

Holds a B. Sc. in Electronics & Electrical Communications Engineering and has more than 11 years hands-on experience, including 10 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 Optical Communication Networks (Performance Enhancement of Optical Wireless Networks) (in progress), Menoufia University

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

: 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 produce 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** :
 - Periodic (corrective, preventive, predictive) maintenance & yearly overhaul inspection of all HRSG Instruments, including:
 - Calibrating electronic Smart Transmitters (Flow, Level, Pressure & Diff. Pressure) of:
 - Honeywell Smart Transmitters using the SFC.
 - Rosemount Smart Transmitters using HART 375 & 475 Field Communicator.
 - Yokogawa Transmitters using BT200 Brain.

- FOXBORO Smart Transmitters using HART 375 & 475 Field Communicator.
- Calibrating & Adjusting the Valve Actuators (Motorized, Hydraulic & Pneumatic Control Types) of:
 - DREHMO Motorized Valve Actuators.
 - AUMA electric Valve Actuators.
 - Fisher FIELDVUE & Siemens Pneumatic Control Valve Actuators with its Regulators, Solenoids & I/P Positioners.
- Adjusting Pressure and Level Switches.
- Electronic Level Indicators and its Electronic Cabinet.
- Seismic / Bentley Nevada system test and Replacing of any faulty components.
- Periodic (corrective, preventive, predictive) maintenance & inspection of all FOXBORO DCS Components (Control Network Components, Control Stations, Control Cards, Control & Marshaling Cabinets, etc.).
- Participating in the Case study of Abu Sultan Steam Station (4x150MW) about Control Logic Modifications for Feed Water Pumps renewal with a new stuff with all required modifications in instrumentations in the field (with ECEI Company).
- Participating in the Inspection of GE Gas Turbine – Frame 9FA (2x250MW) (from Mar. 2008 till May 2008).
- Participating in the Inspection of MHI Gas Turbine - M701F (2x250MW) (from Nov. 2008 till Feb. 2009).
- Participating in Gas Compressor Overhaul Inspection for all Its Instrumentation (Control Valves, Stop Valves and Transmitters) Controlled by simatic step 7 Siemens.
- Participating in the Inspection of ALSTOM Steam Turbine (1x250MW) (from Jan. 2011 till Feb. 2011)
- Participating in the Inspection of HITACHI Steam Turbine (1x250MW) (from February 2012 till April 2012).
- Participating in the overhaul Inspection of ALSTOM Steam Turbine (1x250MW) (from 20/10/2014 till 25/8/2015) after the FIRING ACCIDENT, responsible for:
 - Dismantling all damaged Cables.
 - Installing, Testing & Commissioning for the new cables.
 - Commissioning for the Field Instruments with its Control loop test.
 - Commissioning & Start-up for the STG turbine.
- Working on Different Control Systems (TCS – PLC & DCS) like:
 - GE Speedtronic Mark VI Control System with its TOOLBOXST and CIMPLICITY.
 - GE Speedtronic Mark VIe control system; with its TOOLBOX and CIMPLICITY.
 - FOXBORO IA System – Invensys - Control System; with its ICC and Fox Draw & Fox View packages and AIM* historian.
 - Siemens Simatic step-7 PLC
 - GE-ALSTOM Controcad Control System (Fair Knowledge).
- Spare parts identification/selection and ordering to support for warehouse/store balance.
- Make the required Instrumentation/Equipment Cards according to Preventive Maintenance (PM) Program.

Dates : From Nov. 2017 till now (part time)
Employer : TARGET Engineering
Job title : I&C Engineer
Job Description : Making the required calibration, loop check and commissioning for the 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 required calibration and loop check for Instrumentation (Control Valves – Pressure Transmitter – Level Transmitter) 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 Vle Instructor
Job Description : SPEEDTRONIC MARK Vle 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 Vle control system: The Training Course for Operation & Maintenance Departments included the both Theoretical & Practical parts; includes the Mark Vle Maintenance Labs from GE Learning Center.

Dates : Sep./Oct. 2012
Employer : ISCOA (a SIEMENS Company)
Job title : GE Mark VI Control Engineer
Job Description : Participating in Start-up & Commissioning for GE gas turbine (frame 7) after overhaul inspection with a Mark VI control system in ARAMCO Abqaiq Power Plant – Saudi Arabia; checking the following:

- The system Diagnostic Alarms.
- Adding new Cimplicity screens.
- Checking Cabinet Hardware & Interconnection for ground faults.
- LVDT Auto Calibration using Toolbox.

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
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 Systems (Cisco Security Agent "CSA", IDS & IPS – Routing & Switching).
- Installation of Cisco IPsec VPN site to site.
- Blue Coat Systems (Security Gateway "SG" Appliance).

Field of experience :

- Total experience of 11 years in power plant and computer networking.
- Instrumentation & Control / DCS Engineer with an experience of 10 years in Combined Cycle Power Plant.
- Commissioning and start-up of GE Gas Turbine Frame (5 & 7F) Gas turbines.
- Experienced in control systems (GE Speedtronic MARK V, Mark VI & Mark VIe & Invensys FOXBORO I/A series).
- Experienced in maintaining & troubleshooting control systems, equipment and Instrumentation.
- 4 years experience working as a Freelancer (I&C) Instructor.
- 3 years working as a Freelancer CISCO Network Instructor.