

Holds a B. Sc. in Electronics & Electrical Communication Engineering and has more than 12 years hands-on experience in Instrumentation and Control Systems Start-up/Commissioning and Troubleshooting of large capacity Gas Turbine, HRSG, Steam turbines & Utilities.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 29/05/1980  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## **EDUCATION**

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

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: Two weeks training in Siemens PLC step 7 by CIMIMONTUBI Co.  
: One week training in wonderware scada by CIMIMONTUBI Co.  
: Three months course in SALESIAN INSTITUTE (DON BOSCO) in control.  
: Four months training course in essential power plant components in Shoubra El-Kheima Power Plant Training Center.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Feb. 2015 till now  
**Employer** : Arabian Bemco Contracting Co. LTD.  
**Project** : Combined Cycle Power Plant PP10 five Blocks 4600MW  
(40 GTs (GE-7EA- 55MW) + 40HRSGs (NEM) + 10STGs (GE-SC4- 128MW)  
+ 10 ACCs Air Cooled Condenser)  
**Job title** : Senior I&C Engineer

**Job Description** : 

- Commissioning of Combined Cycle Power Plant PP10 five Blocks including SAT, CLC, HLC & function test with MVle DCS for HRSG, STG, STA, ACC, SWG, SWAS, WTP, HVAC, Chemical Dosing, Air Compressors, N2, Communication, firefighting Systems.
- Energize & Termination & Ground check for DCS MVle.
- Troubleshooting for the Operating Combined Cycle units.
- CMMS Project (Functional Location, PM, BOM, WO).

**Dates** : From Sep. 2014 till Jan. 2015

**Employer** : TECHINT for Engineering & Construction

**Project** : AIN SOKHNA Supercritical Steam Turbines 2x650MW

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

**Job Description** : 

- Commissioning & Calibration of Instrumentation, Valves... etc. of CP-118 including SAT, CLC, HLC & Function Test for BONO Auxiliary Boiler, CAMERON Centrifugal Air Compressors, Feed water system, Demi water system, Sump Pump systems, Nitrogen generation Plant, Solar Tank, Mazout Tank & HVAC System.
- SIMPLEX Fire alarm & Firefighting systems (FM200 System, Jockey, Electrical, Diesel pumps, Smoke Detectors, Heat Detectors, Deluge Valves, Pull Station, Horn, Siren... etc.) for all power plant.

**Dates** : From May 2014 till Aug. 2014

**Employer** : Combined Group for Contracting Co.

**Project** : Kuwait Oil Company KOC – Storage Chemical Tanks

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

**Job Description** : Commissioning of Storage Chemical Tanks including Calibration, SAT, and CLC, HLC & Function Test for field Instrumentations, fire alarm and fire fighting.

**Dates** : From Oct. 2012 till Apr. 2014

**Employer** : TECHINT Company

**Project** : AIN SOKHNA Supercritical Steam Turbines 2x650MW

**Job title** : I&C Engineer

**Job Description** : 

- Commissioning & Calibration of Instrumentation, Valves... etc. of CP-118 including SAT, CLC, HLC & Function Test for BONO Auxiliary Boiler, CAMERON Centrifugal Air Compressors, Feed water system, Demi water system, Sump Pump systems, Nitrogen generation Plant, HVAC System.
- SIMPLEX Fire alarm & Firefighting systems (FM200 System, Jockey, Electrical, Diesel pumps, Smoke Detectors, Heat Detectors, Deluge Valves, Pull Station, Horn, Siren... etc.) for all power plant.

**Dates** : From Dec. 2011 till Aug. 2012

**Employer** : [EGYPTROL](http://www.egyptrol.com), Ansaldo Energia Subcontractor

**Project** : 6th October Power Station 600MW  
(consists of four simple cycle gas turbines (4x150MW), AE 94.2 Ansaldo gas turbine (with Symphony Harmony control system))

**Job title** : I&C Engineer

**Job Description** : Commissioning and maintenance of Power plant systems like Fuel Skid, pulse cleaning system, firefighting system, raw water system, demi water system, closed cooling, fuel oil system Air Compressor and HVAC system with ABB Symphony Harmony control system.

**Dates** : From Mar. 2008 till Nov. 2011

**Employer** : Cairo Electricity Power Company

**Project** : Cairo North Combined Cycle Power Plant Two Modules 1500MW  
(2 GTs (GE-9FA- 250MW) + 2 HRSGs (NEM) + STG (ALSTOM- 250MW) + 2 GTs (MHI - 250MW) + 2 HRSGs (NEM) + STG (HITACHI - 250MW))

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

**Job Description** :

- Major, Combustion and (HGP) inspections of 4 Gas Turbines.
- Maintenance, Calibration of All field Instrumentation & Valves with MVI, MVLe, and DIASYS control systems.
- Maintenance of BN 3500 vibration Monitoring system, ATLAS COPCO Air compressors, Gas Compressors, PARKER Diverter Damper, Fire alarm, Firefighting systems and Nitrogen Generation Skid.

**Dates** : From Jan. 2005 till Feb. 2008

**Employer** : Electro Hydraulic Automation (LG Industrial Systems Sole Agent)

**Project** : Upgrade the Control and Automation of all the industrial lines

**Job title** : I&C Engineer

**Job Description** :

- Upgrade the control and Automation of all the industrial lines such as Textile, Plastic, food production using PLC, VFD & HMI.
- VFD installing, programming and troubleshooting.
- Technical support for GEFAN instrumentation & LG PLC.

**Field of experience** :

- More than 12 years hands-on experience in Instrumentation and Control Systems Start-up/Commissioning and Troubleshooting of large capacity Gas Turbine, HRSG, Steam turbines & Utilities.
- Knowledge in Control philosophy (Diverter Dampers, Soot blowers, ACC, BFW System, WTP and HRSG).
- Manpower planning and utilization, target focused work planning and execution, maintaining quality oriented workmanship to complete the project in time.
- Coordinating with QA & QC, PTOP, and Construction team to finalize ECC and Commissioning Packages for the Client.
- Coordinating with the operation for Operating Combined Cycle units troubleshooting.
- Support and guidance to the Construction team to clarify the proper Installation of field Instruments to follow as per hock-up drawings.
- Review of control philosophy, P&I diagrams, cause & effect diagrams, instruments list, and flow chart.
- Strong background in motor defects, soft starters, VFD, star/delta starters, MCC.
- Manage the activities such as continuity check, loop check and function check for all instrumentation, Control, PLC & DCS Systems.
- Develop system packages according to client standard procedures.
- Experience in VFD installing, programming and troubleshooting.
- Experience in Calibration of Instrumentation, Valves.

- Experience in Vibration Monitoring System (Bently Nevada & Seismic).
- Experience in Diverter damper (PARKER, BACHMANN), operation and control.
- Experience in Fire alarm, Detection & firefighting systems (FM200, Jockey, Electrical, Diesel pumps, Smoke Detectors, Heat Detectors, Deluge Valves skids, Horn, Speaker, Pull Station, ...etc.).
- Experience in GE DCS MVI, MVLe.
- Experience in Gas Compressors, Air compressors (ATLAS COPCO Piston-type & CAMERON Centrifugal).
- Experience in many inspections like major inspections, Combustion inspections and hot gas path (HGP) inspection for General Electric (GE), Mitsubishi (MHI) and Ansaldo Gas Turbines.
- Experience in CMMS Project (Functional Location, PM, BOM, WO).
- Review vendors' documents, maintenance manuals and spare parts lists. Draft Instruments maintenance procedures necessary for Plant operations and participate in CMMS development and implementation.
- Participate in Plant commissioning activities, raise I&C punch list items and warranty claims as appropriate.
- Daily and weekly reporting for Loop check and functional test activities; Preparation of the Punch lists.
- Study of PID, Instrument data sheets for all field instruments i.e., analyzers, DCS, PLC, Transmitters, flow elements ....etc.
- Checking of total instrumentation and controls for package equipment's like turbines, air compressors, and heavy machinery.
- Installation and commissioning of DCS, PLC's (AB, Siemens, Schneider, Honeywell), SCADA, HMI and RTU.
- Process facility commissioning, troubleshooting and maintenance.
- Validate 'as-built' drawings against the actual site conditions through detailed site survey.
- Review and finalize the Document Deliverable list for complete scope.
- Review the Documentation Deliverable received from other vendors.
- Co-ordination with other third party vendors for progress, technical issues etc.
- Inspection & testing of 3rd party systems.
- Co-ordination and monitor the site work of 3rd party vendors.
- Perform detailed site surveys for 3rd party systems.
- Expertise in coordinating from different locations/internal departments for ascertaining specifications for new designs by modifying the existing designs.
- Manage Sub-Contractors representative for I&C commissioning activities.
- Ensure all I&C commissioning documentation is maintained and procedures compiled with during execution.
- Manage interfaces with construction disciplines, vendors, QC and client to ensure task completion on time.
- Skills:
  - Achieve HSE awareness on the job to ensure full buy-in of the HSE policies by all staff which helped to achieve the HSE targets.
  - Work independently with minimum support and guidance.
  - Team work oriented & leadership.