

Holds B. Sc. and M. Sc. in Electronics & Electrical Communications Engineering and PhD in Electrical Engineering. Has more than 15 years hands-on experience, including 14 years working in I&C field at Cairo North Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/08/1984
Gender : Male
Marital Status : Married
Residence : Qalubia

EDUCATION

- : B. Sc. in Electronics & Electrical Communications Engineering, Menoufia University, 2006
- : M. Sc. in Electronics & Electrical Communications Engineering, Menoufia University, 2018
- : PhD in Electrical Engineering, Menia University, 2022

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Access, Power Point), Internet
- : MS Project
- : AutoCAD
- : Matlab
- : C & C++ Programming

TRAINING COURSES AND CERTIFICATIONS

- : PLC S7 - WinCC HMI screens - in Training Center of CEPC (2016).
- : Programmable Logic Control (PLC), Training Center of CEPC (2013).
- : Basic Instrumentation course in Training Center of CEPC (2011).
- : Fire Fighting & general protection in Cairo Civilization Defense Department (2012).
- : GE Energy Optimization & Control Technology Day (2008), including:
 - Plant Wide Asset Condition Monitoring.

- Power Plant Performance Monitoring.
 - Combined Cycle Power Plant Control.
 - Generator Protection.
 - Excitation System.
- : CCNA, CCNP (Certification-ID#11224028), Synergy P.S. Cairo (2007).
- : Security+, Network+, Project+ (Synergy P.S. Cairo) (2007).
- : Dale Carnegie:
- Effective Communications and Human Relations (Communication Skills).
 - High Performance teams (Team Work).
 - Problem Solving & Decision Making.
 - Successful Public Speaking (Presentation Skills).
 - World Class Customer Services (Customer Service).
 - Planning Process.
 - Basic Sales.
- : Berlitz:
- Meetings and Presentation.
 - Basic Marketing.
 - Technical & business writing.
- : English: TOEFL Certified (2015).
- : ICDL certificate.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2008 till now
- Employer** : Cairo Electricity Production Company (CEPC)
- Project** : Cairo North Power Station:
 Consists of 2 modules (I & II), each module produces 750MW capacities. Each module contains 2 gas turbines (2x250MW), 2 HRSG and one steam turbine (1x250MW):
- 2x250MW (GE, MS 9FA) Gas Turbines Manufactured by GE Company.
 - 2x250MW (MHI, M701F) Gas Turbines Manufactured by MHI Company.
 - 4 HRSG (Heat Recovery Steam Generator) Manufactured by NEM Company.
 - 1x250MW Steam turbine Manufactured by ALSTOM Company.
 - 1x250MW Steam turbine Manufactured by Hitachi Company.
 - EMIT water treatment plant and KSB (Closed Cooling Pumps, Condensate Pumps, Circulating water pumps, Service Water Pumps and Boiler Feed Water Pumps).
- Job title** : I&C Engineer
- Job Description** :
- Perform the required periodic, corrective, preventive, and predictive maintenance & inspection of all FOXBORO DCS Components (Control Network Components, Control Stations, Control Cards, Control & Marshaling Cabinets, etc.).
 - Working on Different Control Systems (TCS – PLC & DCS) like:
 - GE Speedtronic Mark VIe Control System.

- GE Speedtronic Mark VI control system.
- FOXBORO IA System – Schnider (Invensys) - Control System.
- Siemens Simatic step-7 PLC.
- GE-ALSTOM Controcad Control System.
- Perform the required periodic, corrective, preventive, and predictive maintenance & Yearly overhaul inspection of HRSG Instruments including:
 - Calibrating electronic Smart Transmitters.
 - Calibrating & Adjusting the Valve Actuators (Motorized, Hydraulic & Pneumatic) Control.
 - Adjusting Pressure and Level Switches.
 - Electronic Level Indicators and its Electronic Cabinet.
 - Seismic / Bently Nevada system test and maintenance.
- Participating in the Factory Acceptance Test (FAT) for PO-114 of Honeywell DCS software and logic for Cairo West Power Station – supercritical steam turbine project.
- Participating in the overhaul Inspection, commissioning, and Start-up of ALSTOM Steam Turbine (1x250MW) from 20/10/2014 till 25/8/2015 after the FIRING ACCIDENT.
- Participating in the Inspection of HITACHI Steam Turbine (1x250MW).
- Participating in the Inspection of ALSTOM Steam Turbine (1x250MW).
- Participating in the Inspection of MHI Gas Turbine - M701F - (2x250MW).
- Participating in the Inspection of GE Gas Turbine – Frame 9FA - (2x250MW).

Dates : Jan. 2020, Mar. 2022 and Sep. 2022
Employer : Osborne Training Services – OTS
Job title : I&C Instructor (Free Lancer)
Job Description : SPEEDTRONIC MARK VIe Operation & Maintenance Theoretical and Practical Training Course at UK and UAE.

Dates : From Nov. 2017 till Apr. 2020 (part time)
Employer : TARGET Engineering
Job title : I&C Engineer
Job Description : Pre-commissioning and commissioning for ZOHR (natural gas) Field Development Project of PETROBEL in Port Said.

Dates : Nov./Dec. 2015
Employer : Millennium Solution Training Center (MSTC)
Job title : I&C Instructor (Free Lancer)
Job Description : Instruct & Conduct the following courses:

- Power Electronics.
- Calibration and Tuning of Process Controllers.

Dates : Dec. 2014
Employer : Engineering Misr System (EMS) Company, subcontract PETROMAINT Company
Job title : Loop Check / Calibration Engineer

- Job Description** : Make the required Instrumentation calibration for the new extension of NEAG-1 Project of BAPETCO in Egyptian Bahariya Oasis.
- Dates** : Sep. 2014
- Employer** : AL-ARAAB Contracting Company (ACC)
- Job title** : GE Mark Vie Instructor
- Job Description** : SPEEDTRONIC MARK Vie Operation & Maintenance Theoretical and Practical Training Course at King Khalid Military City – KKMC, Saudi Arabia; for a new Gas Turbine Frame 5 - MS5000 Controlled by a Mark Vie control system.
- Dates** : Sep./Oct. 2012
- Employer** : ISCOA (a SIEMENS Company)
- Job title** : GE Mark VI Control Specialist Engineer
- Job Description** : Participating in Start-up & Commissioning for GE gas turbine (frame 7) after overhaul inspection with a Mark VI control system in Abqaiq Plant – ARAMCO.
- Dates** : Sep. 2011, Dec. 2011 – Jan. 2012, Mar./Apr. 2012, May 2012
- Employer** : ISCOA (a SIEMENS Company) (Dammam / Riyadh / Jeddah / Abha)
- Job title** : I&C Instructor (Free Lancer)
- Job Description** : Instruct and Conduct the following courses:
- Smart Transmitters.
 - Pumps, Control Valves & Actuators.
 - Gas Turbine Control System (Mark V).
 - Introduction to PLC, SCADA & DCS.
 - Basic Instrumentation.
 - Automatic Process Control.
 - Calibration & Maintenance of Meters.
 - PLC Elementary & Advanced.
 - Distillation Control Operation.
 - Instrumentation & Process Control.
- Dates** : From Jun. 2008 till Aug. 2011
- Employer** : YAT Education Centers & JELECOM Training Center
- Job title** : Cisco Instructor (Free Lancer)
- Job Description** : CCNA Instructor
- Dates** : From Jul. 2007 till Mar. 2008
- Employer** : System Engineering of Egypt (SEE) Cisco Certified Silver Partner
- Job title** : Network Security Engineer
- Job Description** : Support on Security Devices from different vendors such as Cisco and Blue Coat Systems.
- Field of experience** :
 - Total experience of 15 years in power generation plant and computer infrastructure networking.
 - Senior Instrumentation & Control (I&C) Engineer with an experience of

more than 14 years in Combined Cycle Power Plant.

- Commissioning and start-up of GE Gas Turbine Frame (5, 7F & 9FA) Gas turbines.
- Experienced in control systems (GE Speedtronic MARK V & Mark VI) and (Invensys FOXBORO I/A series).
- Experienced in maintaining & troubleshooting HRSG, control systems, equipment, and Instrumentation.
- 6 years' experience working as a Freelancer (I&C) Instructor.
- 3 years working as a Freelancer CISCO Network Instructor.