

Holds a B. Sc. in Electronics Engineering (Automatic Control & Measurements) and has over 21 years' experience working mainly in I&C field.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 14/07/1976  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Electronics Engineering (Automatic Control & Measurements),  
Menoufia University, 1999

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: Training at The International Co. (Gold Star) Bahgat Group (Jul. 1997).  
: Training at Melcomec Egypt Co. (Mitsubishi Elevators) (Jan. 1999).  
: Power Station principle (Bechtel Training course) in Shoubra El-Kheima  
Power Station (in 2003 for 4 months).  
: Mitsubishi Heavy Industries Inc. course for operation and maintenance of  
Gas Turbine in Cairo North Power Station for 3 weeks (Jan. 2004).  
: SPPA-T3000 DCS system training course in the L-University (Siemens  
Factory in Germany) for 1 month (Aug. 2007).  
: PLC S7 Principals and programming (Apr. 2012).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2022 till now  
**Employer** : AYESA Engineering, Technology, Consultancy Co.  
**Project** : YANBU III Sales Gas Line

- Job title** : I&C Engineer
- Job Description** : Supervisory and consultancy activities of the Instrument and controls system for the N Gas line and Pressure Reduction Station for YANBU III Desal and power plant.
- Dates** : From Oct. 2018 till Dec. 2021
- Employer** : YANBU Desalination Plants Engineering Division
- Job title** : Technical Support I&C Engineer
- Job Description** :
  - DCS and control problem solving support, field instruments activities support, DCS logic modification.
  - Study the trip incident and investigate the root cause of failure.
  - Study the modification issued by all departments and make feasibility study for it.
  - Study the chronic problem in the plant and issue the recommendation or modification needed to prevent it.
  - Study and issue the scope of work for the new project.
  - Issue and perform some modification to increase the reliability and dependability of the units.
- Dates** : From Sep. 2007 till Oct. 2018
- Employer** : Cairo Electricity Production Co.
- Project** : Shoubra El-Kheima Power Station
- Job title** : I&C Engineer
- Job Description** :
  - Perform all control loops supervisory works for Boiler and Turbine in Shoubra El-Kheima Power Plant (4x315MW Steam turbine).
  - DCS SIEMENS T3000 Administrator responsible for All software modification and hardware troubleshooting (adding new hardware, Loading S7 stations, logic modification, fault analysis).
  - I&C Division Manager (from Jul. 2017).
- Dates** : From Mar. 2018 till Jun. 2018
- Employer** : AC Boilers
- Project** : South Helwan Power Plant
- Job title** : Boiler Commissioning & Start-up Engineer
- Job Description** :
  - Loop check, cold commissioning and hot commissioning for Supercritical Boiler.
  - Logic revision and tests for all field equipments (Forced Draft fans, Gas Recirculation fans, Burner shutoff valves, ...etc.).
  - Check all signals between DCS Schneider EVO and boiler instruments.
  - First firing for boiler burners and boiler start-up.
- Dates** : From Nov. 2014 till Mar. 2015
- Employer** : PEMCO Company
- Project** : Shouaiba Power Plant, KSA
- Job title** : I&C Team Leader
- Job Description** :
  - Boilers # 1, 2, 3, 4, 5 and 11 annual inspection activities.
  - Supervision for all shutdown activities for I&C side.
  - Repair all the calibration reports as Saudi Electricity Co. standards.

- Boiler equipments check with DCS.
- Boiler start-up support.

**Dates** : From Dec. 2013 till Feb. 2014  
**Employer** : PEMCO Company  
**Project** : Shouaiba Power Plant, KSA  
**Job title** : I&C Team Leader  
**Job Description** :

- Boilers # 1, 2, 3, 4, 5 and 11 annual inspection activities.
- Supervision for all shutdown activities for I&C side.
- Repair all the calibration reports as Saudi Electricity Co. standards.
- Boiler equipments check with DCS.
- Boiler start-up support.

**Dates** : From Sep. 2008 till Mar. 2010  
**Employer** : SIEMENS  
**Project** : Shoubra El-Kheima Power Plant - Rehabilitation of control system  
**Job title** : DCS Commissioning Engineer  
**Job Description** :

- Construction of DCS network and check it.
- Download the hole project software on the PLCs.
- Loop check, Cold Commissioning and Hot Commissioning for Boiler, Turbine and BOP.
- Perform needed modification on the logic and wiring.
- Perform cabinet internal wiring modification.
- Start-up the units after upgrade.

**Dates** : From Nov. 2002 till Sep. 2007  
**Project** : Shoubra El-Kheima Power Station 4x315MW Steam Turbine  
**Job title** : Operation Engineer  
**Job Description** :

- Field equipment status check for normal operation or fault condition.
- Issue work permits for maintenance departments work activities.
- Arrange all equipments shutdown, isolation and start-up.
- Electrical HV and MV electrical distribution lines connection and disconnection.
- Supervision on all shutdown and overall inspection for all equipments.
- Units start-up and shutdown activities.

**Dates** : From May 2001 till Nov. 2002  
**Employer** : Silicon Expert Tech Inc.  
**Job title** : Product Engineer in sustain and QA team  
**Job Description** : Database construction for Opto Electronic devices (LED, Display, Photodiode, Opt couplers).

**Further experiences** :

- Worked as Trainer for Egyptian engineers and other nationalities from different Arab Countries (Sudan and Iraq) for Boiler Control System in Shoubra El-Kheima Training Centre.
- Trainer for Egyptian engineers and other nationalities from different Arabic Countries (Libya and Iraq) in Siemens SPPA T3000 DCS System Basics.

- Field of experience** :
- Good knowledge of DCS SIEMENS SPPA T3000 system (Hardware and Software).
  - Good knowledge of PLC S7 and SIMATIC manager.
  - Good knowledge of field instrumentation calibration and adjustments such as Control valves, Transmitters (pressure, flow, level and temperature), vibration and temperature sensors.
  - Fault signal tracing and loop checking to analyze root cause analysis.
  - Creating of loop drawing for control loops.
  - Design and implement logic diagrams and control circuits.