.
- : Steam turbine generator operation and maintenance.
- : Steam Turbine Speed Tonic Mark V control training with GE.
- : Generator control and excitation training with SIEMENS and Mitsubishi.
- : General maintenance for MV switchgears (6.3KV) training with Schneider Electric.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2010 till now  
**Employer** : EGYPTROL (Commissioning Contractor for Toshiba PSC)  
**Project** : Sidi Krir 750MW Power Plant  
**Job title** : I&C Commissioning Engineer  
**Job Description** :

- CP-117 Contract Electrical Commissioning Engineer.
- CP-117 Contract Electrical Operation Engineer.
- CP-117 and C-118 Contracts Instrumentations Commissioning Engineer.

- Dates** : From Jan. 2009 till Dec. 2009
- Employer** : Mesaieed Power Company Ltd. – Qatar  
Mesaieed Power Company Ltd. is Qatari Company for energy production with total power of 2250MW.
- Project** : The power plant is consisting of 6 gas turbine generators (GE) with total power of 1500MW and 3 steam turbine generators (GE) with total power of 750MW. In addition to 2 black starting generators (40MW/unit). Mesaieed Power Company's GIS is 400KV.
- Job title** : Commissioning Engineer
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- Dates** : From Sep. 2004 till Nov. 2008
- Employer** : Middle Delta Electricity Production Company
- Project** : Nubaria Power Plant 3x750MW  
Consist of:
- 2 Modules each Module consists of 2 Gas Turbine (2x250MW) Model V94.3A Heavy Duty (Siemens Germany) & 2 Heat Recovery Steam Generators (HRSG, Alstom, France) & One Steam Turbine 250MW (Mitsubishi, Japan).
  - Switch yard:
    - 6 Main Transformers 500/16.5KV.
    - 4 Tie Transformers 500/220KV.
    - 8 Feeders 220KV.
    - 2 feeders 500KV.
- Job title** : Director of Electrical Maintenance Department
- Job Description** : Lead and coordinate company's commissioning and maintenance activities.
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- Dates** : From Dec. 2001 till Sep. 2004
- Employer** : Middle Delta Electricity Production Company
- Project** : Damanhour Combined Cycle Power Station (150MW)  
Consist of:
- 2 Modules each Module have 4 Gas Turbine (4x25MW), (G.E GENERAL ELECTRICAL FRAM 5 MK 2), & 4 HRSG (from NEM Company Netherland) & its auxiliaries (from Cimi-montubi Italy) & One Steam Turbine (50MW GE GENERAL ELECTRICAL MK5 DCS CONTROL) at West Delta Electricity Company – Egyptian Electricity Authority.  
4x50MW ROLLS ROYCE units.
- Switch yard:
- 8 Main Transformers 220/11KV.
  - 6 Feeders 220KV.
  - 2 Transformers 220/66/11KV.
- Job title** : Electrical Maintenance Engineer
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- Field of experience** :
- Testing and commissioning of generator's stators and rotors.
  - Testing and commissioning of generators starting and excitation.
  - Testing and commissioning of generators PDA.
  - Testing and commissioning of UPS and DC circuits.
  - Testing and commissioning of MV cables and motors.

- Testing and commissioning of excitation transformers and insulation transformers.
- Revision control circuit, interlocks and installation for the following:
  - 220-400-500KV switchyards either GIS or open door switchyards.
  - MV, HV and HV circuit breakers.
  - All types of power transformers.
- Review and modify of an internal and external designs for electrical drawings.
- Doing all electrical maintenance for generators, generators auxiliaries, transformers, motors, cables, CBs and UPSs.
- Several tests:
  - Transformers commissioning tests (Tan  $\delta$  test, insulation (megger) test, DC resistance).
  - Transformers mechanical protection relays tests (Buchholz relay, pressure relief device, rapid pressure device).
  - CBs tests (Timing test, DC resistance, high voltage test for 500KV CB's, megger test, SF6 dew point, trip and alarm SF6 values).
  - CTs tests (insulation (megger) test, turns ratio, magnetizing test, polarity test).
  - VTs tests (turns ratio, insulation (megger) test).
  - Disconnecting switches tests (timing and contact resistance test).