

Holds a B. Sc. in Communications & Electronics Engineering and has about 17 years hands-on experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 28/06/1980
Gender : Male
Marital Status : Married
Residence : Currently UAE

EDUCATION

: B. Sc. in Communications & Electronics Engineering, Alexandria University, 2002

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Harmony & Composer Configuration (ABB factory in Genova, Italy).
: Power Generation Portal Base Configuration (ABB factory in Genova, Italy).
: Harmony Base – Configuration (ABB factory in Genova, Italy).
: Distributed control system (DCS) basics, Mark V & VI (Abu Qir Training Center, Alexandria).
: PLCs (S7) (Abu Qir Training Center, Alexandria).
: LABVIEW PROGRAM – self study.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2019 till now
Employer : Taweelah Asia Power Company (TAPCO)
Job title : DCS Project Engineer

Job Description :

- Hardware / Application FAT & SAT, IO mapping, ABB C3 (Wiring & Logic) analysis for the following DCS upgrade project:
 - 6 units x 150MW, 6 distillers x 12 MIGD.
 - BOP SYSTEMS (HPGRS, FUEL OIL, DG, Air compressor BAND SCREEN, HYPO).
- Document review (Test QC Doc, changeover methodology, As Built Doc).
- Changeover/Commissioning the upgraded system from ABB C3 to HONEYWELL EXPERION C300.

Dates : From Jan. 2007 till Apr. 2019

Employer : EEHC

Project : 325MW Steam Power Plant

Job title : I&C Engineer

Job Description :

- Working in maintenance for steam power plant I&C related systems such as:
 - INFI90 / symphony harmony HW & SW ABB DCS systems.
 - E.H.C Elsave Bailey Co. which includes different control loops such as speed control unit, load control unit and flow control unit for turbine control.
 - Water plant (DEMI, Drinking, Waste Water).
 - Turbine supervisory instrument (TSI).
 - Boiler control systems (FWP, OIL/GAS, WATER/STEAM, etc.).
 - Balance of plant (BOP).
 - Burner management system (BMS).
- EEHC internal project: Abu Qir Training Center (DCS Project Engineer):
 - Working in rehabilitation of Abu Qir Training Center & Installing new DCS simulator cabinet.
 - Integrating the cabinet with thermal lab.
 - Installing new instrument required for the new integration.
- EEHC internal project: Matrouh Power Plant (DCS Project Engineer) - Rehabilitation of Matrouh demineralized system as following:
 - Preparing Engineering document (I/O's mapping & cable schedule).
 - Converting old logic to meet DCS INFI90 system.
 - Building the hardware cabinet with my team.
 - Prepare FAT & Integration test for new DCS cabinet.
 - Making commissioning for the cabinet HW & SW.

Dates : From Nov. 2016 till Feb. 2017

Employer : SIEMENS

Project : Gas Turbine Power Plant (8x400MW), Al Burullus, Egypt

Job title : I&C Commissioning Engineer

Job Description :

- Gas turbine instruments Cold loop check.
- Hot loop check and function check for all GT instruments.
- Process change management (PCM) activities of the GT panel internal wiring.
- Modify in the wiring and produce the as built drawing.
- Working on Siemens turbine control system SPPA T3000.

Dates : From Nov. 2014 till May 2015
Employer : DOOSAN
Project : Steam Power Plant (2x650MW), El Ain El Sokhna, Egypt
Job title : Commissioning Lead Engineer
Job Description : Install, Calibrate and maintain different field instrument, Cold & hot loop check and function check for Boiler instruments.

Dates : From Jan. 2011 till Dec. 2011
Employer : SAMA Engineering Co.
Job title : DCS Project Engineer
Job Description :

- Drawing and revising logic for systems (Soot Blower, Demi water, Polisher, Chemical injection, Waste water, Condenser cleaning system, Compressor system, cooling water system).
- Drawing FCD logic.
- Converting Relay Logic Control cabinet to DCS logic.
- Draw HMI graphics on PGP program.

Dates : From Oct. 2005 till Oct. 2006
Employer : LECTRO Co. electric control panels
Job title : Maintenance Engineer
Job Description :

- Production and Maintenance for electrical control panels (6 months).
- Cold and hot commission for production line electrical equipment at Alex Fiber Co. (sub-contractor) (6 months).

Dates : From 2004 till Jun. 2005
Employer : Egyptian Air Force
Job title : Maintenance Engineer
Job Description :

- Maintenance Engineer for electromechanical equipment.
- Analogue and Digital meters, Electronic cards.

Field of experience : Good knowledge of calibration and maintenance different field instrument such as:

- Vibration sensors, differential expansion sensors, absolute expansion.
- Temperature Sensors (RTD-TC), temperature transmitters.
- Flow transmitters (DP type, magnatic).
- Smart Positioners (ABB, SIEMENS, STI).
- Level Transmitters (Torque tube, Ultrasonic).
- Press transmitters (ABB, ROSEMOUNT, YOKOGAWA, SIEMENS).
- Analyzers (O2, turbidity, Silica, Dust analyzes, PH, Conductivity).
- Level, temperature & pressure controllers.
- Pneumatic & hydraulic valves.
- Motorized valves (Auma, Rotork, Biffi).
- Damper actuators (STI).
- Flame detectors (Fireye).