

Holds a B. Sc. in Electrical Power Engineering and has about 12 years hands-on experience in operation, maintenance, construction and I&C field in several Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 22/11/1978  
Gender : Male  
Marital Status : Married  
Residence : Damanhour, El-Behira

## EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University, 2000

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Certificate in System Analysis and Design, course moderated by NCC International Company and given by ICL Egypt, Feb. 2003.
- : Training at Central of Damanhour (communication).
- : Training at Damanhour Power Station (HVAC transmission lines & stations).
- : Training at Transport & Engineering Company (TRANCO) - PLC & control systems.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2011 till now  
**Employer** : West Delta for Electrical Production Company (WDEPC)  
**Project** : Damanhour Thermal Power Station (300MW unit)  
**Job title** : I&C Engineer  
**Job Description** :

- Supervision for I&C rehabilitation activities which done by ABB to unit in period started from Nov. 2011.

- This rehabilitation includes:
  - Changing DCS from Baily 90 to ABB Harmony system.
  - Changing actuators in field from penumatic control actuator to smart actuator.
  - Changing turbine supervisory system.
  - Change field transmitter to smart transmitters.

**Dates** : From Nov. 2010 till Jul. 2011  
**Employer** : ANSALDO ENERGIA  
**Project** : El-Atf Site  
**Job title** : Electrical Site Engineer  
**Job Description** : Perform electrical activities in 250MW combined steam unit at El-Atf project according to specification and project drawings.

**Dates** : From Mar. 2009 till Nov. 2010  
**Employer** : PGESCO.  
**Job title** : Electrical Construction Engineer  
**Job Description** :
 

- Supervision for electrical activities while construction of combined power plant 750MW (Egypt) to achieve good quality for installed equipment and insure that the contractors follow the contract while execution there works.
- Power Plant including:
  - 2x250MW gas turbine (manufactured by MHI).
  - 1x250MW combined steam unit (manufactured by Ansaldo).
  - 1 Water treatment unit (manufactured by Mitito).
- Supervision for installing and testing the following:
  - Power transformers (300MVA).
  - Generators and its isolated phase bus.
  - 6.3KV switchgear.
  - 400V Motor Control Center (MCC).
  - Lighting.
  - Routing and termination for power cables and control.
  - Cable trays and trench.
  - Installing of 220KV XLPE cables.
  - Lightning protection.
  - Grounding network.
  - Computer network.
  - Installing of cable trays and conduits.
  - Installing lighting, electrical equipments, transformer for office buildings.
- Quality control for installing electrical equipments such as:
  - Motors 6.3KV, 400V.
  - Transformers.
  - Motors Control Centers (MCC).
  - High voltage, medium, low voltage cables.

**Dates** : From Dec. 2007 till Mar. 2009  
**Project** : Al-Zour Thermal Power Station 8x300MW (Kuwait):

- Fuel: N. Gas, Heavy Fuel oil, Crude oil.
- Boiler: Mitsubishi 8 x water tube boiler corner firing with 16 burner each.
- Turbine: 8x300MW Toshiba Turbine TCDF.

**Job title** : Operation Engineer

**Dates** : From Oct. 2001 till Dec. 2007  
**Employer** : West Delta for Electrical Production Company  
**Project** : Damanhour 300MW Steam Power Plant  
**Job title** : Operation & Maintenance Engineer  
**Job Description** : Power Plant including:

- Babcock Wilcox boiler (1050 ton/hr – 175 bar – 540 °C).
- Type of fuel:
  - Fuel-light oil (L.F.O): Two pumps (discharge pressure 12 bar).
  - Heavy oil (H.F.O.): Two low-pressure pumps, three high-pressure pumps (Discharge pressure about 15 bar and not less than 90 °C).
  - Natural gas system: Two gas pressure-reducing stations from 7.5 bars to 3 bars.
- Ansaldo turbine (325MW): Tandem compound double flow (TCDF).
- Generator:
  - Rating Power 422 MVA.
  - Armature voltage 22KV.
  - Armature current 11073 A.
  - Frequency 50 Hz.
  - Power factor 0.8.
  - Operating speed 3000 rpm.
  - Winding connection "Star".
  - Type of field voltage excitation: static.

**Dates** : From May 2000 till Oct. 2001  
**Employer** : BH-Online for Computer Services  
**Job title** : Computer Maintenance Engineer  
**Job Description** : Personal computers and internet cybers maintenance and assembly (hardware, software and networks).