

Holds a B. Sc. in Computer Engineering and has over 21 years hands-on experience, including 18 years working in I&C field and 3 years in IT field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 25/10/1975  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## **EDUCATION**

: B. Sc. in Computer Engineering, 7<sup>th</sup> of April University, Libya, 1999

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Access, Power Point), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : SECURE: throughout the day part 1, 2 & 3 (SIEMENS Web Based Training).
- : Training course in Mark IVe, covers the following: System Overview and Architecture, Cimplicity Startup and Navigation, ToolboxST Basics, Monitoring IO, Monitoring Software, Finder, Trenders, Constants and Variables, Watch Windows, Alarm Tracing, Cimplicity Screen Troubleshooting, Viewing Trip Log Data, View and Troubleshoot Diagnostic Alarms, Documents and Drawings, Web Documents, IOPack and Terminal Board Replacement, Controller Card Replacement, Permanent Software Changes, Editing Application Software, Configuring IO Points, Add or Modify Alarms, UDH Networking, Cimplicity Communications, Cimplicity Screen Editing, Modifying Cimplicity Screen Navigation, Servo Calibration, PDM, Capture Blocks and DDRs, Trip History.
- : Training course in CS3000 Maintenance, YOKOGAWA – Bahrain (Jul. 2010).
- : Training Course on GE gas turbine (9FA) Nubarria Power Station (on-shore training) in the period from April 11 to May 14, 2009 under direction of GE Energy Learning Center, the training course was 160 hours and covers the following:

- Mark VI control system (Toolbox & simplicity):
  - GT basics study and principle of operation.
  - Device summary and piping schematics.
  - Simplicity and toolbox trends.
  - TMR Philosophy.
  - Mark VI panel layout.
  - Mark VI modules overview.
  - Toolbox hardware and I/O definition.
  - Toolbox options (I/O reports, hardware signals tracing, replacing I/O cards & UCVX controller card, go ON/OFF line, major/minor/equal differences, Saving, log reports, validate, build, download, alarm list, constant list, Finder, forcing signals, changing control constants, alarm tracing, diagnostic Alarms).
  - Software introduction (functions / modules / tasks / pins, using sequences, Macros).
- GE gas turbine MS9001FA DLN2 mechanical basics:
  - Lubrication System.
  - Hydraulic & Trip Oil System.
  - Cooling and Sealing Air System.
  - Purge System.
  - Gas Fuel System.
  - Liquid Fuel System.
  - Fire Protection System.
  - Hazard Gas System.
  - Water Injection System.
  - Water Washing System.
- EXC2001 control system basics.
- : Training course in Design and Discovery as a trainer (Intel), BIBLIOTHECA ALEXANDRIA (Oct. 2008).
- : Maintenance Procedure Information System (MPIS), Nubaria – Egypt.
- : Training course in Operate the Combined Power Stations, Abu Qir Training Center, Alexandria – Egypt (Mar. 2007).
- : Training course in Operating the Gas Turbine Units, Abu Qir Training Center, Alexandria – Egypt (Jul. 2007).
- : Certified in Convergent Network Technologies (CCNT): Basic Telecommunications, Basic Data Communications, Computer-Telephony Integration (CTI), Local Area Network (LAN), Broadband Technologies and Voice-Over-IP (VOIP).
- : Energy efficiency: Do more for less, hp LIFE e-learning.
- : Training course in computer maintenance.

## CHRONOLOGICAL EXPERIENCE RECORD

<b>Dates</b>	:	From Aug. 2019 till now
<b>Employer</b>	:	Middle Delta Electricity Production Company (MDEPC)
<b>Project</b>	:	Nubaria III Combined Cycle 750MW Power Station
<b>Job title</b>	:	I&C Maintenance Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Follow up major inspection for Two GE gas turbine units 9FA.</li> <li>• Follow up major inspection for steam turbine.</li> </ul>

**Dates** : From Jan. 2019 till May 2019  
**Employer** : ALNOUR Construction Company (NCC)  
**Project** : Aswan – Egypt – KIMA Aswan  
**Job Description** :

- Loop check & continuity of cables.
- Check the function test of instruments.
- Calibration of instruments.
- Test and calibrate Gas detection sensors.

**Dates** : From Oct. 2018 till Dec. 2018  
**Employer** : Carlo Gavazzi Egypt  
**Project** : Sadat City – Egypt  
**Job Description** :

- Commissioning I&C Engineer.
- Loop check & continuity of cables.
- Check the function test of instruments.

**Dates** : From Nov. 2016 till Aug. 2018  
**Employer** : [EGYPTROL](#), SIEMENS AG Subcontractor  
**Project** : New Capital Combined Cycle 4800MW Power Station  
**Job title** : Commissioning I&C Engineer for Gas Turbine and Gas Station  
**Job Description** :

- Loop check & continuity of cables.
- Check panels arrangement and make necessary modification of as built drawing.
- Test the I/O signals (Analog and Digital) from T3000.
- Check the function test of instruments.
- Check the PROFIBUS network and the address of cards.
- Test & Commissioning Devices, instruments and valves in BOP & HRSG.
- Test & Calibrate the Auma valves.

**Dates** : From Aug. 2014 till Oct. 2016  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria III Combined Cycle 750MW Power Station  
**Job Description** :

- I&C Maintenance Engineer.
- I&C Construction Engineer on project of upgrade two GE gas turbines frame 9FA to 9FA.03 DLN 2.6+XD5 DF, AGP, CDM, EFM, CTM, Opflex, MKVI to MKVIe.
- Install Mark VIe controller, test and power up.
- Continuity test for control cables, cold & hot loop check.
- Install HMI network (HMI servers, viewers, historian, EWS...).
- Install, Test & Commissioning auxiliary systems, closed cooling system, Air Processing System, Water wash, and service air system.
- Making loop check and sequence check of all Mark VIe signals.
- Calibrate, Tune, and test valves of CTG, HRSG, BOP.
- Start-up & Commissioning CTG.

**Dates** : From Nov. 2013 till Jul. 2014  
**Employer** : Power & Integrated Projects Company (PIPCO)

- Project** : Rafha Power Plant 2 Simple cycle 2x30MW Power Station – KSA
- Job Description** :
- I&C Senior Engineer for relocation 2x30MW GE gas turbine frame 6B (disassemble instruments, control cables, JBs and re-install, test and calibration).
  - Continuity test for control cables, cold & hot loop check.
  - Commissioning & start-up for both units.
  - Install Mark IV, HMIs, Network, NTP.
  - Install, Test & Commissioning Fire Protection System.
  - Install, Test & Commissioning auxiliary systems Liquid fuel skid, closed cooling system, Air Processing System, Water wash, and service air system.
  - Do all modification required.
  - Prepare I/O signal list that required from DCS and configure it on Mark VI.
  - Troubleshoot the issues or problems found during testing or commissioning and achieve the solution in reasonable manner.
  - Representative and coordinator in site meetings.
  - All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load, fail to ignite, normal shut down, Reliability Test).
  - Repair daily reports and Tests reports required.
- Dates** : From Feb. 2007 till Nov. 2013
- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Projects** :
- Nubarria III Combined Cycle 750MW Power Station (from Feb. 2009 till Nov. 2013)
  - Nubarria I & II Combined Cycle 2x750MW Power Station (from Feb. 2007 till Jan. 2009)
- Job Description** :
- I&C Engineer during the commissioning and start-up of GE gas turbine.
  - Making loop check and sequence check of all Mark VI signals.
  - Following-up of all field instruments installation, calibration and testing.
  - Wake down, punch list and coordination in between the owner, contractor and Consultant.
  - Representative and coordinator in site meetings.
  - Supervise, function test, loop test, commissioning, start-up, reliability test for GE Gas Turbine 9FA.
  - Supervise the installation and commissioning of DCS and PLC control systems as well as logic test for all systems.
  - Attending Commissioning Activities for Contracts CTG, HRSG, & DCS.
  - Performing the required maintenance programs of GE gas turbine including daily, weekly, monthly, semi-annually and annually maintenance.
  - Troubleshooting of GE gas turbine alarms and failures.
  - I&C Senior Engineer during the warranty inspection of two GE gas turbines GE9FA.
  - Participated in the combustion inspection (CI) for two GE gas turbines GE9FA four times.
  - Participated in Major inspection for two GE gas turbines GE9FA two times.
  - Maintenance and calibration of Gas hydraulic Servo valves (Woodward valves).
  - Responsible of warranty claims in between the owner and GE party.

- Receiving spare parts of GE gas turbine.
- Calibration of all field instruments and testing, installation of all turbine supervisory instruments (TSI) (Vibration probes and proximity transducers, Speed sensors, ...).

**Dates** : From Dec. 2003 till Jan. 2007  
**Employer** : West Delta Electricity Production Company (WDEPC)  
**Project** : Nubaria I, II Combined Cycle 2x750MW Power Station  
**Job title** : I&C Field Engineer  
**Job Description** : Maintenance & Calibration of all field instruments.

**Dates** : From May 2002 till Dec. 2002  
**Employer** : Elsafady for Programming & Training Co.  
**Job title** : Network & Computer Maintenance Engineer

**Dates** : From Jun. 2000 till Feb. 2002  
**Employer** : Egyptian Army  
**Project** : Military Service  
**Job Description** :

- Technical support, solving problems and troubleshooting in networks.
- Computer & Network Eng.
- Programming data base with MS Access.
- Programming with Visual Basic.

**Field of experience** :

- I&C Engineer in Major & hot gas Path for two GE gas turbines frame 9FA.
- I&C Engineer with Siemens AG in New Capital – Egypt.
- I&C Engineer on project of upgrade two GE gas turbines frame 9FA to 9FA.03 DLN 2.6+XD5 DF, AGP, CDM, EFM, CTM, Opflex, MKVI to MKVIe at Nubaria Power Station.
- I&C Senior Engineer on relocation for two GE gas turbine frame 6B at Power Integrated Company (PIPCO) - Saudi Arabia.
- Test & Commissioning Auma valves.
- Check and operation the field equipment (valves, pumps, transmitters...etc.).
- Calibrate & tune shutoff and control valves.
- I&C Engineer on GE Gas Turbine MS9001FA DLN2 at Nubaria Power Station Module III – Egypt.
- Following up (calibration, cold loop check, hot loop check, commissioning, start-up, Function test and tuning) of two GE gas turbines 9FA at Nubaria Power Station Module III – Egypt.
- Working as a Trainer on Mark VI at AL-SHABAB Power Station 1000MW.
- Working as a Trainer at Nubaria Training Center.
- I&C Maintenance Engineer on GE Gas Turbine after TOAC.
- Operation Engineer on SIEMENS gas turbine V94.3A at Nubaria Power Station Modules I & II.