

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 7 years hands-on experience working mainly in I&C field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 27/01/1991  
Gender : Male  
Marital Status : Married

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Benha University, 2013

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : BP trainings:
- Safety induction.
  - C5 Operation induction.
  - Supervisor HSE Orientation.
  - Fall protection.
  - Confined space.
  - Commissioning awareness.
  - First aid training.
  - Performing authority.
  - Gas testing.
  - Dropped object.
  - Process safety.
  - COVID 19 awareness.
  - Control room access.
  - SIS.
  - Compressed air.
  - Relief systems.
  - Small bore tubing.

- Isolation basics.
- : SAS training (substation automation system) with GePower tool, IEC61850 communication protocol, D25 BCU and SG Configurator tool. (Nov. 2017).
- : Training at PSP (Elsweedy Group) automation department (trained at DCS system, the Process of generation and instrumentation) (Jul./Aug. 2012).
- : Training at PSP (Elsweedy Group) construction department (trained on Suez Steel Company as installing new transformer 220 MVA, its protection devices and work mainly for pulling power and control cables and its fitting) (Jul./Aug. 2011).
- : Training at New & Renewable Energy Authority (solar thermal project as renewable energy Resource).
- : PLC (Siemens & Allen Bradley & LG) (at Jeilecom Company for training).
- : HMI (at Siemens Lab. at Shoubra Faculty of Engineering).
- : SCADA (at Siemens Lab. at Shoubra Faculty of Engineering).
- : Matlab Simulink (at IT Center at Shoubra Faculty of Engineering).
- : C programming language (at IT Center at Shoubra Faculty of Engineering).
- : Arduino board programming with Matlab Simulink (at IT Center at Shoubra Faculty of Engineering).
- : Instrumentation (at PSP Company).
- : Electrical installation (at IT Center at Shoubra Faculty of Engineering).
- : Electrical distribution (at IT Center at Shoubra Faculty of Engineering).
- : Classical control (at Jeilecom Company for training).
- : ICDL Syllabus 4 (at Banha University).
- : Industrial safety (at B.S Company).
- : ISO 9000 (at B.S Company).

## CHRONOLOGICAL EXPERIENCE RECORD

<b>Dates</b>	: From Aug. 2018 till Apr. 2021
<b>Employer</b>	: Carlo Gavazzi Egypt (CGE)
<b>Project</b>	: West Nile Delta Gas Plant Project (WND)
<b>Job title</b>	: I&C Commissioning Engineer
<b>Job Description</b>	: <ul style="list-style-type: none"> <li>• Cold/hot loop check for instruments.</li> <li>• Simulation/Function test instruments.</li> <li>• Commissioning for both HART and Foundation Fieldbus (FF) instruments.</li> <li>• Check foundation fieldbus trunk cables with segment connected to Mega blocks.</li> <li>• Commissioning for Process Automation System (PAS), Safety instrument system (SIS) and fire &amp; gas system (F&amp;G).</li> <li>• Commissioning for different types of instruments and actuators.</li> <li>• Doing all Green lined/modifications needed for loop check and ITRs for all package.</li> <li>• Operation Support during the last year while the plant is in operation.</li> <li>• Specially for the following: <ul style="list-style-type: none"> <li>- I&amp;C commissioning for TOPEC EDG (electrical diesel generator).</li> <li>- Verification test for EDG Cause &amp; Effect.</li> <li>- I&amp;C commissioning for GE gas compressor generator. MarkVI</li> </ul> </li> </ul>

- system.
- Metso positioners.
- GWR level transmitters.
- Litremeter flow meters in chemical injection systems.
- Heat tracing system in all plant:
  - ❖ Check RTDs.
  - ❖ Check self-regulating heater Lines.
  - ❖ Check all system communication.
  - ❖ Function check for all circuits types.
  - ❖ Logic modification.
  - ❖ Serial link test with ICSS.
- HVAC systems in LER3/SUB3, SUB1 and CCB/LER1 as the following:
  - ❖ Doing many mechanical/ electrical modifications in Dampers.
  - ❖ Verification for all signals included in HMI and all modes of operation.
  - ❖ Logic modification to match the sequence of operation, ranges & alarm set points and cause & effect.
  - ❖ Doing sequence of operation and cause & effect verification actually in the system.
  - ❖ Tuning for chilled water system operation with the system desired set point.
  - ❖ Green line for sequence of operation, cause & effect documents.
  - ❖ Serial link Test with ICSS.
  - ❖ System start-up.

**Dates** : From Jun. 2017 till Jul. 2018  
**Employer** : EL-SWEDY ELECTRIC PSP  
**Project** : Attaqa Simple Cycle Power Plant  
**Job Description** :
 

- Warranty Manager (from Nov. 2017 till Jul. 2018) (9 months). My main task is to deal with owner in warranty issues contractually and financially. Manage tasks during its all phases, investigation, maintenance, purchasing, logistics and closing out. Negotiate with owner and suppliers every time to close out open points.
- I&C Warranty Engineer (from Jun. 2017 till Oct. 2017) (5 months). Investigate I&C problems, doing reports and solving out open issues.

**Dates** : For 3 weeks  
**Employer** : EL-SWEDY ELECTRIC PSP  
**Project** : Suez Gulf Substation 500/220/22KV  
**Job Description** : Commissioning Engineer for SAS (substation automation system). GE system, configured by GE Power. We also did some modifications there.

**Dates** : From Nov. 2016 till May 2017  
**Employer** : EL-SWEDY ELECTRIC PSP  
**Project** : BENI SUEF Combined Cycle Power Plant  
**Job title** : I&C Engineer

- Job Description** :
- Construction for instruments in TME water treatment plant (pressure gauges, pressure transmitters, temperature transmitters and gauges, flow transmitters, level gauges, switches, transmitters and analyzers) during 1 month.
  - DCS Commissioning Engineer for BOP on Siemens system SPPA-T3000 as testing electrical and instrumentation signals (analogue and digital feedbacks and orders). Testing logic concept, doing hot loop check and function test.
  - Commissioning for water intake system (EUROCOM), GE controller (Machine Edition):
    - Loop check for all instruments included in the system.
    - Commissioning for Siemens ultrasonic level transmitters.
    - Commissioning for shutoff valves.
    - Commissioning for pressure transmitters.
    - Logic check for all the system.
    - Function check for all system (Gates, trash racks and travelling screens).
  - Construction for NEM HRSG instruments:
    - Construction for secondary routing cables.
    - Construction for secondary JB's.
    - Pulling up secondary cables.
    - Installation devices tubes and racks as per hook-up drawing.
    - Installing for all instruments in NEM HRSG and pipe rack between HRSG and STG (PT, TT, PI, TI, FT, QA).

**Dates** : From Sep. 2016 till Oct. 2016

**Employer** : EL-SWEDY ELECTRIC PSP

**Project** : Attaqa Simple Cycle Power Plant

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

- Job Description** :
- Doing maintenance and calibration for defected instruments for Siemens gas turbine frame SGT-5-2000E (165MW).
  - Doing maintenance for automatic valves and its signals.
  - Work for modifications of SPPA-T3000 logics.
  - Doing maintenance for Minimax fire alarm system including gas detectors and CO2 tank.
  - Doing maintenance for gas pipe line heat tracing system commissioning and start-up.

**Dates** : From Jun. 2015 till Aug. 2016

**Employer** : EL-SWEDY ELECTRIC PSP

**Project** : AL-DIWANYA (IRAQ) Simple Cycle Power Plant

- Job Description** :
- I&C Commissioning Engineer (from Jun. 2015 till Dec. 2015):
    - Making calibration for measurement devices and actuators.
    - Making dry and hot loop check and function test.
    - Commissioning and start-up for gas and LDO electrical heaters.
    - Commissioning and start-up for PETROGAS gas receiving station (GRS).
    - Work for GE gas turbine 9E (125MW) frame controller (Mark VIE).
  - Operation Engineer for GE gas turbines 9E frame (from Jan. 2016 till Mar. 2016).

- Operation & Maintenance Manager for Al-Diwanya Simple Cycle Power Plant (from Apr. 2016 till Aug. 2016):
  - Doing plan for operation.
  - Support maintenance team in major problems.
  - Provide Spare parts and damaged devices.
  - Doing operation and maintenance reports for site manager and big office.
  - Co-ordinate plans with the owner and main control centers.
  - Doing operation hours reports, financial reports and commercials.

**Dates** : From Mar. 2014 till May 2015  
**Employer** : Beshay Steel Company  
**Project** : ISRM Factory  
**Job title** : Electrical Maintenance Shift Engineer  
**Job Description** :
 

- Responsible for maintenance and calibrating for any electrical equipment in rolling production line such as loop scanners, HMDs, sensors, valves, motors and drives, etc.
- Work for solving problems of DC motors' commutator.
- Work for solving problems of compressors, cranes and binding machines.
- Installed new cooling tower and accumulated its working for water system in factory.
- Made design for new PLC program (Siemens step 7 400) for fully controlled roller table.
- Work for project of installing new crane.

**Dates** : From Mar. 2015 till May 2015 (part time)  
**Employer** : Shaker Group (distribution department)

**Field of experience** :
 

- I&C Commissioning Engineer for Power plants and Oil & Gas fields.
- Commissioning for HART and FF instruments.
- Commissioning for PAS, SIS and F&G systems.
- I&C commissioning for TOPEC EDG.
- DCS / Instrumentation & Control Engineer with good experience in Gas turbine, DCS and combined cycle and ability for work in fast track projects and also long-term projects.
- SAS (substation automation system) as engineering and commissioning.
- Excellent trouble shooting, fault detecting and analytical skills.
- Siemens gas turbine SGT-5-2000E (165MW).
- GE gas turbine 9E (125MW) frame.
- (Mark VI).
- SPPA-T3000 commissioning and modification.
- (Siemens step 7 400).
- SAS (GePower).
- Heat tracing systems.
- HVAC system.
- Power plants warranty phase managerially.
- HP application servers.
- Project Planning with Primavera.
- TME water treatment plant instrumentation.

- Minimax fire alarm system including gas detectors and CO2 tank.
- Heat tracing system commissioning and start-up.
- LDO electrical heaters.
- PETROGAS gas receiving station (GRS).