103438-ICX-1CDMOS-E-2008
Shift Charge Engineer

Holds a B. Sc. in Electrical Engineering and has over 9 years of experience as an Instrumentation and Control Systems Engineer in detailed maintenance, commissioning and development co-ordination of instruments and control systems in Power Plant, Desalination Plant and Mixing Plant projects.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	27/02/1986
Gender	:	Male
Residence	:	Damietta

EDUCATION

: B. Sc. in Electrical Engineering, Alexandria University, 2008

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Training courses at France (1 month):
- GE 9E gas turbines maintenance (GE Energy, Belfort – France).
- Gas turbine mark VIe (with HMI) (GE Energy, Belfort – France).
- Generator control – EX2100R (GE Energy, Belfort – France).

: GE 9E gas turbines operation (GE Energy - Egypt).

: Gas turbine Mark VIe (with HMI) (GE Energy - Egypt).

: Generator control – EX2100R (GE Energy - Egypt).

: Maintenance of all types HHIB transformers (Hyundai).

: Operation & Maintenance of (MV SWGR, LV SWGR, DC System, Dry type Transformer) (Schneider Electric).

: Operation 220KV Gas Insulated Switchgear (Hyosung Corporation).

: Protection and Control Panel (Hyosung Corporation).

: Telecommunication System (Hyosung Corporation).

: Substation Automation System (SAS) (Hyosung Corporation).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2017 till now

Project : AL-BURULLUS Power Station 4800MW:

- 8 x Siemens Gas Turbines x 400MW type (8000H).
- 8 x HRSG Vertical Type (NEM) + 4 x SIEMENS Steam Turbines (5000).

Job title : Shift Charge Engineer

Job Description :

- Leading a team of 12 engineers and 5 technicians.
- Monitor the status of all plant systems on continuous basis.
- Respond to emergency situation.
- Utilize computerized plant management system for shift log, fault notification and work order.

Dates : From Jun. 2016 till Dec. 2016

Employer : EEHC - SIEMENS (EGYPT - GERMANY)

Job Description : Training Courses:

- At Egypt (4 months):
  - Management and Leadership Basics.
  - Fundamental Technical Training.
  - Basic Operation Training.
- At Germany (3 months):
  - Simulator Training T3000 and troubleshooting.
  - Component Specific Training for Operation.

Dates : From Jan. 2014 till Jun. 2016

Project : New Damietta Power Station (500MW):

- Four GE x 125MW type (9E).
- DCS Control Room.
- Water Treatment Plant.
- 220KV switchyard.
- Medium and low switchgears.
- Module auxiliaries.

Job title : Instrumentation & Control Engineer

Job Description :

- Leading a team of 4 instrument technicians for combustion inspection and hot gas path inspection for GE 9E gas turbine.
- Maintenance & calibration of turbine speedtronic control system.
- Reporting periodically to Maintenance Manager; preparing KPI, PM and CM reports.
- Troubleshooting the totally integrated automation (Mark VIE, Cimplicity, Schneider unity pro and Centum VP) software and hardware.
- Planning required up gradation for instruments to achieve production quality and cost minimizing.
- Maintenance and calibration of pneumatic and hydraulic control valves.
- Maintenance and calibration of flow meters, transmitters PT, LT, TT, DPT (Emerson Rosemount, Endress & Hauser) and monitoring vibration transducers.
- Ensure Spares balance and inventory control for all instruments' spare parts.

Dates : From Jun. 2011 till Jan. 2014
Project : New Damietta Power Station (500MW)
Job title : Shift Charge Operation Engineer
Job Description : Leading a team of 9 Engineers and 4 Technicians.

Dates : From Feb. 2011 till Jun. 2011
Project : New Damietta Power Station (500MW)
Job titles :
- Commissioning & Start-up Engineer
- Shift Operation Engineer
- GE 9E Gas Turbines Operator

Dates : From Feb. 2009 till Jan. 2011
Employer : The General Authority of Educational Buildings, Egypt
Job title : Electrical Supervisor & Designer Engineer

Dates : From Sep. 2008 till Feb. 2009
Employer : Caker Company for food industries, Egypt
Job title : Electrical Maintenance Engineer

Field of experience :
- Over 9 years of experience as an Instrumentation and Control Systems Engineer in detailed maintenance, commissioning and development co-ordination of instruments and control systems in Power Plant, Desalination Plant and Mixing Plant projects.
- Configuring and faults diagnosis of DCS, Mark VIe, PLC, SCADA, Analyzers and Control Loops:
  - DCS: Centum VP Yokogawa, T3000.
  - PLC: Schneider, Mark Vie, SIEMENS.
  - SCADA: WINCC/Siemens, cimplicity.
- Installation, calibration and loop checking of the field instruments (Emerson Rosemount, ABB, Endress & Hauser, Bentley Nevada, Honeywell, Yokogawa, Vega, …).
- Maintenance and calibration of the control valves and flow meters.
- Designing, Implementing and Commissioning of new control loops as per site requirements.
- Review of control philosophy, P&I diagrams, cause & effect diagrams, instruments list, flow chart.
- Familiar with engineering standards ISA, IEEE, ASTM, NAMUR, ASMI, ANSI, NEMA, IEC.
- Preparing master data sheet for PM schedule.
- Technical Support for the instrumentation team.
- Experienced in the field instruments and control systems procurement activities.
- Spare balance investigation and inventory control for all instruments' spare parts.
- Excellent communication interpersonal skills.
- Analyze Gas Turbine faults & upsets, investigate and recommend solutions.
- Organize evaluation and testing of gas turbine component.

- Follow the Dispatch Load Request.
- Perform Periodical Test.
- Start-up and Shut down of the Units.
- Detect and diagnose malfunction of equipments and prepare for work orders.
- Operate the units even in case of abnormal operation.
- Collect and analyze periodical data.
- Follow and Deal with Alarms in Central Control Room.
- Perform Necessary Measures and Checks out Before Equipments Start- up.
- Follow Operation Specifications.
- Analyze Equipment Efficiency.
- Analysis of all Necessary Information about Local Sites.
- Operations of medium, low voltage switch gears and load centers.
- Operation of high voltage circuits.