

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 9 years hands-on experience working as DCS / GIS Operation Engineer.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 17/02/1989  
Gender : Male  
Marital Status : Married  
Residence : Suez

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, El-Shorouk Academy, 2010

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Maintenance of Steam Turbine Generator, condensers and Auxiliaries project in Hitachi Company in Japan & in Electricity Generating Authority of Thailand (EGAT) in Thailand (1 month).
- : Operation, Protection & Maintenance of the 500KV GIS in XD EGEMAC Company in China (1 month).
- : BECHTEL Basic & Advanced Training courses about Thermal Power Plants.
- : CHINA XIAN ELECTRIC GROUP Training about GIS (Gas Insulated Switchyard) 500KV.
- : ELECTRO THARWAT Company Training about Protection Relays.
- : Doosan Company Training about Supercritical Boilers.
- : Hyosung Company Training about Power Transformers.
- : EGEMAC Training about MV Switchgear, MCC, Load center and EMCS.
- : Ataka Power Station Training Center:
  - Introduction to Thermal Power Plant.
  - Chemical Water Treatment.

- Control & Measurement Instruments.
  - Electrical Protection.
- : Trainings at:
- Suez Oil Processing Co. (Aug. 2007).
  - Ayoun Moussa Thermal Power Plant (Aug. 2008).
  - Attaka Thermal Power Plant (Jul. 2009).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Nov. 2011 till now  
**Employer** : East Delta Electricity Production Company (EDEPC)  
**Project** : EL AIN EL SOKHNA SUPERCRITICAL THERMAL POWER PLANT (1300MW)  
**Job Description** :

- DCS Operation Engineer (from Sep. 2013 till now).
- GIS Operation Engineer (500KV DCS System by GE) (from Feb. 2013 till Sep. 2013).
- Electrical Engineer of installation, test and commissioning of (GIS - MEDIUM VOLTAGE SWITCHGEAR - LOAD CENTER - MCC) (from Feb. 2012 till Feb. 2013).

**Dates** : From Apr. 2011 till Nov. 2011  
**Employer** : Egyptian Electricity Transmission Company (EETC)  
**Project** : Suez Cement Substation 220KV  
**Job title** : GIS Operation Engineer

**Field of experience** :

- Operation Engineer, Start-up and Shutdown of boiler in DCS - Inspect the unit's and it's auxiliaries, electrical, mechanical, control and instrumentation equipment condition prior to start-up, during operation and after shutdown.
- Record all plant/auxiliaries operating data, including all alarms and protective devices being actuated and reports any deviation to the Shift Charge Engineer necessary action.
- Monitor operation of auxiliaries such as the plant switchgear and performs corresponding switching schedule as directed by the Shift Charge Engineer.
- Able to operate plant common auxiliaries such as auxiliary boiler, emergency diesel, dematerialized water plant, desalinated water plant and chlorination plant.
- Responsible for raising fault notification on equipments vital to the continuous operation of the plant.
- Perform other related duties as may be assigned by immediate superior from time to time.
- Member of emergency response team.
- Attend required and non-required training for regulatory compliance as well as personal development.
- Able to perform equipments testing with maintenance crew after defects rectification.
- Have to manage and coordinates the fuel unloading process with logistic workers and security team.

- Control Room (DCS) Process Engineer:
  - Start-up, shut down & safe operation for main boiler and its auxiliaries including: natural gas firing, mazout firing, start-up of aux, boiler, preparation of reboiler system, soot blowing system & chemical cleaning.
  - Start-up, shut-down & safe operation for main turbine (SIEMENS) and its auxiliaries including: lube & control oil system, seal oil & seal steams, condenser vacuum & evacuation systems generator cooling & filling systems, turbine extraction & drains.
  - Start-up, shut down & safe operation for the auxiliaries systems including: feed water system using variable speed turbine driven feed water pumps, condensate water system, closed cooling systems, service water system, circulating water system, compressed air system, and Hydrogen plant.
  - Monitor the operating conditions of the power plant systems, record findings and readings.
  - Direct field operator to assist the Shift Supervisor in the safe operation of the facility.
  - Perform inspection of plant equipment, systems and facilities.
  - Responsible for operating plant controls to minimize or eliminate forced outages, curtailments and de-rates.
  - Support and preserve the best thermal performance of the unit.
  - Maintain the unit in compliance with all emissions limitations in accordance with the environmental permits and informs the shift Supervisor if a limit is exceeded.
  - Operate the unit in an efficient manner that will help with Maintaining the heat rate and availability.