101047-ICX-14CGMOS-E-2006
Instrument Commissioning Engineer

Holds a B. Sc. in Electronics & Communication Engineering and has about 12 years hands-on experience working mainly in I&C commissioning and maintenance.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	02/06/1984
Gender	:	Male
Marital Status	:	Married
Residence	:	Damanhour

EDUCATION

: B. Sc. in Electronics & Communication Engineering, Mansoura University, 2006

LANGUAGES

Arabic	:	Native Language
English	:	Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Access, Power Point), Internet
: Engineering Equation Solver
: MS Project
: CMMS

TRAINING COURSES AND CERTIFICATIONS

: On-shore training of ALSTOM HRSG operation, Nubaria.
: On-shore training of Mitsubishi steam turbine operation, Nubaria.
: On-shore training of Gas turbine Siemens v94.3A each one produces 250MW, Nubaria.
: On-shore training of high and medium voltage (500KV/220KV/6.3KV), Nubaria.
: On-shore training of Alspa p320 distributed control system (DCS), Nubaria.
: On-shore training of Basic operation GE gas turbine (Frame 9FA), Nubaria.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2018 till now
Employer : ENI
Project : ZOHR DEVELOPMENT PROJECT

The ZOHR Development Project consists of new Greenfield gas processing facilities with nominal 2800 MMSCFD of export Sales Gas at Zohr Site in Port Said Governorate. The ZOHR Development Project will be developed into three (3) Phases:

- Phase 01: ZOHR Onshore – Phase 01, nominal 1400 MMSCFD export Sales Gas (Feed Gas at 84 barg at Slug Catcher Inlet).
- Phase 02: ZOHR Onshore – Phase 02, nominal 2800 MMSCFD export Sales Gas (Feed Gas at 84 barg at Slug Catcher Inlet).
- Phase 03: ZOHR Onshore – Phase 03, nominal 2800 MMSCFD export Sales Gas (Feed Gas at 24 barg at Slug Catcher Inlet).

Job title : INSTRUMENT COMMISSIONING ENGINEER (FIRE & GAS DEPT.)

Dates : From Jun. 2017 till Nov. 2017
From Oct. 2016 till Apr. 2017
Employer : EGYPTROL, SIEMENS AG Subcontractor
Project : BENI SUEF CCPP 4800MW
(8 Gas Turbines (400MW) Type SGT5-8000H Controlled by T3000, 8 HRSG NEM and 4 STG SIEMENS Steam Turbines)
Job title : I&C Commissioning Engineer
Job Description :

- Make pre-commissioning and commissioning for all instruments.
- Loop check for turbine oil system, Fuel gas system, Generator gas supply, Generator temperature, Generator seal oil, Bearing temperature and vibration …skids.
- Loop Check Transmitter for Pressure, Flow, Level, Speed, Vibration and temperature sensor.
- Range in DCS agree to adjust measuring range, Wire break gives fault, Actual indication is plausible.
- Over range & under range gives fault in DCS, Damping of transmitter.
- I&C Interface to actuators cooling air valve (Auma valve) and Blow off valve.
- Loop check to DCS for command open/close, limit switch open/close, Torque switch open/close.
- Loop check for ignition transformer and solenoid valve.

Dates : From May 2009 till Sep. 2016
Employer : MDEPC (Middle Delta Electricity Production Company)
Project : Nubaria Combined Cycle Power Station (2250MW)
Job title : I&C Maintenance & Commissioning Engineer

Dates : From Jun. 2008 till May 2009
Employer : MDEPC (Middle Delta Electricity Production Company)
Project : Nubaria Combined Cycle Power Station

Job titles :

- Operation Engineer of ALSTOM HRSG
- Operation Engineer for Siemens gas turbine
- Operation Engineer for Mitsubishi steam turbine

Job Description :

- Shift Charge Engineer.
- Supervision to installing and construction steps Siemens gas turbine SGT5-4000F.
- Attending first fire to gas turbine with Siemens operator engineers.
- Commissioning, start-up and operation for Siemens gas turbine SGT5-4000F.
- Standing up as operator shift engineer during commissioning and generator protection tests.
- Safe operation for Siemens gas turbine SGT5-4000F and all its auxiliaries during the reliability period.
- Make first run to pumps (HP/IP, LP, condensate, preheat, closed cooling, service, cooling) and confirm the protection tests, make flushing & chemical cleaning for feed lines to HRSG.
- Steam blow team leader of the (HRSG) Heat Recovery Steam Generator – ALSTOM.
- Make Commissioning and start-up of Mitsubishi Steam Turbine 250MW.
- Operation for Mitsubishi Steam Turbine 250MW (Surface condenser, Gland steam condenser & fan, Lube oil cooler, Condenser vacuum pump, Lube cleaning system, Debris filter, Condenser water vacuum pump, Turbine governing system and DEH & ATS Control).
- Making Work Requests and issue Safety Permits through Computerized Maintenance Management Systems (CMMS) for corrective, preventive and annual maintenance programs.
- Arrangement and procurement of all related activities with all contractors/ subcontractors was part of my job during plant commissioning.
- Attend the daily meeting with PGESCO and contractors as MDEPC representative for work plan and work evaluation at plant commissioning.
- Making report about disorder before shutdown of maintenance.
- Tie between operator in main control room and technician in the field.
- Training for the newly joined operation engineers is part of my job.

Field of experience :

As I&C Maintenance & Commissioning Engineer:

- For SIEMENS Gas turbine V94.3A (SGT5-4000F):
  - Automation control system (TELEPERM XP AS620) for modification, simulation and buck up.
  - Fuel gas commissioning and start-up and Fuel oil commissioning and start-up.
  - Major and minor inspection and Hot gas path inspection for the gas turbine.
  - Tools for system analysis, administration, event managing of OM650.
  - Temperature sensors "RTD and thermocouple" faults recovery.
  - Calibration of the field devices "transmitters, switches, gages ……etc.".
  - Gas detection system, fire alarm system and firefighting system.
  - Dealing with the input/output cards, installation, Programming and faults recovery.
  - Perform the routine maintenance of the system Components.
  - HYDAC skid (hydraulic skid used for diverter damper system).

- Air compressor as Atlas Copco and BOGE.

- For Mitsubishi Steam Turbine:
  - Make overhaul maintenance for steam turbine with MITSUBISHI team.
  - Adjust the turbine supervisory instrument such as (radial vibration, rotor position, eccentricity, zero speed and differential expansion) sensors.
  - Supervise the installation of STG and auxiliaries (Lube Oil Skid, Gland Steam Condenser, Vacuum Condenser Pumps, and Debris Filter
  - Maintenance for auxiliary system such as circulating water pump, service water pump, closed cooling water pump and condensate water pump.
  - Good knowledge and working experience on different control system such as ALSTOM DCS P320, DIASYS NETEMATION (MITSUBISHI), PLC SYSTEM (ALLEN BRADLY and SIAMTIC-S7) and SCS PACIS SYSTEM.
  - Calibration of all types of shut off and control valves (Motorized, rotork, auma), pneumatic (CCI, Flowserve, Masoneilan) and Hydraulic (CCI) valves.
  - Receiving spare parts from the companies in the project site.

Skills:

- Able to work in a shift and under sever conditions.
- Ability to work in teamwork and ability to manage a staff group.
- Good understanding of integrating multicultural staff into one team.
- Ability to create climate of open communication.
- Good problem solving skills & Risk assessment skills.
- Awareness of Quality, Occupational Health & Safety.
- Very good experience in power plants component especially in GAS TURBINE (construction, commissioning operation and maintenance).
- Good knowledge of various types in Materials of piping and fitting types, pressure schedule, pressure rating and welding types.
- Good knowledge of safety rules during construction activities.