

Holds a B. Sc. in Industrial Electronics & Control Engineering and has about 14 years' experience working as I&C / E&I / DCS Engineer.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 06/01/1987  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## **EDUCATION**

: B. Sc. in Industrial Electronics & Control Engineering, Menoufia University, 2009

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Off-shore Training in DCS at YOKOGAWA, BAHRAIN (1 month).
- : Off-shore Training in Power Transformers at TBEA Company, China (3 weeks).
- : On-shore Training in Operation and Maintenance for HRSG (STF Company) (1 month).
- : On-shore Training in Gas Turbine (GE Company) (1 month).
- : On-shore Training in Service, Raw and Circulating Water Pumps, KSB Co. (1 month).
- : Obtaining a Bechtel Course at Shoubra El-Kheima Power Station (3 months).
- : Obtaining a training course on Operation and Maintenance of Combined Cycle Power Plants at Cairo North Power Plant (4 months).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2022 till now  
**Employer** : Shanahan Engineering Ltd  
**Project** : PP13 CCPP (1950MW), KSA  
**Job title** : DCS Engineer  
**Job Description** :

- Perform modification of system control narrative and updating logic charts / Graphics as well.
- Troubleshooting and maintenance for YOKOGAWA CENTUM VP R6.02 DCS System alarms.
- Troubleshooting and maintenance all network issues (IEC61850, Modbus, OPC, AGC, PRM, PMS).
- Update all DCS interface mapping lists.
- Update DCS IO List.
- Markup Instrument Loop / Control Wiring Drawings.
- Prepare Function test procedures and perform function test for several systems.
- Perform Commissioning & Start-up for several systems.
- Update Alarm list, Trends and SOE configuration.
- Preparing TOP for BOP / HRSG Systems.
- Supervise the Instrument Commissioning Technicians in commissioning various field instruments, drives, valves, etc.

**Dates** : From Jan. 2020 till Oct. 2021  
**Employer** : [EGYPTROL](http://www.egyptrol.com), AC Boilers Subcontractor  
**Project** : Al-Shabab Power Plant 1500MW  
(8x125MW GE Gas turbine 9E through Mark Vie Control system + 8 HRSG AC Boiler + 2x250MW Ansaldo Energia Steam turbine through Symphony plus ABB control system)  
**Job title** : E&I Maintenance Engineer (Warranty Period)  
**Job Description** :

- Working on closing remaining punch items.
- Working on closing all warranty claims.
- Hand over (8) SWAS shelters to client.
- Hand over (8) CEMS shelters to client.
- Responsible for maintenance valve's actuators "pneumatic & motorized" (Parcol, Biffi & Auma).
- Responsible for maintenance field instrumentation, several kinds of sensors, hoists maintenance, smart transmitters, CEMS analyzers (O2, CO, SO2 & NO) and SWAS analyzers (DO, pH, Cond. & Silica).
- Assist mechanical team for equipment maintenance during HRSG unit's shutdown.

**Dates** : From Jul. 2018 till Sep. 2019  
**Employer** : Shanahan Engineering Ltd  
**Project** : PP13 CCPP (1950MW), KSA  
**Job title** : I&C Commissioning Engineer  
**Job Description** :

- Preparing commissioning procedures for I&C scope of work.
- Preparing operation procedures from I&C point of view.

- Prepare system change requests regarding system Control narrative, Logics and Graphics.
- Ensuring the proper implementation of control logic for various systems.
- Reviewing TOP for several systems.
- Hot Loop Checks for field instruments & valve's actuators.

**Dates** : From Apr. 2018 till Jul. 2018  
**Employer** : JEPCC1  
**Project** : Cairo West Supercritical Power Project (CP-118)  
**Job title** : E&I Superintendent Engineer  
**Job Description** :

- Preparing RFQ for E&I scope of work (General service control valve, Severe service control valve, High temperature metal seated control valve, Coriolis flow meter, Thermocouples and thermowells, orifice and venturi, Cables, Cable trays, Heat Tracing, cathodic protection).
- Evaluation & Analysis for supplier's quotation.
- Preparing Po for several packages.
- Preparing Document Submittal Report (DSR).

**Dates** : From Jan. 2018 till Apr. 2018  
**Employer** : Orascom Construction  
**Project** : New West Damietta Combined Cycle Add ON Power Project  
**Job title** : I&C Construction Engineer  
**Job Description** :

- Review and modify designed hook up for HRSG, BOP and steam turbine.
- Installation works for field instrumentation (Pressure, flow, temperature and level gauges and transmitters).
- Installation works for control and motorized valves (HORA, ELFOR controls, PARCOL and ROTORK, ...etc.).
- Support commissioning team for several activities.

**Dates** : From Sep. 2010 till Dec. 2017  
**Employer** : Cairo Electricity Production Company (CEPC)  
**Project** : Giza North Power Station (project consists of Three Modules (3x750MW) Combined Cycle, each module consists of 2 CTGs + 2 HRSGs + 1 STG)  
**Job title** : I&C Maintenance Engineer  
**Job Description** :

- Tracing all alarms and make troubleshooting.
- Maintenance, re-calibrate, repair for all instruments and control systems.
- Evaluate the manpower requirements for daily preventive, break down and shutdown maintenance and Provide field supervision over the execution of maintenance activities.
- Preparing the spare parts for DCS, HRSG and BOP Systems.
- Follow-up the MRR, CDDR and FCR.
- Follow-up construction, commissioning, testing and start-up activities.
- Installation and Calibration for all Instruments and Control Systems.
- Continuity for all Control Cables, Cold loop Check and Hot Loop Check.
- Walk down on all Systems and Follow P&ID.
- CEMS & SWAS Installation and Commissioning.
- Successfully finished the following engineering tasks with YOKOGAWA DCS CENTUM VP R5.03:

- Design and implementation of logics and graphics for filtered water pumps (start, stop, permissive and protection).
- Loop check and function test for filtered water pumps.
- Modified logics of lubrication water system and linked it with other system for redundancy purpose in three modules.
- Successfully implement the digital forcing feature for three modules.
- Linking fire pumps digital and analog signals with DCS system.
- Design the required graphic pages for fire pumps.

**Dates** : From Aug. 2009 till Aug. 2010

**Employer** : Al Amal for Plastic Pipes and Fittings (AL SHARIF)

**Job title** : I&C Maintenance Engineer

**Job Description** : Worked as Maintenance Engineer for control panels of Ovens, Cutters and Drawers Machines.

**Field of experience** :

- Highly skilled Instrument & Control Engineer familiar with all standard control and instrumentation requirements.
- Proven track record of improving successful control systems and logic design and modification in order to increase systems stability.
- About 14 years of experience in the Instrument and DCS systems field.
- Extensive knowledge, both technical and practical of instrumentation.