

Holds a B. Sc. in Electronics & Communication Engineering and has over 15 years hands-on experience working in I&C field at several Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 07/01/1981  
Gender : Male  
Marital Status : Married  
Residence : Menoufia

## EDUCATION

: B. Sc. in Electronics & Communication Engineering, Menoufia University, 2004

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : SPPA – T3000 special system training, SIEMENS L-University, Karlsruhe, Germany (Feb./Mar. 2007)
- : SIEMENS SPPA – T3000 TEC 4 FDE, SIEMENS Shoubra El-Kheima (Nov. 2008)
- : Siemens-S7 PLC, Power Plant Training Center (PPTC) (Sep. 2013).
- : Experion PKS-6000R501 Special system training, HONEYWELL COMPANY, PUNE - INDIA (Sep./Oct. 2019).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2019 till now  
**Project** : GUPCO Morgan 36 off shore Rehabilitation Project  
**Job Description** :

- I&C Commissioning Engineer for YOKOGAWA - DCS.
- YOKOGAWA fired gas system and emergency shut down ESD system, pneumatic control valves on-off valves.
- Fire gas device devices for (hydrocarbon duct TR gas detector, open

path hydrocarbon gas detector, high ceiling mounted photoelectric smoke detector, ceiling mounted fixed rate of rise temperature heat detector for indoor, break glass manual call point).

- Pre-commissioning (ITR) inspection test record, (FTC) function test certification for fire & gas devices and instrumentation devices, inspection and punch list, hand over, off shore commissioning.

**Dates** : From Apr. 2018 till Jun. 2019  
**Employer** : AC Boilers  
**Project** : SOUTH HELWAN THERMAL POWER PLANT (3x650MW)  
**Job title** : I&C COMMISSIONING ENGINEER  
**Job Description** :

- Pre-commissioning Activities like Continuity check, Loop Check, Leakage Tests, Functional Check of the PCC and Circuit Breakers with the Control System.
- Pre-commissioning Activities like Continuity check, Loop Check, Pneumatic Leakage Tests; Functional Check of the MCC and Circuit Breakers with the Control System.
- Recommendations to the Maintenance Manager on any / all Changes in I&C Maintenance that would improve Plant Availability.

**Dates** : From Jan. 2018 till Mar. 2018  
**Employer** : GS E&C  
**Project** : ERC (Egyptian Refining Company), Mostorod  
**Job Description** :

- Advanced knowledge in commissioning, calibration, Testing and Maintenance for different field instrumentation for (STU & VDU & HCU) Areas.
- Analyzer (PH Conductivity / Turbidity / O<sub>2</sub> / CO / TOC) participated in many overhauls that took place for plant units completely aware of instrument.
- Field instruments (ABB, YokoGawa, Rosemount, Endress+Hauser, Pepperl+Fuchs, VEGA).
- Positioners (Fisher, ABB, Mansoneilan, Sipart, Siemens).
- Actuator Valves (Emerson, Mansoneilan, CCI, Flowserve, Drehmo, Auma, Rotork, Siposi).

**Dates** : From Oct. 2017 till Jan. 2018  
**Project** : ZOHR PROJECT  
**Job Description** :

- Commissioning Engineer Team Leader with Schlumberger contractor.
- Commissioning of Pneumatic control – On/Off – Hydraulic valves.
- Gas-Heat-Flame and fire Detectors (F&G) system.
- Air Compressor.

**Dates** : From Oct. 2016 till Jan. 2017  
**Job Description** :

- Commissioning and start-up with INVENSYS Comp.
- To improvement the burner management system for Marsa Matrouh Power Plant (60MW) DCS FOXORO.

**Dates** : From May 2016 till Aug. 2016  
**Employer** : Egyptian LNG Company (ELNG)

**Job Description** : 

- Perform all instrument maintenance activities which include preventive, corrective and predictive maintenance for all ELNG plant, Prepare the necessary permits to work and Job safety analysis in conjunction with the concerned parties, as well as Ensure that all jobs performed by contractor under his area of supervision is executed in accordance with contractual requirements and company's regulations and procedures. Compile the inputs required to implement RCM in ELNG plant.
- Provide troubleshooting, technical direction, and supervision over preventive and breakdown maintenance for ELNG Instrument and control assets which include Distributed Control Systems, Safety Instrumented Systems, Fire and Gas Systems, Turbine Generators, Turbine compressors, Tank gauging system, metering skid, online analyzers, LNG loading arms, and Marine facilities.

**Dates** : From Jun. 2015 till Aug. 2015

**Employer** : Misr for Chemical Industries

**Job Description** : 

- Perform all instrument maintenance activities which include preventive, corrective and predictive maintenance.
- Prepare the necessary permits to work and Job safety analysis in conjunction with the concerned parties, as well as Ensure that all jobs performed by contractor under his area of supervision is executed in accordance with contractual requirements and company's regulations and procedures.
- Provide troubleshooting, technical direction, and supervision over preventive and breakdown maintenance for Instrument and control assets which include Distributed Control Systems, Safety Instrumented Systems, Fire and Gas Systems, Tank gauging system, metering skid, online analyzers.
- Participate on call duty to provide 24 hours' maintenance key person, who will be the focal point to coordinate among resources to assure the fast response to the emergency situations.

**Dates** : From Apr. 2014 till Apr. 2015

**Employer** : [EGYPTROL](#) – Commissioning Subcontractor for SAMSUNG C&T

**Project** : Qurayyah Independent Power Project (6x750MW) – Combined Cycle  
(Configuration consisting of 12 Siemens SGT6-PAC5000F gas turbine generating units (GTGs), 12 heat recovery steam generators (HRSGs), 6 Siemens SST6-PAC5000F steam generators (STGs))

**Job title** : Lead I&C Commissioning, Start-up & Processing Engineer

**Job Description** : 

- Very good knowledge in Control System SPPA-T3000 Siemens.
- Creating new logic, modification, simulation of Siemens Control system SPPA-T3000 and RTD's, Flow meters, Solenoids, Transmitters, Fire detectors, Flame detectors, Vibration and Switches etc and Controllers.
- Pre-Commissioning Activities like Continuity check, Loop Check, Leakage Tests, Functional Check of the PCC and Circuit Breakers with the Control System.
- Vendor Drawing Review; Inspection of the Field Instruments Detailed Engineering Activities for Instruments like I/O lists, Loop Drawings & Interconnection Drawings. Respective Commissioning.S
- PPA-T3000 Engineering, Maintenance & Service.
- System: hardware and software architecture, redundancy and

peripherals.

- Engineering: function diagram, plant display, archive, integrated engineering, using AF-blocks and prototypes, creating macros, creating trend displays.
- Basic operation: display navigation, alarm sequence display, trouble shooting, s, diagnostic view, and dynamic function diagram.
- Commissioning: point view, online change of parameters, forcing ports.
- Engineering examples (practical exercises): HW-proxies, I/Os, logic, motor control, actuator, protection, closed loop controller, sup-group controller, basic and advanced graphics, display
- Calibration, Installation, Instrumentation piping of all Field Instruments such as Gauges, Thermocouples.
- Commissioning and start-up .
- DCS Commissioning Engineer SPPA-T3000.

**Dates** : From Jan. 2012 till Jan. 2013

- Job Description** :
- Commissioning Engineer of Abu Qir Thermal Power Plant Units 6 & 7, CP-105 (1350MW) with ANSALDO contractor.
  - Good experience in Ansaldo Boiler in the following systems:
    - Burner commissioning and start-up.
    - FDF commissioning and start-up .
    - GRF commissioning and start-up.
    - Lube Oil Skid commissioning and start-up.
    - Air Heater commissioning and start-up.
    - All transmitter commissioning and start-up.
    - All Valves commissioning and start-up.
  - Installation and operation of Lenox TV camera fire sight air cooled system of Attaka Power Plant.
  - Install the volume flow measuring system (D-FL 100) for LAFARGE Cement Factory with Techno Master Company.

**Dates** : From Jan. 2007 till Apr. 2010

- Job Description** :
- With Siemens contractor and ECEI subcontractor as:
    - Construction Engineer of Boiler feed pumps and Motorize pumps.
    - Construction Engineer of Burner Management System (BMS).
    - Commissioning Engineer of Boiler feed and Motorize pumps & Burner Management System (BMS).
  - Supervision of erection and pre-commissioning of the field instruments and wiring to Distributed Control System (DCS), Siemens Power Plant Automation - T3000 System.
  - Commissioning of Intelligent field transmitters and positioners.
  - Commissioning of Individual Drive Logic control (Protection and Interlocks).
  - Commissioning of I/O, s Analog and Digital signals and control functions.
  - Commissioning of Chemical (Ph, Conductivity, Chlorine), Gas and Hydrogen Analyzers.
  - Check the latest As Built and project engineering documents.
  - Enforce Plant Safety Rules and Regulation including the Safety Tagging Procedure.
  - Assist with the Development and Implementation of Preventive

Maintenance Procedure.

- Interface with operation and other departments with the aim of maintaining plant availability and reliability.
- Assist I&C General Manager and the work control center in planning for scheduled outages.
- Install and commissioning of vibration system.
- Make recommendations to the Maintenance Manager on any / all Changes in I&C Maintenance that would improve Plant Availability.

**Dates** : From Jan. 2005 till now

**Employer** : Cairo Electricity Company

**Project** : Shoubra El-Kheima Power Plant  
(4 units each 315MW rating (total of 1260MW rating), 315MW Steam Turbine (Westinghouse), 1072 T/H boiler (Ansaldo))

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

**Job Description** :

- Maintenance of:
  - Turbine Control system (MEH Westinghouse system).
  - Turbine Supervisory system (Bentley Nevada 7200 system).
  - Turbine Emergency Trip system ETS.
  - Burner Management System BMS (SIA system).
  - Boiler Control system (Westinghouse 7300 system).
  - EH Fluid Control System.
  - Lubrication oil Control System.
- Stroking, adjustment and testing Pressure, Temperature, Level and Flow Control Valves.
- Checking the Characteristics of Temperature Elements and the Vibration Probes.
- Calibration and testing of all final control elements, transmitters, switches and controllers and motorize valves.
- Provide Bill of Materials (Spare Parts).
- Inspect and receive Materials from Warehouse.