

**101637-ELE-1MPST-E-2006**  
**Electrical Protection & Commissioning Engineer**

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 12 years hands-on experience working in the field of electrical protection, testing, commissioning and maintenance.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 21/10/1984  
Gender : Male  
Marital Status : Married  
Residence : Giza, Cairo

## EDUCATION

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

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Maintenance training for HRSG (off-shore) in BELGIUM (4 weeks in May 2009).
- : Training program as Protection Maintenance Engineer (from Oct. 2006 till Jan. 2007) at El-Kureimat I (2x650MW) Steam Power Plant & Combined Cycle:
  - Digital Protection relays commissioning and troubleshooting.
  - Generators maintenance.
  - Transformers maintenance.
  - Switchgear maintenance (MV switchgear, power center, Motor control center (MCC).
- : GE maintenance training in electrical and I&C and mechanics (3 weeks in Jul. 2008).
- : Study for measuring transformers in Network Training Center (2 weeks in Nov. 2008).
- : Basics of electric protection in Network Training Center (10 days in Jan. 2009).
- : Advanced training for network protection systems in Electric Power Systems Engineering Company (5 days in Oct. 2009).

- : ALSTOM training for EXCITATION and protection system (3 days in May 2010).
- : During education:
  - Basic course of the Operation of Steam Power Stations, in El-Kureimat Power Station.
  - Basic course of the Operation of Combined Cycle Power Plant, Siemens gas Turbine V94.3A Ecnopac.
  - Extra High Voltage Training Center.
  - Electrical Network Training Center.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2010 till now
- Job Description** :
- Electrical Protection and Maintenance Engineer for Combined Cycle Power Plant (750MW), consist of:
    - Two GE gas turbine maintenance and protection system and troubleshooting (ENERVISTA RELARS).
    - Two SIEMENS gas turbine maintenance and protection system and troubleshooting (SIPROTEC RELAYS such as 7UM622 & 7UT612 and 7UT612AND 7SJ612).
    - ALSTOM steam turbine maintenance and protection system and troubleshooting (AREVA relays).
    - HITACHI steam turbine maintenance and protection system and troubleshooting (BECKWITH RELARS).
    - SIEMENS GIS 220KV (7SA612 & 7SA522 & 7SS522 and 7VK612).
  - UEEPC Representative for first energize for 500KV GIS IN BENI SUEF Power Station.
  - SIEMENS (ISCOSA) Protection and Maintenance INSTRUCTOR in KSA for companies (13 weeks):
    - RAWEC Company (Petrorabigh).
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    - Saudi Electricity Company.
    - SABEC Company.
    - Naseriya Company.
    - QP Company.
    - GIIC Company.
  - Protection Commissioning Engineer in South Helwan Project with SIAC Company.
  - Commissioning Engineer in EL AIN SOKHNA Power Plant with DOOSAN Company.
  - Owner Representative in Beni Suef 4800MW for GIS Commissioning Tests.
  - Siemens Commissioning Protection Engineer in New Capital 4800MW for Two UNITS.
- Dates** : From Feb. 2007 till 2010
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Job title** : Electrical Protection, Commissioning & Start-up Engineer
- Job Description** :
- UEEPC Representative, responsible for commissioning for 750MW Power Plant, electrical works in:
    - Protective relays for 9FA GE CTG (G60 & T60 & C60 & L90 & T35 &

separately).

- Protective relays for ALSTOM STG (AREVA MICOM's P343 & P632 & P120 & P121).
- Battery chargers & batteries, UPS.
- Electrical Generators GE (339MVA, 15.75KV, 0.85 p.f.) and auxiliaries and protection schemes and interlocks.
- Electrical Generators ALSTOM (339MVA, 19KV, 0.85 p.f.) and auxiliaries and protection schemes and interlocks.
- EXCITATION (EX2100) & LCI LS2100 & ALSTOM EX P320.
- Generator Circuit Breakers (16.5KV, 10.5KA, 100KA, ABB).
- Main step up transformers 15.75/220KV, 333MVA Off LTC).
- Auxiliary transformer 15.75/6.3/6.3KV, 32KV, OLTC.
- MV 6.3KV Switchgear and LV .4KV Switchgear.
- Responsible for electrical drawings review and approval according to the contract specification requirements.
- Responsible for factory inspection of load center's & MCC's and 6.3 switchgear.