

Holds a B. Sc. in Communications & Electronics Engineering and has about 13 years hands-on experience working as I&C Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/06/1985
Gender : Male
Marital Status : Married
Residence : Mahmoudia

EDUCATION

: B. Sc. in Communications & Electronics Engineering, Alexandria University, 2008

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Electronic Simulation Programs: Multisim and Proteus
: Control: MicroController (AVR) & PLC (Siemens S7-200, S7-300)
: Programming: Basic, Visual Basic.net, C, Assembly, MATLAB

TRAINING COURSES AND CERTIFICATIONS

: Trainings at:

- Alexandria University, Engineering Faculty (Electronics Circuits Training) (Aug. 2005).
- Mahmoudia Power Station (MDEPC) (Aug. 2006).
- Telecom Egypt (Central of the East of Damanhour) (Aug. 2007).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2020 till now
Employer : BP
Project : West Nile Delta (WND) Onshore Gas Plant
Job title : I&C Maintenance Engineer

Job Description :

- Execute Instrument preventive and corrective maintenance (PM & CM).
- Perform Configuration for Field Instruments using PRM (Plant Management resource system).
- Maintenance and calibration for field instrument (pressure, temperature, level, flow) on HART and Foundation Fieldbus protocols.
- Carrying out of calibrations, function test and loop test for all valves including shutdown, blowdown and control valves.
- Maintenance and calibration of Fire and gas (F&G) system such as open path gas detector, point gas detector, hydrogen detectors, flame detectors, heat detectors, smoke detectors, linear Heat detector, Manual call point, ...etc.
- Participated in Plant Start-up with CSU Team.
- Part of Handover team to check commissioning activities and do Walkdowns to find out punch list items and work with planning team to get it fixed.
- Review 14 week plan of work orders with the planning team, prepare PTW packs and Material Requisition.
- Review, Modify and Editing for Maintenance Procedures.
- Plan and co-ordinate predictive, preventive maintenance work, including breakdown maintenance and plant modification. Ensure timely closure of work orders in Computerized Maintenance Management System (CMMS).

Dates : From May 2018 till Feb. 2020

Employer : BP

Project : West Nile Delta Gas Development Project (WND)

Job title : I&C Commissioning Engineer

Job Description :

- Preparing Loop Folders and SIF packs for many plant systems.
- Part of Handover team to check Construction activities and do Walkdowns to find out punch list items.
- Participated in SAT for ICSS YOKOGAWA CENTUM VP & Pro-Safe (PAS, SIS, FGS) control system.
- Loop checks, reviewing P&ID, fault finding, calibration and function checks For instrumentation (Hart and FF protocols).
- Carry out loop checks for Fire and gas system such as open path gas detector, hydrogen detectors, flame detectors, heat detectors, smoke detectors, alarm line 2 heat detectors, ...etc.
- Commissioning with control narrative of process and Cause & Effects.
- Carryout Function check for SIF (Safety Instrument Function).

Dates : From Jan. 2018 till May 2018

Employer : GS Engineering & Construction

Project : ERC Refinery Project (ERC)

Job title : I&C Commissioning Engineer

Dates : From Jun. 2010 till Jan. 2018

Employer : West Delta Electricity Production Company (WDEPC)

Project : Abu Qir Power Plant, Alexandria (Steam Power Generation Units (4x150MW, 1x325MW))

- Job title** : I&C Maintenance Engineer
- Job Description** :
- Maintenance of DCS Control System, Honeywell (The Steam Power Generation units (4x150MW) are running under Total Plant Solution (TPS) System with TDC3000 DCS, Honeywell.):
 - Responsible of DCS Cards Configuration, Program design and modification and Controllers Configuration.
 - Reading of logic drawing to analyze and troubleshoot system faults/trips.
 - Define and analyze system faults/trips in the following systems:
 - Burner Management System (BMS).
 - Motor Control System (MCS).
 - Turbine Control System (TCS).
 - 6KV/380V Control System (SES).
 - Boiler Control System (BCS).
 - Modification and Creation of Gus Display using Gus Display Builder Software.
 - Make Field modifications, including addition of new field-devices, extending cables from field to HPM and performing required software modifications.
 - Maintenance of Water treatment plants & Sodium Hypochlorite Plants, Condensate polishing plant (Jun. 2010 – Jun. 2011). The above utility plants are running under PLC Control System (Siemens S7-200, Siemens S7-300, Allen Bradley).
 - Familiar with Turbine supervisory system (TSI) which is running under Bentley Nevada 3500.
 - Maintenance, calibration and troubleshooting of all site instrumentations including:
 - Pneumatic control valves, valve positioner and I/P converters.
 - Smart positioners (Siemens – Samson).
 - Hydraulic, Motorized and Pneumatic on/off Valves.
 - Pressure, Level, Flow and Temperature transmitters.
 - Thermocouples (K-Type and S-Type) and RTD's (PT-100).
 - Pressure, Level, Flow, Temperature switches.
 - Proximity Switches.
 - TSI Measurements: Vibration, Axial displacement, Case Expansion, Key-phasor, Eccentricity and Seismic.
 - Water Treatment Analyzers (PH, Conductivity, turbidity...).
 - Gas, Heat, Flame and Fire detectors.
 - All Gauges, Manometers, Thermometers and digital recorders.
 - Participated in many overhauls that took place for 5 plant units.
 - Familiar with the following Calibration Instruments:
 - Hart Field Communicator 375, 475.
 - Druck Dpi610 portable calibration.
 - Fluke 705, 724, 725, 744, 787, 9150.
 - Multifunction AVO meter and current/voltage source.
 - Participated in the upgrade of Flue gases O₂ analyzers. The old land Flue Gases O₂ Analyzers upgraded with Rosemount Flue Gases O₂ Analyzers of model OXYMITTER™4000 for (4x150MW).
 - Participated in the upgrade of Unit 3 Flame Scanners. The old Gas and Heavy Fuel Oil Flame scanners of Unit 3 (150MW) upgraded with FIREYE Flame Scanners (INSIGHT SCANNER model S2). The Commission of flame scanners is done by U.K FIREEYE Engineers.

Dates : From Jun. 2017 till Jan. 2018
Employer : Schlumberger
Project : ZOHR Onshore Gas Development Project
Job title : Quality Assurance / Quality Control E&I Engineer

Dates : From Aug. 2016 till Jun. 2017
Employer : EMC
Project : West Nile Delta Gas Development Project (WND), Giza – Fayoum
Job title : I&C Commissioning Engineer

Dates : From Apr. 2015 till Aug. 2015
Employer : Invensys Corporation
Job title : I&C Commissioning Engineer
Job Description : Commissioning & Start-up for TALKHA Steam Power Generation Unit at Middle Delta for Electricity Production Company (MDEPC).

Dates : From Sep. 2009 till Jun. 2010
Employer : METITO
Project : Water Treatment Plant Construction and Start-up at EL-ATF Power Plant (Combined Cycle 3x250MW)
Job title : Construction, Commissioning & Start-up (E&I) Engineer
Job Description :

- Responsible of the following Construction Items:
 - Install the Low Voltage MCC (Schneider Electric).
 - Install the Plant Control System Panels (PLC Allen Bradley RSLgx5000 V16.00 RockWell Automation).
 - Install the Local Control Panels.
 - Install the Field Junction Boxes.
 - Install all Site Process instrumentations as monited at P&ID.
 - Install the Cable trays (Power, Control and Signal) and extend all the project Cables on it.
 - Wiring The Cables at MCC, Main Control Panels, local Control Panels, Field Instrumentations and Equipments.
 - Install the Earthing System of the Low Voltage MCC, PLC Control Panels, Local Control Panels, Junction Boxes, Electrical Equipments (Motors, Fans, Compressors), Cable Trays and the Steel Structure of the Plant.
 - Install the Lighting System of the Plant.
 - Install the Fire Detection System of the Plant.
- Responsible of the following Commissioning Items:
 - Electrical Commissioning & Start-up of the Low Voltage MCC, Electrical Equipments (Motors, Fans, Compressors), Power Cables, Local Control Panels.
 - Configure all the Process Transmitters (E&H, Rosemount).
 - Cablibration some of Process Instrumentations (PH, Conductivity...).
 - Loop Check of all process Control, Analog Signals.
 - Attended the Function Check & Start-up of PLC Allen Bradley RSLgx5000 V16.00 which is done mainly by the Indian Engineers of RockWell Automation Company.

Dates : From Mar. 2009 till Sep. 2009
Employer : The Public Supplies for Public Safety, KSA
Job title : Construction & Maintenance Engineer