

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

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 06/08/1983  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## **EDUCATION**

: B. Sc. in Electronics & Communication Engineering, 2005

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: Control system and instrumentation for Steam turbine, Generator and Condenser from "Mitsubishi Heavy Industry" in Japan (Nagasaki).  
: YOKOGAWA CENTUM CS300.  
: Bechtel training for Basic of Thermal Power Stations.  
: Safety training by PGESCO.  
: Control system and instrumentation for Steam turbine "Mitsubishi".  
: Programmable Logic Control (PLC) Siemens Step7 Part 1.  
: Programmable Logic Control (PLC) Siemens Step7 Part 2.  
: Transformers.  
: Auxiliaries.  
: Generators.  
: Switchyard.  
: Operation system of power station.  
: ICDL

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2014 till now
- Employer** : Arabian Bemco Contracting Co.
- Project** : Saudi Arabia Riyadh Combined Cycle Power Plant PP10 - CCPP 3600MW (10 Power Block (4x4x1)) - HRSG NEM, STG GE, Steam Air Condenser, WATER TREATMENT PLANT
- Job title** : Lead Instrument Commissioning & Start-up Engineer
- Job Description** :
- Responsible for the commissioning activities at HRSGs, Steam turbine GE SC4, Condensate Extraction and Closed Cooling pumps, Air cooled condenser system.
  - Worked with GE Vendor for smooth completion of the work related to I&C works at steam turbine GE SC4 (270T853) and Generator GE 290T853 (132MW).
  - Powering up GE control system (Mk VIe), Cold & Hot loop checks.
  - Commissioning of all auxiliary systems like: Lube oil, lift oil, oil conditioner, vapor Extractor Hydraulic oil Skid and its oil conditioning skid.
  - Calibration of ESD valves (Shut off Valves).
  - Functional check and calibration of all valves like: Main Steam Valves, Motor Operated Valves (MOV's), and Air Operated Valves (AOV's).
  - Carry out the initial rolling of the turbine to reach to full speed no load (FSNL), Synch and reach the base load.
  - Perform all the function tests with GE TA like: Offline/ Online Over speed Test (Primary & Emergency), Offline/ Online ETD Test, Steam Valves Test (MSV & ASV), Trip Anticipator Test, and Valve Tightness Test (MSV & ASV).
  - Commissioning of the boiler auxiliaries with Vendors: Diverter Dampers (Bachmann), Soot blower (Diamond Power), Boiler Feed water pumps (Thermomeccanica), Steam sampling & Analyzers (SWAN), Continuous Emission Monitoring System (Chemtrols) and Steam Bypass Valves (Koso-Rexa) with the Vendors.
  - Lead and guide the Commissioning Group of technicians in the discipline of Instrumentation and other related disciplines in terms of project delivery, safety and plant reliability in the frame of Commissioning Group Strategy and its Guidelines.
  - Energization of Instruments, equipment's, MARK VI E Control cabinets / Panels, Network Cabinets.
  - Ensure that the quality of the work completed is to project design for the Instrumentation discipline using understandable quality procedures.
  - Ensuring statutory compliance for all Instrumentation installations, equipment and works across the site.
  - Witness and sign off construction activities as completed, including loop functional checks, pre-commissioning and commissioning of the new systems.
  - Supporting the Commissioning Manager for initial planning, establishing necessary procedures, documents, resource planning, client coordination, vendor coordination and execution of pre-commissioning, commissioning, start-up and performance tests.
  - Liaise with client management to identify specialized training that may be performed during Pre-Commissioning and Commissioning works.

- Provide input to completion database organization and design including definition of system and sub-system boundaries, creation of systems completions packages, population of testing requirements, and automatic status reporting under guidance of the Commissioning Manager.
- Extensive experience in Troubleshooting.
- Produce daily and weekly Commissioning status reports detailing progress and key issues which may need to be addressed to management to resolve.

**Dates** : From Aug. 2013 till Aug. 2014  
**Employer** : Hitachi Thermal Power Systems  
**Project** : El Ain El Sokhna 2x650MW Steam Power Pplant  
**Job title** : Senior Instrument Commissioning & Start-up Engineer  
**Job Description** : Worked in calibration, testing, commissioning and start-up all instruments of steam turbine.

**Dates** : From Mar. 2013 till Jun. 2013  
**Employer** : MEGA for Construction & Commissioning  
**Project** : Banha 750MW Combined Cycle Power Plant (2x250MW GE Gas Turbine frame 9FA with DCS control system "Mark6e")  
**Job title** : Instrument Commissioning & Start-up Engineer

**Dates** : From Jan. 2011 till Mar. 2013  
**Employer** : Kharafi National Company  
**Project** : 500MW Damietta Project (4x125 GE Gas turbines with BOP and main DCS)  
**Job title** : Calibration Lab Engineer  
**Job Description** :

- Calibration of the new power station 4 units Gas turbine with water treatment plant and worked in construction, pre-commissioning, commissioning and start-up tests of the GE Gas turbine DCS control system "Mark VIe" and Main DCS system for all plant YOKOGAWA.
- 500MW West Damietta Project (from Jan. 2011 till Dec. 2011): Calibration and testing all instruments of the new power station 4 units Gas turbine with water treatment plant and worked in construction, pre-commissioning, commissioning and start-up tests of the GE Gas turbine DCS control system "Mark VIe".

**Dates** : From Dec. 2006 till Dec. 2010  
**Employer** : Cairo Electricity Production Company under Holding Company for Electricity  
**Project** : Cairo West Power Plant:

- Steam Turbine project: 700MW, it consists of two steam turbines "Mitsubishi" and two Boilers "Hitachi" type.
- Steam Power Station: 640MW, it consists of two steam turbines "Siemens" and two boilers.

**Job title** : I&C Engineer

- Field of experience :**
- Installations of devices, service, calibration, repair and testing of all pneumatic and electronic control instrumentation in the process and utilities.
  - In addition, I worked in construction, pre-commissioning, commissioning and start-up tests of the new power station under supervision.
  - Also, I am working in Steam turbine "Mitsubishi", monitoring system and DCS YOKOGAWA construction and commissioning.
  - Installations of continuous emission monitoring system (CEMS) and interface signals for (DCS) via hard wire connection.
  - Instruments:
    - Flow Measurement.
    - Level Measurement.
    - Pressure Measurement.
    - Temperature Measurement.
    - Analytical Measurement.
    - On/off Valve and Control Valves.