

Holds a B. Sc. in Electronics & Communications Engineering and has over 13 years hands-on experience working in I&C field. Major projects of power plant have include installation for gas turbine, steam turbine, boilers and related auxiliaries. All aspects of commissioning, start-up and operation for all instrument equipments to be according client contract specification and manufacture requirement. Understanding of P&ID drawing.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/08/1981
Gender : Male
Marital Status : Married
Residence : Mahmoudia

EDUCATION

: B. Sc. in Electronics & Communications Engineering, Mansoura University, 2003

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D
: Microsoft Certify Systems Administrators (MCSA)
: ISA server

TRAINING COURSES AND CERTIFICATIONS

: Course in Computer Communications Networks.
: Maintenance & Operating of GIS system 220KV, Siemens Power Academy, Nuernberg – GERMANY (Feb./Mar. 2009).
: Fire fighting training, TOSHIBA PLANT SYSTEM & SERVICE CORPORATION.
: I&C Maintenance training of Gas Turbine, MHI Power Generation, El-Atf Site (Aug. 2009).
: Maintenance & Operating of Steam Turbine Generator, ANSALDO Energia, El-Atf Site (Sep. 2009).
: Basic operation training of gas & steam turbine, El-Atf Site.

- : Hydrogen Generation Plant, TOSHIBA PLANT SYSTEM & SERVICE CORPORATION.
- : Transducer Installation & Maintenance GE OC (Bentley Nevada) training course.
- : On-site training program, which covered installation, calibration, leak tests, start-up & commissioning work activities.
- : On-site, ABB, SYMPHONY-HARMONY & PGP training.
- : On-site, ALLEN BRADLEY, PLC training.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2015 till now
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : EI-Atf 750MW Combined Cycle Power Station
Job title : I&C Maintenance Engineer

Dates : From Oct. 2013 till May 2015
Employer : Ansaldo Energia
Project : BANHA POWER PLANT 750MW COMBINED CYCLE, CP-106 STEAM TURBINE
Job title : I&C Engineer
Job Description :

- Pre-commissioning, Commissioning and Start-up sequence.
- Continuity check.
- Loop check.
- Field instrumentation calibration & Commissioning.
- Pressure instruments (transmitters, switches, ...).
- Level instruments (transmitters, switches, ...).
- Flow instruments (transmitters, switches, ...).
- Temperature instruments (transmitters, switches, ...).
- Electro-Pneumatic Positioner adjustment (ABB, STI, SIEMENS, MASONEILAN, YOKOGAWA, FISHER.....).
- Commissioning of all local Control Panels.
- Commissioning debris filter and condenser tube cleaning system.

Dates : From Feb. 2008 till Oct. 2013
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : EI-Atf Combined Cycle (750MW) Power Station
Job title : I&C Commissioning, Start-up & Maintenance Engineer
Job Description :

- Installation, commissioning and start-up of gas turbine unit and steam turbine:
 - Mitsubishi Gas Turbine (Frame M701F), two units – 250MW each one (Diasys).
 - 21/220KV Set Up Transformers.
 - One Steam Turbine.
 - Steam Turbine auxiliaries.
 - Two HRSG (NEM).
 - Hydrogen Generation Plant (PLC control).
 - Steam turbines auxiliaries (DCS control).
 - Water treatment (PLC control).

- Tube cleaning & Debris filter system (PLC).
- Fire fighting system.
- Main steam system.
- Instrument and service air system.
- Cooling water intake equipment (trash rack, travelling screen).
- Closed cooling water system.
- Feed water system.
- For the following contract: Contract No. 10049-CP-106 "ANSALDO ENERGIA" (Steam Turbine Generator & Auxiliary):
 - Making Loop Check and Function test and leakage test.
 - Adjust the Turbine Supervisory Instrument such as radial vibration, thrust Vibration, eccentricity, Speed Sensors, keyphasor, zero speed, absolute expansion, differential expansion.
 - Calibration of all Hazard Gas Detectors.
 - Commissioning of Fire Fighting Protection System.
 - Calibration of all Pressure Transmitter, Flow Transmitter and Pressure Switches.
 - Switches, all type of RTD and Thermocouple.
 - Calibration of all Valves Control as Pneumatic, Electrical and hydraulic Valves.
 - Commissioning of all local Control Panels such as Air Processing Unit and Air Filter System.
- Now I am responsible for the routine and the corrective maintenance for the Steam turbine control system (Operation & Monitoring System and Engineering System) and its instrumentation:
 - Make overhaul maintenance for steam turbine and Auxiliary.
 - Maintenance for debris filter and condenser tube cleaning system.
 - Maintenance for trash rack and travelling screen system.
 - Maintenance for hydrogen generation plant Allen Bradley PLC.
 - Troubleshooting for any problem with DCS side.
- ABB software is used for turbine, SYMPHONY-HARMONY (COMPOSER 5 & PGP4.1 "POWER GENERATION PORTAL").
- The above mentioned operations were actually done for: Steam Turbine (ANSALDO ENERGIA) 250MW.

Dates : From Oct. 2005 till Jan. 2008

Project : Mahmoudia Combined Cycle Power Station (300MW)

Job title : Shift Engineer

Job Description :

- Unit start-up and shutdown procedures.
- Monitoring parameters.
- Testing the equipments.
- Isolation and de-isolation procedures.
- Safety work permit system.
- The above mentioned were done for:
 - 8 x 25 GE gas turbine (MS5001frame P).
 - 8 NEM HRSG.
 - 2 x 50 GE steam turbine.
- And also done for:
 - Condensate system & condensate pumps.
 - Circulating water system & circulation pumps.
 - Feed water system & pumps.
 - Sump pumps.

Dates : From Mar. 2004 till Sep. 2005
Employer : Goldi Company "BAHGAT GROUP"
Job title : Electronics Maintenance Engineer

Field of experience :

- Gas turbine commissioning, start-up and operation and maintenance.
- Boiler (HRSG) commissioning, start-up and operation and maintenance.
- Steam turbine commissioning and start-up and maintenance.
- Balance of plant (BOP).
- Control systems (DCS, PLC, SCADA).
- Technical ability in the field and in the office.
- Adaptable, with ability to have valuable input to many aspects of a project.