

100333-ICX-1CMOS-E-1988
Senior I&C Maintenance Engineer

Holds a B. Sc. in Industrial Electronics Engineering and has over 34 years' experience working in the field of instrumentation and control system at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/06/1965
Gender : Male
Marital Status : Married
Residence : Damietta

EDUCATION

: B. Sc. in Industrial Electronics Engineering, 1988

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : MS9001E GAS TURBINE - GENERATOR POWER PLANT MANAGEMENT (2 weeks) in GE Center in USA.
- : Gas turbine I&C course by SIEMENS KWU 94.2 units with capacity 135MW (4 weeks).
- : I&C course for heat recovery steam generator course by BORSIG company (6 weeks).
- : I&C course for steam turbine and auxiliaries by GEC ALSTOM (4 weeks).
- : I&C course by CIMIMONTOUBI company for Raw water & Demi plant (4 weeks).
- : Computer course in the application programs for maintenance & operation.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2019 till now
Employer : East Delta Electricity Production Company

- Project** : Damietta Combined Cycle Power Station 1230MW:
- 6x135MW gas turbine manufacture by Siemens Company
 - 3x140MW steam turbine manufacture by Alstom Company
 - 6 x 250 t/h HRSG manufacture by Borseg Company
 - 3 x 93 m³/ h Demi- Water Plant manufacture by Cimimontubi
 - Pump Housing which contains 9 circulating pumps & 9 service pumps
 - Chlorination system
- Job title** : Senior I&C Maintenance Engineer
- Job Description** :
- Development of tender specification, technical evolution of tenders' design review and approval of contractors for existing equipment upgrading.
 - Diagnostic check, troubleshooting, maintenance of instruments and control in power plant which Contain the following systems:
 - Teleperm – ME system for gas turbine (SIEMENS).
 - Simadyn D system for gas turbine (SIEMENS).
 - DCS main control system (WESTINGHOUSE) for Combined Cycle Power Plant.
 - Control system for steam turbine (rec.920 - Alstom Company).
 - CEGELEC PLC system for steam turbine (Alstom Company).
 - Micromax system for BY-PASS system.
 - UMC 8000 controller for by pass system (HONEYWELL).
 - Lead group of engineers and technicians (10 persons).
 - Lead and coordinate the problems troubleshooting and preventive maintenance.
 - Arrange the purchasing orders of spare parts and tools that required for the power plant instruments and control.
- Dates** : From Apr. 2014 till Sep. 2019
- Employer** : East Delta Electricity Production Company
- Project** : El-Shabab Gas Turbine Power Plant (1500MW) 8x125MW GT 9E for GE with Mark VIe control system & 2x500MW ST ANSALDO ENERGIA Company
- 8x125MW gas turbine manufacture by GE Company
 - R.O. water treatment unit
 - 2x200MW ST Ansaldo Energia
- Job title** : General Manager of I&C
- Job Description** :
- Supervising the implementation of two units combined cycle and flow up the constriction & commissioning & hand over the project from the contractors.
 - Manage the work by the team work and by communication with the other managements.
 - Development of tender specification, technical evolution of tenders' design review and approval of contractors for existing equipment upgrading.
 - Diagnostic check, troubleshooting, maintenance of instruments and control in power plant which Contain the following Systems:
 - Control system for GT turbine (Mark VIe).
 - DCS main control system (YOKOGAWA).
 - Lead group of engineers and technicians (20 persons).
 - Lead and coordinate the problems troubleshooting and preventive

- maintenance.
- Arrange the purchasing orders of spare parts and tools that required.

Dates : From Oct. 2011 till Apr. 2014

Employer : East Delta Electricity Production Company

Project : Damietta Combined Cycle Power Plant (1700MW):

- 6x135MW gas turbine manufacture by Siemens Company
- 3x140MW steam turbine manufacture by Alstom Company
- 6 x 250 t/h HRSG manufacture by Borseg Company
- 3 x 93 m³/ h Demi- Water Plant manufacture by Cimi-Montubi
- Pump Housing which contains 9 circulating pumps & 9 service pumps
- Chlorination system

Job title : Senior I&C Maintenance Engineer

Job Description :

- Development of tender specification, technical evolution of tenders' design review and approval of contractors for existing equipment upgrading.
- Diagnostic check, troubleshooting, maintenance of instruments and control in power plant which contain the following systems:
 - Teleperm – ME system for gas turbine (SIEMENS).
 - Simadyn D system for gas turbine (SIEMENS).
 - DCS main control system (WESTINGHOUSE) for Combined Cycle Power Plant.
 - Control system for steam turbine (rec.920-Alstom Company).
 - CEGELEC PLC system for steam turbine (Alstom Company).
 - Micromax system for BY-PASS system.
 - UMC 8000 controller for by pass system (HONEYWELL).
- Lead group of Engineers and Technicians (10 persons).
- Lead and coordinate the problems troubleshooting and preventive maintenance.
- Arrange the purchasing orders of spare parts and tools that required for the power plant instruments and control.

Dates : From Apr. 2010 till Oct. 2011

Employer : Renewable and New Energy Authority

Project : El-Kureimat Solar Energy Project
(Solar Energy 20MW, GT 80MW and ST 40MW)

Job title : Senior I&C Commissioning Engineer for GE gas turbines instruments & control (Mark VI) and Siemens steam turbine (Symatic S7) and ABB D.C.S. (AC800M)

Job Description :

- Review design and engineering according to the contract technical specifications.
- Oversee commissioning activities and start-up sequences.
- Review and arrange punch-list items.

Dates : From Jun. 2009 till Nov. 2009

Employer : Ansaldo Company

Project : Batna Power Station (2x127MW gas turbine) – ALGERIA

Job title : I&C Commissioning Engineer for Ansaldo gas turbines instruments and control (ABB Harmony/Symphony control system)

- Job Description** :
 - Review design and engineering according to the contract technical specifications.
 - Execute commissioning activities and start-up sequences.
 - Review and clearing punch-list items.
- Dates** : From Apr. 1994 till Jun. 2009
- Employer** : East Delta Electricity Production Company (EDEPC)
- Project** : Damietta Combined Cycle Power Station (1230MW):
Consists of:
 - 6x135MW gas turbine manufacture by SIEMENS Company
 - 3x140MW steam turbine manufacture by ALSTOM Company
 - 6x250 t/h HRSG manufacture by BORSEG Company
 - 3x93 m³/h demi-water plant manufacture by Cimimontubi
 - Pump Housing witch contain 9 circulating pumps & 9 service pumps
 - Chlorination system
- Job title** : I&C Maintenance Engineer
- Job Description** :
 - Development of tender specification, technical evolution of tenders' design review and approval of contractors for existing equipment upgrading.
 - Diagnostic check, troubleshooting, maintenance of instruments and control in power plant which contain the following systems:
 - Teleperm - ME system for gas turbine (SIEMENS).
 - Simadyn D system for gas turbine (SIEMENS).
 - DCS main control system (WESTINGHOUSE) for Combined Cycle Power Plant.
 - Control system for steam turbine (rec.920 - Alsthom Company).
 - CEGELEC PLC system for steam turbine (Alsthom Company).
 - Micromax system for BY-PASS system.
 - UMC 8000 controller for by pass system (HONEYWELL).
 - Lead group of Engineers and Technicians (10 persons).
 - Lead and coordinate the problems troubleshooting and preventive maintenance.
 - Arrange the purchasing orders of spare parts and tools that required for the power plant instruments and control.
 - During Junior position I had the following activities:
 - Attending minor and major inspections for gas and steam turbines.
 - Execute the maintenance of instrumentation and control in power plant repair of digital, analog and pneumatic instruments and process analyzer.
 - Calibration and repairing all instruments for combined cycle.
 - Working in all types of actuators for valves.
 - Troubleshooting and repairing of fire fighting system for Combined Cycle Power Plant.
- Dates** : From Oct. 1990 till Mar. 1994
- Employer** : East Delta Electricity Production Company (EDEPC)
- Project** : Damietta Combined Cycle Power Station (1230MW)
- Job title** : Operation Shift Engineer
- Job Description** : Operating:
 - 6x135MW Gas Turbine.

- 3x140MW Steam Turbine.
- 6 x 250 t/h Heat Recovery Steam Generator.
- Power Plant BOP.