

Holds a B. Sc. in Electronics & Communications Engineering and has over 14 years experience working in I&C field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 19/09/1983  
Gender : Male  
Residence : New Damietta

## **EDUCATION**

: B. Sc. in Electronics & Communications Engineering, Mansoura University

## **LANGUAGES**

Arabic : Native Language  
English : Excellent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : General Electric (GE) training course in Mark VIe control system for GE gas turbine frame 9.
- : General Electric (GE) training course in Advance Mark VIe Maintenance Course for GE gas turbine frame 9.
- : General Electric (GE) training course in operation of GE gas turbine F9.
- : General Electric F9 (GE) training course in excitation system (EX2100R) for GE gas turbine.
- : General Electric (GE) training course in (GE EX2100 generator regulator & GPP) for GE gas turbine F9.
- : General Electric (GE) training course in mechanical maintenance of GE gas turbine F9.
- : In ITALY at Schneider Electric training department I had the following courses:
  - Distributed Control System Maintenance Foxboro EVO v6.0.
  - Foxboro EVO Configuration Essentials.
  - Foxboro EVO Equipment Maintenance.
  - Software Maintenance.
  - Foxboro EVO Control Editor.

- : Training course in operation of SIEMENS gas turbine V 94.2 at Damietta Plant.
- : Schneider Electric certificate in PROTECTION.
- : General course in Programmable Logic Controller.
- : Training course in WIN CC programming and maintenance for Water & Waste Water Treatment Systems (METITO).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Oct. 2012 till now
- Project** : WEST DAMIETTA POWER PLANT
- Job title** : I&C Engineer
- Job Description** :
- Gained extensive experience from activities (commissioning, start-up, installation) in the project of West Damietta power plant, the project consists of two power blocks, the first block 4X4X1 four GE gas turbine frame 9E, four HRSG (AC Boiler) and one Ansaldo steam turbine, the Second block 4X4X1 four GE gas turbine frame 9E, four HRSG (Doosan) and one GE steam turbine D202.
  - Follow up of Electronic Data Acquisition Systems, Calibration, Measurement & Interpretation, Operations, Pre-Commissioning, Commissioning & Coordinate with vendors for getting as-built drawings, Maintenance & Installation of Field Instruments.
  - Checking Control loops of Flow, Temperature, Level, Pressure, Vibration, Function Groups, Alarm & Interlock systems.
  - Review and check all assigned project Instrumentation installation drawings for compliance with all company and project instructions (P&I diagrams, Instrumentation equipment location drawings, plan drawings, details, schematics, wiring diagrams, etc.) of technical vendor submittals for installation requirements.
- Dates** : From Dec. 2010 till Oct. 2012
- Project** : WEST DAMIETTA POWER PLANT
- Job title** : Operation Engineer
- Job Description** :
- I was elected to be one of the operation team, following up completion of every stage of DAMIETTA Power Plant extension project (pre-commissioning, commissioning, start-up, synchronizing, shutdown, performance and reliability), the extension was four GE gas turbine units frame 9E.
  - Practiced and gained extensive knowledge in operation and control philosophy, P&I diagrams, cause and effect diagram, instrument list and flow chart.
  - I was responsible of training operators the gas turbine operation.
- Dates** : From Sep. 2009 till Dec. 2010
- Project** : DAMIETTA POWER PLANT
- Job title** : Operation Engineer
- Job Description** : I operated SIEMENS gas turbine units version 94.2 at Damietta Power Plant.

- Dates** : From Apr. 2008 till Feb. 2009
- Employer** : PEPArab Company for modular computers and control systems
- Job title** : Control Engineer
- Job Description** :
- I participated in the Project of PLC update of SINAI MANGANESE factory, and according to the required operation philosophy I was responsible for the following:
    - Smart I/O PLC programming using (ISAGRAF 3.3).
    - HMI designing and programming using (INTOUCH 7.0).
  - Participated in the development of four lifting pump station (PLC system).
- Field of experience** :
- 14 years of field experience (Operation and I&C Maintenance) in:
    - GE gas turbine frame 9E (Mark VIe control).
    - GE steam turbine D202 (Mark VIe control).
    - Ansaldo Energia steam turbine.
    - Distributed Control System DCS (Foxboro, Mark VIe controller).
    - Programmable Logic Controller PLC (Allen Bradley RSLOGIX 5000 controller, Siemens step7 PLC).
  - Aware of Factory Acceptance Test (FAT) procedure as I participated in the FAT of Foxboro DCS software of West Damietta Power Plant project, I participated in the development of overall control strategy, design of software configuration packages according to project requirement (contract) and design of HMI. Location: Schneider (Invensys) in Milano ITALY. Test duration: From May 2nd to May 27th , 2016.
  - Extensive (application/design) knowledge in gas and steam turbine control system (speedtronic Mark VIe controller), and capable of dealing with plc ladder logic for troubleshooting.
  - Ability to provide information for systems and equipment instrumentation using engineering documents and manuals.
  - Good at maintenance and calibration of pressure, flow & level measurement devices, RTD, thermocouple & other temperature measurement devices.
  - Well versed with panel wiring diagrams and able to read & interpret P&ID diagrams, cable schedules and other instrumentation logic diagrams.
  - Able to troubleshoot control and instrumentation systems at all levels, from field devices to control systems.