

Holds a B. Sc. degree and has over 15 years hands-on experience in Power and Desalination Plant operation and Instrumentation and Control Systems.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 15/03/1979  
Gender : Male  
Marital Status : Married  
Residence : Sharkia

## EDUCATION

: B. Sc. degree from Zagazig University in 2001

## LANGUAGES

Arabic : Native Language  
English : Good  
French : Fair

## COMPUTER SKILLS

: Windows, MS Office (Word, Power Point), Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

- : Training course in instrument & control (RELAYS & PLC) provided by East Delta Electricity Production Co. (EDEPC).
- : Training course in DCS provided by EDEPC.
- : Training course in PROTECTION SYSTEM provided by EDEPC.
- : Training course in operation of steam power station provided by EDEPC.
- : Training course in operation & maintenance of desalination units provided by EDEPC.
- : Training course in maintenance of electrical machines provided by EDEPC.
- : Training course in water treatment provided by EDEPC.
- : Training course in safety & fire fighting & first aids provided by EDEPC.
- : Two weeks training in ABB factory for low & medium voltage switchgear.
- : One month training in EGYTIC ELSWEDY COMPANY for making low, medium & high voltage cables.

: One month training in Technical Techniques Training Center of Canal Electricity Company.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Apr. 2016 till now  
**Employer** : BP West Nile Delta OIL, GAS with Bechtel  
**Job title** : Electrical Field Engineer

**Dates** : From Dec. 2015 till Apr. 2016  
**Employer** : Cairo Electricity Company (UEEPC)  
**Project** : 12x400MW New Capital Combined Cycle Turbine Siemens  
**Job title** : Electrical - I&C QA/ QC Team Leader  
**Job Description** :

- Preparing inspections & test plans for electrical and instrumentation works according to inspection and test program, contract and specifications.
- Manage the necessary civil turn over (CTO).
- Reviewing material submittals before sending to the client for approval.
- Manage the material hand over process.
- Manage the joint walk down with the client and joint venture representative for all the E&I systems and issuing the necessary punch items for each system.
- Manage the clearance of punch list for each system.
- Managing the daily site inspection at site to ensure site safety and quality and making necessary report.
- Managing the process of request inspections, non-conformity reports and discrepancy reports.
- Monitoring the quality plan of subcontractors.
- Making the necessary audits on subcontractors.
- Making site test for:
  - Pressure test for tubing.
  - All test for power transformer & oil immersed and dry transformer.
  - All test for IBP, GCB, MV and LV panels.
  - MV & LV MOTOR PUMP.
  - Grounding system.
  - GIS system
  - Lighting system.
  - MV, LV, CONTROL & instrument cables with following the loop check activity.
- Manage the turn over package process.
- Handing over the project documentation to the client.

**Dates** : From Jun. 2015 till Dec. 2015  
**Employer** : Upper Egypt Electricity Company (UEEPC)  
**Project** : 8x125MW New Assiut fast track simple cycle gas turbine GE  
**Job title** : Electrical - I&C QA/ QC Team Leader  
**Job Description** :

- Preparing inspections & test plans for electrical and instrumentation works according to inspection and test program, contract and specifications.

- Manage the necessary civil turn over (CTO).
- Reviewing material submittals before sending to the client for approval.
- Manage the material hand over process.
- Manage the joint walk down with the client and joint venture representative for all the E&I systems and issuing the necessary punch items for each system.
- Manage the clearance of punch list for each system.
- Managing the daily site inspection at site to ensure site safety and quality and making necessary report.
- Managing the process of request inspections, non-conformity reports and discrepancy reports.
- Monitoring the quality plan of subcontractors.
- Making the necessary audits on subcontractors.
- Making site test for:
  - Pressure test for tubing.
  - All test for power transformer & oil immersed and dry transformer.
  - All test for IBP, GCB, MV and LV panels.
  - MV & LV MOTOR PUMP.
  - Grounding system.
  - GIS system
  - Lighting system.
  - MV, LV, CONTROL & instrument cables with following the loop check activity.
- Manage the turn over package process.
- Handing over the project documentation to the client.

**Dates** : From Jan. 2014 till Jun. 2015  
**Employer** : Cairo Electricity Production Company (CEPC)  
**Project** : 4x150MW 6<sup>TH</sup> OCTOBER POWER PLANT GAS TURBINE Ansaldo Energia (94.2) CP-101 Project  
**Job title** : I&C Start-up & Commissioning Lead Engineer  
**Job Description** :
 

- Calibration for gas turbine instrument.
- Commissioning for gas turbine instrument/start-up.
- Function test for gas turbine.
- Troubleshooting for all instrument of gas turbine.

**Dates** : From Apr. 2013 till Jan. 2014  
**Employer** : MEGA  
**Project** : BENHA GAS TURBINE (2x250MW) GE 9 F (CP-101)  
**Job title** : I&C Commissioning Lead Engineer  
**Job Description** :
 

- Calibration for gas turbine instrument.
- Commissioning for gas turbine instrument/start-up.
- Function test for gas turbine.
- Troubleshooting for all instrument of gas turbine.

**Dates** : From Sep. 2011 till Apr. 2013  
**Employer** : MEGA  
**Project** : 2x650MW New Abu Qir Thermal Power Plant (CP-105) Project  
**Job title** : I&C Commissioning Lead Engineer

**Job Description** : 

- Commissioning for boiler instrument (pressure transmitter, flow transmitter, level transmitter & switches).
- Commissioning for motorize valve auma & rotork.
- Commissioning for solenoid valve.
- Commissioning for control valve positioner (ABB, STI, SMC).
- Commissioning for BMS, BPS.
- Commissioning for the burner and flame scanner.
- Commissioning for vibration monitor, RTD, THERMOCOUPLE.
- Commissioning for TV camera.
- Function test for the boiler.

**Dates** : From Jun. 2011 till Sep. 2011

**Employer** : MEGA

**Project** : 4x125MW Gas Turbine in Damietta

**Job title** : Instrument Construction Engineer

**Job Description** : Construction & termination and commissioning for all instrument for turbine and auxiliaries (welding support for instrument and tubing and conduit (fire system, thermo couple, rtd, vibration, transmitter, switches).

**Dates** : From Jan. 2011 till Jun. 2011

**Employer** : Suez International Nitrate Co. (SINCO)

**Job title** : I&C Manager

**Job Description** : 

- Balance of Plant Instrument & DCS Control system (DELTA V EMERSONE).
- Maintenance of all distributed control system (DCS) DELTA V EMERSONE) system troubleshooting both hard ware and software.
- Adjust stroke of control valve fisher.
- Calibrate the micro motion flow meter & vortex flow meter.
- Calibrate the temperature sensor RTD.
- Calibrate and adjust level transmitter.
- Maintained the bagging machine 1000/25kg.
- Maintained the security camera system.
- Make the PR & the offer of spare part.

**Dates** : From Aug. 2010 till Jun. 2011

**Employer** : Electricity De France / Egyptian Operating Co. (EDF/EOC)

**Project** : SUEZ GULF Thermal Power Station (2x341MW)

**Job title** : I&C Maintenance Engineer

**Job Description** : 

- Steam Generator (Boiler) Instrument & DCS control system (ALSTOM Control).
- Steam Turbine Instrument & DCS control system (TOSHIBA DCS TOSMAP Control).
- Balance of Plant Instrument & DCS Control system (Alstom Control).
- Water Treatment (with amulet effect desalination plant, dimilrisation plant) instrument and control (PLC, SIMATIC-S7 SIEMENS CONTROL).
- Air Compressors Instruments and Control (PLC Control).
- Smart devices calibration with HART, Assessment Management system.
- Pneumatic and hydraulic control circuit.

**Dates** : From Feb. 2004 till Aug. 2010  
**Employer** : East Delta Electricity Production Company (EDEPC)  
**Project** : Arish Steam Power Station  
**Job title** : I&C Engineer  
**Job Description** :
 

- Maintenance & repair instrumentation equipment and control system for boiler, turbine, thermal cycle, feed pump, air compressor, desalination plant, de-mineralization plant, waste water plant and firefighting system.
- Maintenance of all distributed control system (DCS) Westinghouse system troubleshooting both hardware and software.
  - Hardware: installing and changing DCS cards, fixing most of hardware troubleshooting, detect and fixing daily problems of DCS.
  - Software: making function group.
    - Making loop & ladder check.
    - Fixing of all software problems of WDPF ver. 2.7, modifying software for DPU, OPERATOR STATION.
- Maintenance of (PLC) troubleshooting both hardware & software (Siemens Simatic S5 (942B), Siemens Simatic S7 (400)).
  - Installing PLC Cards, detecting and fixing of all Simatic S5 & S7 software and hardware.
- Maintenance of Wired Relays control.
- Repair and calibration of all (Pneumatic, control, isolating, solenoid & hydraulic) valves.
- Repair and calibration (Pressure, Flow, Level) transmitter.
- Repair and calibration temperature controller (Thermo couple, RTD).
- Repair and calibration (Temperature, Level, pressure, flow) indicators and switches.
- Calibration and maintenance of (PH, Conductivity, turbidity NTU) devices.
- Process and Trip analysis.
- Troubleshooting for turbine generator regulator (TGR) system.

**Dates** : From Jul. 2003 till Feb. 2004  
**Employer** : East Delta Electricity Production Company (EDEPC)  
**Project** : Arish Steam Power Station  
**Job title** : Operation Engineer  
**Job Description** :
 

- Monitoring and operating the plant equipments from central control room (CCR) through DCS control system.
- Boiler starting up, operating and shutting down at normal, abnormal and emergency condition using (gas, mazout, solar) as firing fuel.
- Turbine starting up, operating and shutting down at normal, abnormal and emergency condition using (cold, hot, warm).
- Familiar with amulet effect desalination plant, demineralization plant operating and water treatment.
- Good handling with 220/22/6.3/0.4KV switchgear and GIS (gas isolation system by SF6).
- UPS 220V AC.
- Rectifier's 220/24V DC.
- Main Power transformer (220/22/11KV).
- Auxiliary transformer (11/6.3KV & 6.3/0.4KV).

- Field of experience :**
- Experience in Power and Desalination Plant Operation, Instrumentation and Control Systems.
  - Carry out the repair and maintenance work of all types of field instruments such as temperature, pressure, level, vibration, speed, flame detectors, transmitters, switches, gauges, recorders and analyzes.
  - Calibration and maintenance of various types of control actuators e.g. hydraulic, pneumatic and motorized control valves.
  - Work experience of various types of workshop test equipment.
  - Supervision ability and guidance of work crafts.
  - Have awareness of personnel and equipment safety, environment protection and quality.
  - Knowledge and work experience on different control systems such as PLC, DCS and through understanding of control loops.