

Holds a B. Sc. in Engineering and has over 11 years hands-on experience working in I&C field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 14/03/1978  
Gender : Male  
Marital Status : Married

## **EDUCATION**

: B. Sc. in Engineering, Al-Azhar University, 2002

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : SPPA- T2000:
  - Basic Course for Automation System (K-T2-EAS).
  - Basic Maintenance for AS 620B (K-T2-SAS).
  - Course for Administration (OM650, ES680, AS620) (K-T2-ADM).
  - Commissioning & maintenance (KW-XSIBS).
- : SPPA- T3000:
  - TEC4FDE (K-TEC4FDE).
  - System Basics (K-T3BAS).
  - Cyber Security Overview (K-T3SEC\_OV).
  - Advanced Engineering (K-T3ADE).
  - Governor (K-T3GOV).
  - Fail-safe Systems (K-T3PROT).
  - System Setup (K-T3SET).
  - Maintenance (SIM) (K-T3MAIN).
- : IT certifications:
  - MCSE (Microsoft Certified System Engineer).
  - MCSA (Microsoft Certified System Administrator).
  - MCP (Microsoft Certified Professional).

- : Safety & Security:
  - Lock out Tag out (LOTO).
  - SECURE throughout the day (WBT).
  - Business Conduct Guidelines (WBT).
  - Minimum EHS Training (WBT).
  - Global Bribery and Corruption Awareness.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2011 till now
- Employer** : Siemens Energy
- Projects** :
- GT Controller acting as Warranty Engineer (Saudi Arabia, Site: Rafha PP2):
    - Assist SSEM / SEC in operation & maintenance.
    - Handle technical matters that arise during warranty period.
    - Supervise any routine inspection, trouble shooting, scheduled maintenance, overhauls (minor/major).
    - Analysis of/or assistance in an analysis of operational disturbances affecting the plant and /or its components.
    - Advise SSEM on the drafting of proposals for optimizing operation of individual systems or the overall plant & corresponding amendments in the operations manual.
    - Advise the customer (SSEM) on the organization of in-process inspections (planning, inspection, procedures, implementation, and documentation).
  - TXP Administration Specialist (Saudi Arabia, Site: Riyadh PP7):
    - Installing licenses file for ES680.
    - Troubleshooting for Engineering Workstation ES680.
    - Troubleshooting for Operation Monitor System OM650.
  - TXP Administration Specialist (Saudi Arabia, Site: Bisha):
    - Visual check, Function check, System Analysis, Project Data Back-up, I&C Error Log and archive analysis For (Simadyn GT Controller System, AS 620, Fail - Safe System AG95F, ES 680 and OM 650).
    - Troubleshooting for operation workstation station CU-OM.
  - Upgrading for Electrical and Control System from Teleperm-XP to SPPA-T3000 (Malaysia, Site: CUF-Kertih):
    - Factory Acceptance Test and loop check.
    - Site Acceptance Test and Cold & Hot Commissioning.
  - Major outage for Gas Turbines (GT11-GT12-GT21-GT22) (Egypt, Site: Nubaria Power Plant):
    - Visual check, Function check, System Analysis, Project Data Back-up And I&C Error Log and archive analysis For (Simadyn GT Controller System, AS 620, Fail - Safe System AG95F, ES 680 and OM 650).
    - Stroking for Control Valves, Stroking for IGV, Check for all instrumentation Field and Function test for Lube-oil skid.
    - Optimization for Start-up of GT and Tuning for Combustion Turbine.
    - Tuning for Start-Up Carves of Control Valves.
    - Tuning for Combustion Turbine.
  - Install Wet compression system for Gas Turbines (GT12 & GT21) (Egypt, Site: Nubaria Power Plant):

- Performing a Wet Compression System included (Cable Termination, installing new logic, new picture, loop check, Cold commission and Hot Commission) to increase the output of MW and reducing NOx Emission.

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

- Be a key contributor to the Siemens Expert Team to service the customer base in Egypt and the Middle East and other regions.
- Responsible for the service, maintenance and troubleshooting of Power Plant Instrumentation & Control systems on site.
- Responsible for Technical Support of Gas Turbine Inspections (Instrumentation & Control and Process Engineering) on site.
- Optimization of Power Plant Instrumentation & Control systems (Turbine Control systems) on site.
- Development and implementation of customer-specific solutions.

**Dates** : From Feb. 2010 till Feb. 2011  
**Employer** : IBERDROLA S.A.  
**Project** : El-Kureimat Solar Power Plant (140MW)  
**Job title** : I&C Commissioning & Start-up Engineer  
**Job Description** : Commissioning for Integrated Solar Combined Cycle using MK VI for GT & PC7 for steam turbine as the following:
 

- Power Up for MK VI panels.
- Cold and Hot commission using MK VI for GT & PC7 for steam turbine.
- GCVs and IGV Calibration using MK VI.
- Test the interface signals between MK VI and ELIN, SFC, DCS.
- Verification and calibration for all Instrumentation.
- Fire Fighting system and Panels Commissioning.

**Dates** : From Jun. 2009 till Feb. 2010  
**Employer** : INITEC Energia  
**Project** : El-Kureimat III Power Plant 750MW  
**Job title** : I&C Supervisor Engineer  
**Job Description** :
 

- Responsible to supervise Subcontractor work, leading a Team with 2 Engineers and 6 Technicians, in support of Project Operations.
- Responsible to ensure all work are carried out in accordance with the required technical standards, processes, procedures, operating effectively and in compliance with legislation.
- Analyze and diagnose plant and equipment problems.
- Explain all the procedures to the Client, how everything was done. Then the Client Engineers / Supervisors check all with me on the field, to verify if everything is in accordance with the Project specifications.
- Leading meetings with the Subcontractor Engineers and Technicians for the day priorities and changes requested by Client.
- Responsible to Supervisor all activities for commissioning and start-up.
- Responsible to commissioning of DCS ALSPA P320 (Loop check, Logic Test, Function Test and System start-up).

**Dates** : From Jan. 2008 till Apr. 2009  
**Employer** : Siemens AG

**Project** : Shoubra El-Kheima, Steam Turbine (4x315MW), Egypt – Rehabilitation, Upgrading from Westinghouse control System to T3000  
**Job title** : I&C Erection & Commissioning Engineer  
**Job Description** :

- Supervise all installation works for polisher system, sample panel and hydrazine panel including installation, initialization and calibration of different instruments.
- Lead the Supervisor of Pulling Cable and Fitter by carrying out Hook up Drawing including the installation of the instrument device, Junction Box, cable tray, Conduit, flexible and terminate the cable.
- Carry out commissioning and loop check by using DCS (T3000).
- Verification and calibration for all Instrumentation and various valves.

**Dates** : From Jul. 2007 till Dec. 2007  
**Employer** : Middle Delta Electricity Production Co. (MDEPC)  
**Project** : Nubaria Combined Cycle (750MW) Power Station  
**Job title** : Instrumentation & Construction Engineer  
**Job Description** :

- Review all I&C drawings and submittals for gas turbine (GE) frame 9001 FA.
- Review all technical submittals auxiliaries of the gas turbines (fuel gas and fuel oil supply systems, Lube oil system, Hydraulic system, control air system, cooling system, gas turbine fuel Purge system, cooling and sealing air system).
- Review and comment on all I&C construction documents and drawings (P& ID).
- Verify all required erection drawings, standards, procedures and project specifications have been received by the contractor.

**Dates** : From Mar. 2004 till Jun. 2007  
**Employer** : Middle Delta Electricity Production Co. (MDEPC)  
**Project** : Nubaria PP Gas Turbine (4x250MW), Egypt  
**Job title** : Instrument & Control Engineer  
**Job Description** :

- Routine and corrective maintenance for the Gas turbine control system (Operation & Monitoring System OM 650, Engineering System ES 680, Automation System AS 620) and its instrumentation.
- Perform preventive, corrective and diagnostic maintenance on the process control systems and control loops.
- Perform the required routine maintenance (daily, weekly, monthly, etc.) for all skids of gas units.
- Troubleshoot, repair, calibrate and test various types of process control instruments and relay logic which includes pneumatic, electrical and electronic instruments.
- Perform modification of control circuits and/or control loops as per the plant change requests and update all related plant drawings to reflect the actual changes.