

Holds a B. Sc. in Computer Engineering & Control Systems and has about 7 years' experience working as Control System / Instrument Engineer and Commissioning Engineer for I&C.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/06/1990
Gender : Male
Residence : Damietta

EDUCATION

: B. Sc. in Computer Engineering & Control Systems, Mansoura University, 2014

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: C, C#
: CCNA
: PLC
: Assembly
: Matlab

TRAINING COURSES AND CERTIFICATIONS

: In 2013 first training at Combined Power Station of East Damietta.
: OSHA 10-Hour's program Certified.
: ABB (symphony+) operating system O&M (BoP), Assiut Simple Cycle 1000MW Power Plant.
: GE Mark VI O&M training in Assiut Simple Cycle 1000MW Power Plant.
: GE Mark VI and Doosan HRSG O&M training in Assiut Combined Cycle 1500MW Power Plant.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2021 till now
Employer : Target Engineering (System Integration Company for industrial PLC and SCADA, EMERSON-GE)
Job title : System Integration Team Lead (Automation Testing and Control System Team Lead)
Job Description :

- Automation signals and process commissioning and testing. (CIMPLICITY, WORKBENCH, PROFICY) and HMI Validation.
- Coordinate the maintenance sites visits between clients and team members (Khalda sites - Razzak, Kalabsha, Pico (Oil & Gas), Jotun (Industrial Factory), Arma (Industrial Factory, MIDOR (Oil & Gas).
- Supervise the new projects execution, panel installation, commissioning and startup.
- Supervise the assembling of control panels, system implementation, and preparing the FAT.
- Study the new projects' specs and prepare the tender files, technical and commercial.
- Preparing and updating projects' schedules.
- Issue functional design specifications (FDS) documents.
- Issue materials requisitions for required materials, and follow up the availability of required hardware.
- Study client requirements to meet or exceed client's expectations.
- Assure the QC Standards during execution and documentation process.

Dates : From Dec. 2020 till May 2021
Employer : ORASCOM Construction
Project : Bahr El-Bakr Water Treatment Plant
Job title : Senior I&C Engineer (Construction & Commissioning)
Job Description :

- Supporting the technical office in shop drawing, material recognition and drawing coordination.
- Coordinate between departments (Electrical, I&C, Mechanical, Piping).
- Instrumentation installation for all site sections (Chemical tanks, dewatering tanks, inline piping instruments, intake).
- Installation for control panels (PLCs, main SCADA system) for Travelling screens, trash racks, disk filters, flash mixers, ozonation system.
- Building up commissioning team for commissioning and start up activities for instruments and control systems.
- Testing all signals to local panels and interface signals between local control panel and SCADA.
- Fire alarm system installation.
- Fire alarm testing and commissioning for all project buildings.
- Cranes commissioning and testing all switches (load sensors, limit switches, control unit).

Dates : From Mar. 2020 till Dec. 2020
Employer : ORASCOM Construction
Project : Assiut Supercritical Power Plant 1x650MW
Job title : Senior Commissioning Engineer for I&C

Job Description :

- Build up the commission procedures for systems.
- Coordinate between my company (OC) and consultant (PGESCO).
- Lead all commissioning activities and tests.
- Providing certificates and tests results to the consultant and the client (JEEPC) Following up all pre-commissioning activities.
- Travelling screens pumps commissioning and start up (testing all signals to local panels and interface signals between local control panel and DCS).
- Fire alarm testing and commissioning for all project's buildings.
- Fuel tanks instruments and equipment's (level transmitters, pumps) commissioning.
- HVAC testing and start up. (Including dumpers control units and protection signals interface with fire alarm system.
- Potable water system startup and commissioning. (Standalone system, plc, level transmitters, pressure transmitters, differential pressure transmitters, pumps).
- Cranes commissioning and testing all switches (load sensors, limit switches, control unit).
- Coordination between our terminal points and all other contracts.

Dates : From Jun. 2016 till Feb. 2020

Employer : ORASCOM Construction

Project : New Assiut Combined Cycle Add-On Project – GE 2x250MW

Job title : I&C Construction & Commissioning Engineer

Job Description :

- Checking the matching between DCS (ABB) in simple cycle project and the extension of the combined cycle project (ABB interface compatibility with GE).
- Revising all logic connection between old signal and new added signals and permissive signals between ABB drawing and GE new drawing.
- Installation of Instruments and tubing connection to pipelines (8 HRSG, 8 Diverter Dampers, more than 4000 devices all over the plants between tubing devices and piping online devices, more than 500 devices for the steam turbine).
- Cables routing from field instruments to DCS panels and interface signal cables all over the plant.
- Installation supervision for the diverter dumper control equipment's (BRADEN).
- Supervision on installation for the SWAS system (Sampling Water Analysis System).
- Installation of Central Control Room Equipment and network topology hierarchy including fiberoptic connections and either net connection.
- Operation for work station and maintenance during reliability test.

Dates : From Apr. 2015 till Jun. 2016

Employer : ORASCOM Construction

Project : New Assiut Simple Cycle Project – GE Frame 9E 8x125MW

Job title : Commissioning Engineer for I&C

Job Description :

- Full supporting for GE Frame 9E turbines during testing, calibration, commissioning and first fire in both the field and Mark VI.

- Revising the Logic design and matching it with Mark VI programming.
- Giving assistance for testing and commissioning for DCS (ABB supply), loop check for POP instruments, and communication between DCS and GE turbines and GIS.
- Logic revising for ABB software (symphony+), modifying all needed logic diagrams, supplying the As-Built.
- Commissioning and testing black start diesel generator 3MW and full function test.
- Testing and commissioning for FOTP (Fuel Oil Treatment Plant) (PLC).
- Testing and commissioning for Hot Water Boiler (PLC).
- Testing and commissioning for Fire Fighting System.
- Operation for work station and maintenance during reliability test.

Skills:

- Logic Design Analysis.
- P&ID Analysis.
- Controllers Configuration.
- Hart Communicator calibration and commissioning.
- Hot loop checking and cold loop checking.
- Low current circuits connections.
- Deal with PLC and Arduino.
- Knowledge of C programming language.
- Block diagram analysis.
- Sensor applications.
- Alarm implementation.
- Embedded System Developing.
- SCADA Automation Testing and HMI Validation.