

Holds a B. Sc. in Electronic & Communication Engineering and a Master degree in Instrumentation & Control Engineering. Has over 11 years hands-on experience in I&C field. Working in construction, pre-commissioning, commissioning and start-up tests of several Power Stations and also in installations of devices, service, calibration, repair and testing of all pneumatic and electronic control instrumentation in the process and utilities.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/03/1981
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electronic & Communication Engineering, 2002
: Master in Instrumentation & Control Engineering, Arab Academy For Science & Technology, 2010 (Supervisory Control and Data Acquisition (SCADA) Multi stage brine recirculation flashing tank desalination plant using the SCADA/HMI system)

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Certificates:

- Control system and instrumentation for steam turbine, Generator and Condenser, Ansaldo Energia, Genua – Italy.
- Control system and instrumentation for HRSG, NEM.
- YOKOGAWA CENTUAM CS300.
- Control system and instrumentation for Gas turbine "Mitsubishi".
- Atlas Copco Gas Compressors.
- Programmable Logic Control (PLC) Siemens Step7 Part 1.
- Programmable Logic Control (PLC) Siemens Step7 Part 2.

- Distributed Control System (DCS) Bille System.
 - Distributed Control System (DCS) Siemens System.
 - Transformers.
 - Auxiliaries.
 - Generators.
 - Desalination plant.
 - Switch yard.
 - Operation system of power station.
- : Training courses:
- SCADA System using WINCC.
 - SCADA System using RSVIEW ALLEN BRADLEY.
 - Industrial Control Application.
 - Field bus Principle.
 - 2500 SIS Critical Control & Safety (SIL-3) Applications.
- : Summer trainings at:
- Petroleum Projects and Technical Consultation (PETROJET), Aug. 1999.
 - El Nasagon El Sharkuon, Jul./Aug. 2000.
 - Petroleum Projects and Technical Consultation (PETROJET), Jul./Aug. 2001.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2010 till now
- Employer** : Kharafi National Company
- Projects** :
- KOC Project:
 - Worked in Design of Kuwait Oil Company Brine Water Pumping Facility Project in creat a Main Basic Design Criteria Report, Control philosoph, design drawing of P&ID, SCADA control loop, instrumentation list, Data points and instrumentation data sheets (Position: Senior Instrumentation & Control Design Engineer).
 - West Damietta Power Station (500MW, 4x125 GE Gas turbines with BOP, main DCS and Oil and Gas Station with connection pipe lines), Position: I&C Engineer:
 - Worked in construction 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 METSO (DNA).
 - Al-Shabab Power Station (1000MW, 8x125 GE Gas turbines with BOP, main DCS and Oil and Gas Station with connection pipe lines), Position: I&C Engineer:
 - Worked in construction of the new power station 8 units gas turbine with water treatment plant and working 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.

- Umm Al-Hayman Waste Water Project: 500,000 m3/d (Position: Instrumentation and Control Design Engineer):
 - Worked in Design and Supervision of construction of Umm Al-Hayman plant extension and create a design drawing of P&ID, SCADA control loop, instrumentation list and instrumentation data sheets.
- Sulaibya Waste Water Project 600,000 m3/d (Position: Instrumentation & Control Design Engineer):
 - Worked in design of the new Waste Water Station in Instrumentation and Control Department to create a design drawing of P&ID, SCADA control loop, instrumentation list and instrumentation data sheets.
- Kuwait University Project (Instrumentation & Control Design Engineer):
 - Worked in BMS and control system Design Drawing with cable schedule and cable routing.

Job title : I&C Engineer / I&C Design Engineer

Dates : From Dec. 2005 till Dec. 2010

Employer : West Delta Electricity Production Company

Project : Sidi Krir Power Plant:

- Steam Power Station: 640MW, it consists of two steam turbines "Siemens" and two boilers.
- Combined Cycle Project: 750MW, it consists of one steam turbine "Ansaldo", two gas turbines "Mitsubishi" and two "HRSG" NEM type.

Job title : I&C Engineer

Dates : From Oct. 2002 till Dec. 2005

Employer : Deeb Engineering Industries

Job title : Control Panel Builder Engineer

- Field of experience** :
- Installation of devices, service, calibration, repair and testing of all pneumatic and electronic control instrumentation in the process and utilities.
 - Working in Gas turbine "Mitsubishi", underground 500KV power monitoring system, "HRSG" NEM type, steam turbine "Ansaldo" and DCS YOKOGAWA construction and commissioning.
 - Worked also in construction, pre-commissioning, commissioning and start-up tests of the new power station under supervision.
 - Installations of continuous emission monitoring system (CEMS), a common DAHS and interface signals for DCS via hard wire connection.
 - Controller:
 - DCS: Working in comissioning and start-up of METSO control system ACN-CS.
 - DCS: Working in comissioning and start-up of GE control system MARK VIe.
 - DCS: working in commissioning and start-up of YOKOGAWA CENTUAM CS300, working in control SAMA diagram.
 - DCS: ABB "Symphony Harmony Control System" Bailey Inf 90.
 - SIEMENS: S7 312/300 (SIMATIC STEP 7), S7 224/212 (SIMATIC MicrWin), S5 95u/100/115 (SIMATIC STEP 5).

- ALLAN BRADLEY: Controllogix 1756 L55M24, Micrologix1200, 1000, SLC-500 1747 -L532 (RSLOGIX 5000) SCADA of PLC "RSVIEW32".
- OMRON: CPU 41-V1, CS1G CPU44H (CX programmer).
- MOLLER: EBE223.1.
- Telemeqanic: ZEILO Logic.
- Instruments:
 - Flow Measurement.
 - Level Measurement.
 - Pressure Measurement.
 - Temperature Measurement.
 - Analytical Measurement.
 - On/off valve and Control valves.

Published Paper:

"SCADA/HMI Development for Multi stage Desalination plant" published under no. 40071 in IARIA (International Academy Research and Industrial Association), traveled to Athens/Glyfada (GREECE) for presenting the accepted paper.