

<b>100066-ICX-CMOS-E-1992</b> <b>Power Plant I&amp;C Supervisor Engineer</b>
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Holds a B. Sc. in Electronic Engineering and has over 20 years hands-on experience working in I&C field at Assiut Thermal Power Plant.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 30/10/1966  
Gender : Male  
Marital Status : Married  
Residence : Assiut

## EDUCATION

: B. Sc. in Electronic Engineering (Communication), Menoufia University, 1992

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Occupational safety and health, training conducted by NIOSH (Mar. 2006).
- : Training course in Assiut Thermal Power Plant of MS EXCEL (Dec. 2004).
- : Training course in Assiut Thermal Power Plant of MS WINDOWS & WORD (Feb./Mar. 2004).
- : Training course in DCS, conducted by North Cairo Electricity Training Center (Aug./Sep. 1997).
- : The specific class room training course held by ANSALDO ENRGIA concerning the instrument & automation control maintenance of the equipment installed in the ASSIUT Thermal Power Plant Unit 2 (Jun./Jul. 1996).
- : General training course held by ANSALDO ENERGIA on conventional steam power station its related physical and chemical processes and their practical application the unit 2 (from Jan. till Mar. 1996).

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2006 till now  
**Employer** : Upper Egypt Electricity Production Company (UEEPC)  
**Project** : Assiut Thermal Power Plant  
Main turbine & Aux Description:  
2x312MW steam power plant including:
- DEHC system.
  - DCS INFI 90 system.
  - TSI system.
  - Lube Oil system.
  - Gen. Seal Oil system.
  - Gen. Stator cooling system.
  - Gen. H2 cooling system.
  - Hydraulic Fluid system.
  - Steam Seal system.
  - Condensate system & LP Heaters.
  - Feedwater system & HP Heaters.
  - Steam Extraction system.
  - Heaters Drain & Vent system.
  - Closed cooling system.
  - HP & LP Bypass system.
- Job title** : I&C Dept. Chief Engineer  
**Job Description** :
  - Supervise I&C maintenance section of main turbine & aux. of unit 2 at normal operation.
  - Supervise I&C maintenance section of main turbine & aux. of unit 2 during major overhaul from Nov. 2007 till Jun. 2008.
- Dates** : From Jul. 2002 till Jun. 2006  
**Employer** : Upper Egypt Electricity Production Company (UEEPC)  
**Project** : Assiut Thermal Power Plant  
**Job title** : I&C Senior Engineer  
**Job Description** :
  - Carrying out the modification on the DCS program (Bailey INFI 90).
  - Managing the day to day work of the section.
  - Following up the spare parts stock in the store and issue purchase requisition for the items that reach the low level.
  - Preparing the necessary documents for the section such as working instructions.
  - Preparing Preventive maintenance schedules.
  - Repairing electronic cards and power supply of INFI 90 system.
- Dates** : From Feb. 1996 till Jun. 2002  
**Employer** : Upper Egypt Electricity Production Company (UEEPC)  
**Project** : Assiut Thermal Power Plant  
**Job title** : I&C Junior Maintenance Engineer  
**Job Description** :
  - Carrying out the modification on DCS program (INFI 90).
  - Following up the erection of the second unit (ANSALDO).
  - Following up the spare parts stock in the store and issue purchase

- requisition for the items that reach the low level.
- Carrying out I&C daily activities such as calibration of the field instruments (pressure, temp, flow, vibration, speed, level, transmitters, switches, etc.).
- Correcting the invalid signals to the DCS.
- Assisting the other departments to carry out their activities through the DCS (simulation, forcing, etc.).

**Dates** : From Jul. 1993 till Jan. 1996  
**Employer** : Egyptian Military Forces  
**Job title** : Officer  
**Job Description** : Maintenance of Diesel Generator.

**Field of experience** :

- More than 20 years experience in I&C of thermal power plant, he is an expertise in this field, he has also experience with D.C.S (INFI 90), DEHC (harmony INFI) ABB ELSAG Bailey, DEHC TOSHIBA (Tosmap) and TSI (CEMB), OIS Elsig Baily.
- Maintenance, Calibration, Troubleshooting, Modification, Installation and Commissioning of various types of field Control & Safeguarding Instruments such as (pressure, temp, flow, level, speed, vibration, control valves, transmitters switches, ...etc.).
- I/H converter current to hydraulic pressure WOODWARD.
- Electrical lever actuator type RHA 250 for m.f. p's.
- Transmitter EHM3 (rotational speed) Mannes Mann Hartmann & Braun.
- Continuous power electronics for S&F - servomotor type KE3.
- Micro pulse liner transducer (BALLUFF).
- Troubleshooting experience D.C.S:
  - Actively involved in the troubleshooting of Hardware signals not reaching DCS by checking the I/O Modules and testing the validity of the signal with precision instruments.
  - Checked the loss of software signals through Communication Module to DCS by checking the configuration of the CM and the status of the signals.
  - Simulation of critical signals during Plant Blackout to save the situation...
  - Repair electronic cards and power supply of (DCS INFI 90) system.
  - Initialization, configuration and verification of MFP cards on INFI 90 control system.
  - Carry out the modifications on the D.C.S program (INFI 90).
- Familiar with TSI (CEMB) turbine supervisor instrument.
- Maintenance and troubleshooting of offshore pneumatic-hydraulic control units, which represent the main control and safety system.
- Manage the day to day work of the section.
- Follow up the spare parts stock in the store and issue purchase requisition for the items that reach the low level.
- Prepare the necessary documents for the section such as:
  - Working instructions.
  - Preventive maintenance schedules.
  - Internal training courses.
- Supervise for the I&C maintenance engineers section of main turbine &

aux at normal operation.

- D.E.H.C SYSTEM.
- D.C.S SYSTEM.
- T.S.I SYSTEM.
- LUB. OIL SYSTEM.
- GEN. SEAL OIL SYSTEM.
- GEN. STATOR COOLING SYSTEM.
- GEN. H2 COOLING SYSTEM.
- HYDROLIC FLUID SYSTEM.
- STEAM SEAL SYSTEM.
- CONDENSATE SYSTEM & LP HEATERS.
- FEEDWATER SYSTEM.
- STEAM EXTRACTION SYSTEM.
- HEATER DRAIN & VENT SYSTEM.
- CLOSED COOLING SYSTEM.
- HP & LP BYPASS SYSTEM.
- Supervise for the I&C maintenance engineers section of main turbine & aux on overhaul.
- Follow up the erection of the second unit 320MW (ANSALDO).