

103923-ELE-1MPT-E-2009
Testing, Protection & Maintenance Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 10 years hands-on experience working in testing, protection and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/02/1988
Gender : Male
Marital Status : Single
Residence : Suez

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, El-Shorouk Academy, 2009

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: PLC program
: AutoCAD
: Relux
: Matlab
: Ecodial
: ETAP
: Visual Basic
: C programming
: SIEMENS DIGSI, MICOM S1 STUDIO, MICOM S1 AGIL, EnerVista

TRAINING COURSES AND CERTIFICATIONS

: At Cairo North S/S Training Centre:
• Electrical Tests on Power Transformers (Megger, DC Resistance, Turns Ratio and $\tan\delta$).
• Protection devices on various apparatus included in EHV Levels 500/220/66/20/11KV (Power Transformers, Transmission Lines, Under Ground Cables).

- : Protection of transformers (in Ministry of Electricity) (Jan. 2010).
- : Protection of high voltage line (in Ministry of Electricity) (2011).
- : Protection course level 2 (in Ministry of Electricity) (2012).
- : Protection course level 1 (in Ministry of Electricity) (2012).
- : Participated in TAEAN SIMULATOR OPERATION COURSE at Korea Western Power under supervision DOOSAN Heavy Industry & Construction Company off-shore training in Korea (Mar. 2011).
- : Take maintenance training in Korea Power Learning Institute under supervision DOOSAN Heavy Industry & Construction Company off-shore training in South Korea (Apr. 2011).
- : Take training in Operation training program of Steam Turbine Generator & Auxiliaries at Hitachi Ltd. Power Systems Company in Japan (Jan. 2013).
- : Take program on Thermal Power Plant Operation Training Program at Bangkok, Thailand under supervision of Hitachi Ltd. Power Systems Company (Feb. 2013).
- : Trainings at:
 - Panasonic Company (plc1, plc2) (Jul./Aug. 2008)
 - Power Station of Ataka (Aug./Sep. 2008)
 - Doosan Heavy Industrial Company (Oct./Nov. 2011)
 - Bechtel Company (Apr./May 2012)
 - Hitachi Company (Jan./Feb. 2013)
- : Summer training at EDF (Electricité De France), Suez Gulf Steam Power Plant (682MW) (2006).
- : On-shore trainings at EGYMAC & DOOSAN & HITACHI & VEOLIA & HYOSSUNG & XD CHINA.
- : IC DL (Windows & Office Int. Certificate).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2011 till now
- Employer** : East Delta Electricity Production Company (EDEPC)
- Project** : EL AIN EL SOKHNA Supercritical Thermal Power Plant:
 - Two units which are supercritical 2x650MW gas and heavy oil fired.
 - One GIS system 500KV made by XD China.
 - Two turbines made by HITACHI.
- Job title** : Power System Testing & Protection Engineer / Maintenance Engineer
- Job Description** :
 - Supervisor Engineer for construction during installation and that for GIS & Generator & protection & SWGR.
 - Start-up and Commissioning Engineer for GIS & Generator & protection & SWGR.
 - Electrical Maintenance and Protection Engineer for GIS & Generator & Water treatment system & all electrical system.
 - Insure safe, efficient and economical running of the unit.
 - Perform the technical analysis of the defects.
 - Follow and manage the field activities through the field engineers.
 - Prepare for the critical maintenance jobs.
 - Make periodical maintenance and predictive maintenance.

Dates : From Jan. 2010 till Jan. 2011
Employer : East Delta Electricity Production Company (EDEPC)
Project : Ayoun Mousa Power Station:

- Two units which are subcritical 2x320MW gas and heavy oil fired.
- Two GIS system 220KV & 500KV made by ALSTOM.
- Two turbines made by SIEMENS.

Job title : Power System Testing & Protection Engineer
Job Description :

- Electrical Engineer for protection systems and GIS.
- Insure safe, efficient and economical running of the unit.
- Perform the technical analysis of the defects.
- Follow and manage the field activities through the field engineers.
- Prepare and make for the critical maintenance jobs.
- Make periodical maintenance and predictive maintenance.

Dates : From Jul. 2009 till Dec. 2009
Employer : CHINA EGYPTIAN for HV cables
Job title : Electrical Maintenance & Production Engineer
Job Description :

- Witness the installation, testing and commissioning activities related to protection, DC & Fault Recorder carried out by the contractor for substation of 400/132, 132/11KV.
- Supervision of commissioning activities such as: DC Scheme Checks, Trip Circuit Supervision Certification, Current Transformer test by secondary injection, Voltage transformer test by secondary injection, CT Circuit verification primary injection.
- Review the as built drawing received from contractor and prepare comments as per defined timelines.
- Follow and adhere to the OH&S Management system Manual as per company safety and policy.

Field of experience : Proficient or familiar with a vast array of construction, commissioning and maintenance in power plants, including:

- GIS maintenance and protection and SCS.
- Switchgear, protection and programming EMCS.
- Generators (Excitation and AVR), Transformers (HV, MV), Motors (LV & MV).
- Maintenance, Troubleshooting, Protection.
- DCS, Instrumentation, PLC.
- Fire Fighting techniques and equipments.
- Water treatment and desalting and HYPO maintenance.