

Holds a B. Sc. in Industrial Electronics & Control Engineering and has about 19 years of experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/03/1985
Gender : Male
Residence : Currently KSA

EDUCATION

- : B. Sc. in Industrial Electronics & Control Engineering, Menoufia University, 2007
- : Studying for Master in Industrial Electronics & Measurements Engineering

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : Matlab – Basic – Circuit Maker – Work Bench – Eagle – PCB Wizard – Labview - SAP PM - Amplisma

TRAINING COURSES AND CERTIFICATIONS

- : Off-shore training at Siemens Academy in DCS T3000 (Germany).
- : Obtaining the principles of effective training & Interpretation Course (TOT) by Tamkeen New Era for training and Consulting, Cairo.
- : Off-shore trainings at GE Company (Belfort - France):
 - Gas Turbine MK VIe Control System, EX2100e & LS2100 & GPP Class.
 - Gas Turbine & Generator Maintenance.
- : Off-shore training at Yokogawa Company (Bahrain): O&M for Yokogawa DCS (Centum VP).
- : On-shore training in O&M for steam turbine by Ansaldo Company: STCS Symphony Harmony.
- : On-shore training in O&M for HRSG by STF Company.
- : On-shore training in Gas Turbine Operation by GE Company.
- : On-shore training in O&M for Hydraulic power unit by SEPCOIII Company.
- : Obtaining a Bechtel course in Shoubra El-Kheima Power Station.

- : Obtaining a training course on "O&M of Combined Cycle Power Plants" in Cairo North Power Plant, consist of two modules (2x750MW).
- : Obtaining a training course in the company of the Iron and Steel in Helwan (Instruments and Communication Sector).
- : Obtaining a training course at public hospital in Menoufia (Medical Instrumentation Sector).
- : Design of Active Disturbance Rejection Control via Fuzzy Logic.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2024 till now
Employer : Shanahan Engineering LTD
Project : Jizan Integrated Gasification and Power Company (JIGPC), consists of five modules (2x2x1), 3000MW Combined Cycle
Job title : I&C Commissioning Engineer
Job Description :

- Walkdown for BOP and performing the hot loop check for syngas system (Honeywell DCS).
- Preparing the hot loop check for GT on syngas (T3000_TCP).
- Preparing for the function test for GT (decay, CV, LHV, Ramp Test).
- Supporting the transition of syngas for the Gas Turbines.

Dates : From Mar. 2022 till Jun. 2024
Employer : Shanahan Engineering LTD
Project : PP14 (Saudi Electricity Company), consists of two modules (3x3x1) 900MW Combined Cycle, KSA
Job title : I&C Commissioning Engineer
Job Description :

- Walkdown for boiler system and performing the hot loop check.
- Preparing the hot loop check for Steam turbine.
- Preparing for the function test for boiler systems.
- Supporting the operation of the Gas Turbines.

Dates : From Jan. 2022 till Feb. 2022
Employer : BH
Project : Bana Gas
Job title : E&I / Control Engineer
Job Description :

- CS1, Combustion Inspection for GT frame 3 and support the startup.
- CS4, Vibration sensor modification, support the startup and collect all trends.

Dates : From Oct. 2021 till Dec. 2021
Employer : BH
Project : ADNOC LNG – DAS Island, IGD Train-3 Centrifugal Compressor scheduled for Upgrades (re-bundle Nuovo Pignone BCL 406/A, new ASV and new setting) during IGD Shutdown in Nov. 2021
Job title : E&I / Control Engineer
Job Description :

- Loop check and calibration for all instrument related to Process compressor.
- Installing and commissioning the new anti-surge valve for new the

- design and flow, supporting CCC vendor for the new signals.
- Supporting start-up during the surge test and Reliability run test.

Dates : From Jun. 2021 till Oct. 2021
Employer : Navasr
Job title : Sr. Application Engineer
Job Description : EWM - Navasr is a progressive business house offering a bouquet of services, solutions and Training Services for the Power & Infrastructure industry serving regions across the Middle East, Africa, Asia Pacific. Since their founding, EWM-Navasr has advised, executed and managed a diverse set of Conventional power projects. Working with professionals from top-tier EPC and Consulting firms, EWM-Navasr aims to improve the efficiency, effectiveness and value of clients' assets.

Dates : From Feb. 2021 till Apr. 2021
Employer : Baker Hughes
Project : Bana Gas Company (CS1), Performing module replacement (Gas turbine frame 3) and upgrade control system to MKVle
Job title : E&I Engineer
Job Description :

- Check all materials as packing list and compare with Hook up, Control cable list.
- Following all construction activities, Hook up and cable terminations.
- Performing loop check and calibration with owner.

Dates : From Dec. 2019 till Jan. 2021
Employer : GE Power
Project : EVM II consists of one module (2x2x1 850MW Combined Cycle) in Mexico
Job title : I&C Engineer
Job Description :

- Commissioning for all Foundation Field Bus devices FFB.
- Commissioning for a Profibus with different system MMx00. WAGO, etc.
- Function Test for Condensate, Feed Water, Closed Cooling water, LP, Blow down, ACC, etc.

Dates : From Jul. 2015 till Dec. 2019
Employer : Cairo Electricity Production Company (CEPC)
Project : Giza North Power Station consists of three Modules (3x750MW Combined Cycle)
Job title : Senior I&C Engineer
Job Description :

- Perform all necessary activities for corrective and preventive maintenance as per O&M manual for Gas turbines, HRSGs, Steam Turbines.
- Perform all necessary activities for various heavy-duty gas turbines that include maintenance, troubleshooting, fixing and working on software & instruments, perform all applicable TILs to units through our dashboard.
- Responsible for prepare Spare Parts for six Gas turbines (GE 9FA), auxiliary Systems and MKVle Gas Turbine during Preventive maintenance and outages.
- Performed more than 20 outages (CI, HGPI, MI).
- During my work with CEPC, I got a lot of freelancer contracts and

assignment with GE Power, Navsar, Simbest, Egyptrol, Kahromica.

Dates	:	From Mar. 2019 till Apr. 2019
Job title	:	MK Vle Instructor
Job Description	:	MK Vle O&M Training Course for Angola Group with EEHC.
Dates	:	From Feb. 2019 till Mar. 2019
Job title	:	I&C Consultant Engineer
Job Description	:	Labuan Power Station in Malaysia (3x32MW Gas Turbine frame 6B) with Simbest.
Dates	:	From Jan. 2019 till Feb. 2019
Job title	:	I&C Consultant Engineer
Job Description	:	Arab Potash in Jordan to perform assessment work with Navsar.
Dates	:	Nov. 2018
Job title	:	I&C Consultant Engineer
Job Description	:	KUBOTA Power Station in Malaysia (2x32MW Gas Turbine frame 6B) with Simbest.
Dates	:	From Mar. 2018 till Aug. 2018
Employer	:	Freelancer Contract with GE Power - EGYPTROL
Project	:	Assiut Combined Cycle Power Plant consists of Two Modules (2x750MW Combined Cycle)
Job title	:	DCS Commissioning Engineer
Job Description	:	• DCS System (Mark Vle) power up panels, EWS, OWS, Toolbox ST installation. • Cimplicity configuration on OWS and screens verification. • Setting of network IP configuration for work station and controllers. • Verification & correction of I/O configuration. • Rectifying diagnostic alarm faults. • I&C commissioning (loop check, function test, logic test) for HRSG, ACC, ST. • Field instrument troubleshooting and correction (MOV, CV, sensors). • Troubleshooting the control and DCS, software and hardware. • Perform all necessary activities for HRSG that include maintenance, troubleshooting, fixing and working on software and instruments during the steam blow and reliability test.
Dates	:	From Mar. 2017 till Jan. 2018
Job title	:	I&C Trainer Engineer
Job Description	:	Trainer for a new group of I&C Technicians in Mega Project Egypt (3x4800MW Combined Cycle).
Dates	:	From Apr. 2013 till Jul. 2015
Employer	:	Freelancer Contract with GE Power - Kahromika
Job title	:	I&C Commissioning Engineer

Job Description	: - Worked as Commissioning & Start-up Engineer for GE gas turbines frame 9FA DLN2.6+: - Perform the installation and calibration for all instruments and control systems. - Continuity for all Control Cables / Cold & Hot loop Check for all Systems. - Walk down on all Systems, MLIs and follow P&ID. - Commissioning and start-up for Gas Turbine systems: - Air system (Inlet & Exhaust & Cooling & Sealing). - Heating and Ventilation System. - Oil System (Lube & Hydraulic oil). - Liquid Fuel Oil & water injection System. - Atomizing Air & Purge Air system. - Preparing Gas treatment Area (Knock out drum & Filter Separator & WBH & GC & Scrubber & Ultrasonic flow meter). - Gas Fuel System (Calibration & Stroke valves, Test Instrument). - Fire protection System (Firefighting, Gas detection). - Cooling water System. - Water Wash Skid System. - Control system (MK VIe, Auxiliary panel). - Commissioning and start-up for standard test: - Crank / false fire / First fire / Loss of flame trip test. - First FSNL / Speed Limitations / Over speed Trip test. - First Synchronization. - Fuel gas and liquid fuel tuning. - Base-Load tests (Changeovers at base - load & Water injection tuning). - Run back / Load rejection / Island mode test. - Transfer Gas to Liquid & Liquid to Gas test. - Run back / Load rejection / Island mode test. - Off-line & On-line water wash. - Performing Performance Test, Reliability Run. - Commissioning for diverter damper (HPU) and interface signals with DCS.
Dates	: From Feb. 2011 till Apr. 2013
Employer	: Cairo Electricity Production Company (CEPC)
Project	: Giza North Power Station consists of three Modules (3x750MW Combined Cycle)
Job title	: I&C Commissioning Engineer
Job Description	: - Study of contracts related to Giza North Power Station Project Specialize: - CP-101 (COMBUSTION TURBINE GENERATORS) including all instrumentations, protections, TCS. - CP-102 (Civil Work) including PABX, DECT, Computers, Copiers, Data Network, Printers, I&C Workshop, Fire Alarm, Potable Water Station, HVAC, Travelling Water Screen & Trash Rack, Paging System. - CP-103 (Environmental). - CP-111 (Water Treatment Station). - Analysis of technical offers submitted by bidders & make negotiations with successful bidder. - Review of technical documents submitted by contractors. - Follow up the MRR (Material Received Report) comparing with

Specification.

- Follow up the CDDR (Contract Disposition Deviation Report) comparing with Specification.
- Follow up the FCR (Field Change Report) comparing with Specification.

Dates : From Sep. 2010 till Feb. 2011
Project : Cairo North Power Station, consists of TWO modules (2x750MW Combined Cycle)
Job title : Operation Engineer

Dates : From Sep. 2007 till Sep. 2010
Employer : Al-Amir Electronics (E.K.T) Company
Job title : E&I Engineer (full & part time)
Job Description :

- Responsible for Electronic Component / PLC / microcontroller / transformers / DC & servo & stepper motors / batteries / Tools.
- Responsible for Test Equipment (measure equipment / automation control equipment / UPS & Stabilizers).
- Responsible for Computer Network Accessories / Electronic Displays.

Technical Skills:

- Microcontroller (Motorola – PIC) – Zelio – PLC (Schneider (Nano - Micro) / Handheld (FTX117) – Siemens (S7200 / S7300) – Allen Bradley – SCADA & DCS – FPGA (VHDL).
- PID control / Intelligent control (Fuzzy - Neural) / Real time control system.
- Power & Industrial electronics and it's applications.
- Mechatronics & Robotic systems.
- Hydraulic and Pneumatic systems.
- Medical instrumentations.