

**105148-ELE-128STy-E-2011**  
**Commissioning Section Head – Water Treatment Sector**

Holds a B. Sc. in Electrical Engineering and has more than 10 years' experience working in testing and commissioning.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 06/06/1989  
Gender : Male  
Marital Status : Married

## EDUCATION

: B. Sc. in Electrical Engineering, Alexandria University, 2011

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: MS Project  
: E.3 Ecodial, Etab  
: Dialux & Calculux

## TRAINING COURSES AND CERTIFICATIONS

- : Electrical construction concept (Ecodial, Dialux, Etab, Calculux).
- : Training at ABB in Switzerland on GIS (Dec. 2013) about:
  - Lectures about functions and features of the GIS main components.
  - Drawings (gas schematic diagram, wiring schemes).
  - Working principle and testing of SF6 density supervision system.
  - Local control cabinet architecture, circuits, functions and testing.
  - Commissioning tests on GIS hardware, general and project specific procedures.
  - Measuring tools and instruments, instructions how to use.
  - Practical exercises about commissioning of ELK 3/420c.
  - Reporting and protocols, site inspection and test protocol (SITP).
- : Training at Toshiba in Japan on 400KV GIS about erection and testing activities.
- : Training at GISAQUA in Austria on desalination process.

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2012 till now
- Employer** : Elsewedy Electric PSP, Cairo, Egypt
- Job Description** :
- From Jul. 2022 till now (Commissioning Section Head – Water Treatment Sector):
    - Project: Head Quarter.
    - Project Description: Follow-up the Pumping Stations & Waste Water Treatment Plants.
    - Revision for design as process, SLD, PID, & Schematics.
    - Revision for PO's.
    - Prepare the required documents for tender phase.
    - Prepare the work plan.
    - Prepare the manpower plan.
    - Prepare offers to obtain O&M for Desalination Plant.
    - Manage & Supervise the O&M for Nuweibaa Project 15000m3/day.
  - From Jan. 2021 till now (Site Comm. Manager):
    - Project: Nuweibaa SWRO Desalination Plant 15000m3/day.
    - Project Description: Desalination Plant Project on turnkey basis, the plant consists of three RO skids manufactured by GISAQUA.
    - Managing commissioning team till successful water sample.
    - Daily meeting with SMT to follow up the Progress.
    - Supervise construction team during installation team during all equipment installation.
    - Supervise Performing electrical drawing & PID markup.
    - Supervise performing test for electrical equipment.
    - Supervise Performing hydro test for all piping.
    - Supervise Performing flushing test for all piping.
    - Supervise Performing test for all mechanical equipment.
    - Supervise Performing installation & test for all Instruments.
    - Supervise Performing purchase required chemicals.
    - Supervise Performing preparation for all Chemicals.
    - Supervise Performing function test between SCADA and all equipment.
    - Continue working as a project manager till preliminary handing over to client and during O&M stage.
  - From Feb. 2020 till Dec. 2020 (Site Comm. Manager):
    - Project: 4 x 400/132KV Substation – Iraq, Mothana.
    - Project Description: Engineering, procurement and construction of 4 x 400/132KV GIS Substations in Iraq, including testing, commissioning, site preparation works, and civil construction.
    - Managing commissioning team till successful energization.
    - Daily meeting with SMT to follow up the Progress.
    - Supervise construction team during installation and termination of different power and control panels.
    - Supervise Performing LCC schematic drawing markup.
    - Supervise Performing 400KV & 132KV GIS protection & control schematic drawing markup.
    - Supervise Performing GIS testing (Contact Resistance, Timing, CT, VT, ...).
    - Supervise Performing mechanical and electrical operation.
    - Supervise Performing LCC panels interlock testing.

- Supervise Performing function test between 400/132KV LCC and BCU.
- Supervise Performing CT & VT loop test.
- From May 2019 till Jan. 2020 (Lead Comm. Engineer):
  - Project: Manshiat Nasser 220/66/11KV GIS S/S.
  - Project Description: Engineering, procurement and construction of 220/66/11KV GIS Substation, including testing, commissioning, site preparation works, and civil construction.
  - Supervise construction team during installation and termination of different power and control panels.
  - Perform LCC schematic drawing markup.
  - Perform 220KV & 66KV GIS protection & control schematic drawing markup.
  - Perform GIS testing (Contact Resistance, Timing, CT, VT, ...).
  - Perform mechanical and electrical operation.
  - Perform LCC panels interlock testing.
- From Jan. 2019 till Apr. 2019 (Lead Comm. Engineer):
  - Project: Elco Steel 220/33/33KV GIS S/S.
  - Project Description: Engineering, procurement and construction of 220/33/33KV GIS Substation, including testing, commissioning, site preparation works, and civil construction.
  - Supervise construction team during installation and termination of different power and control panels.
  - Perform LCC schematic drawing markup.
  - Perform 220KV GIS protection & control schematic drawing markup.
  - Perform GIS testing (Contact Resistance, Timing, CT, VT, ...).
  - Perform mechanical and electrical operation.
  - Perform LCC panels interlock testing.
- From Jun. 2016 till Dec. 2018 (Site Comm. Manager):
  - Project: West Damietta Power Project phase II.
  - Project Description: CP-117 related to electrical scope for West Damietta Power Plant phase II converting simple cycle to be combined cycle.
  - Supervise construction team during installation and termination of different power and control panels.
  - Support in SAS testing and commissioning.
  - Perform GIS equipment testing (CT, VT CB, Bushing, Surge arrester, CCVT, ...).
  - Carry out CT loop and VT loop Test.
  - Perform mechanical and electrical operation.
  - Perform LCC panels interlock testing.
  - Perform Bus bar primary injection and stability test.
  - Perform High voltage test and partial discharge test for GIS.
  - Perform testing and commissioning for DC, AC distribution panels and also charger, inverter and batteries.
  - Perform testing for MVSWGR included (C.B contact resistance, C.B timing, wiring check, functions, interlock test, bus bar insulation test, bus bar high-pot test).
  - Support in Preforming Secondary injection test for protection MVSWGR relays included (over current, earth fault, short circuit and motor relays).
  - Perform testing for LVSWGR included (bus bar insulation test,

- wiring check, function and interlock test).
- Perform testing the current transformers included (Megger, Turns Ratio, Polarity and Magnetization curve test).
- Perform testing of medium voltage cables included (Continuity, Megger and High pot test).
- Perform testing dry transformers included (Megger, DC resistance, Turns ratio and vector group tests).
- Perform loop check for all electrical systems with DCS (DC, UPS, MVSWGR & LVSWGR).
- Attendance of daily start up meeting as a representative of CP-117.
- From Jun. 2015 till May 2016 (Commissioning Engineer):
  - Project: Mahmoudia Simple Cycle Power Plant.
  - Project Description: Simple cycle gas turbine power plant project on turnkey basis. The plant consists of Two turbines manufactured by Ansaldo Energia.
  - Supervise construction team during installation and termination of different power and control panels.
  - Support in Generators testing and commissioning.
  - Support in TCS testing and commissioning.
  - Support in SAS testing and commissioning.
  - Perform testing & commissioning for power transformer.
  - Carry out CT loop and VT loop Test for overall power plant.
  - Perform testing & commissioning for SFC, Excitation & Service Transformers.
  - Support in performing testing & commissioning for SFC.
  - Support in performing testing & commissioning for Excitation.
  - Perform stability test for power transformers.
  - Perform testing and commissioning for GCB.
  - Perform testing and commissioning for DC, AC distribution panels and also charger, inverter and batteries.
  - Perform testing for MVSWGR included (C.B contact resistance, C.B timing, wiring check, functions, interlock test, bus bar insulation test, bus bar high-pot test).
  - Support in Preforming Secondary injection test for protection MVSWGR relays included (over current, earth fault, short circuit and motor relays).
  - Perform testing for LVSWGR included (bus bar insulation test, wiring check, function and interlock test).
  - Perform testing the current transformers included (Megger, Turns Ratio, Polarity and Magnetization curve test).
  - Perform testing of medium voltage cables included (Continuity, Megger and High pot test).
  - Perform testing dry transformers included (Megger, DC resistance, Turns ratio and vector group tests).
  - Perform loop check for all electrical systems with DCS (DC, UPS, MVSWGR & LVSWGR).
- From Dec. 2012 till May 2016 (Commissioning Engineer):
  - Project: El-Sokhna Thermal Power Plant.
  - Project Description: CP-117 related to electrical scope for El-Sokhna Thermal Power Plant 2x650MW supercritical.
  - Perform testing and commissioning for DC, AC distribution panels and also charger, inverter and batteries.
  - Perform testing the power transformer included (DC resistance,

- Turns ratio, Megger test and Tan Delta).
- Perform testing the current transformers included (Megger, Turns Ratio, Polarity and Magnetization curve test).
  - Perform testing and commissioning for the protection and control panels.
  - Perform testing for generator circuit breakers included (micro ohmmeter, opening and closing timing and insulation resistance test).
  - Perform the stability test for the main and auxiliary transformers before the start-up.
  - Perform testing and commissioning for all interconnection and interlock signals for both units.
  - Perform testing of medium voltage cables included (Continuity, Megger and High pot test).
  - Perform testing of the isolated phase bus bar included Megger, High pot and Leak tests.
  - Perform testing dry transformers included Megger, DC resistance, Turns ratio and vector group tests.
  - Perform loop check for all electrical systems with DCS (DC, UPS, MVSWGR, LVSWGR, transformers & protection panels).
  - Perform maintenance for (MV Switch Gear, Load Center, Mccs, Dc & Ups).
  - Troubleshooting for (Switch Gear, Load Center, Mccs, Dc & Ups).
  - Follow up operation (Switch Gear, Load Center, Mccs, Dc & Ups).
  - Follow up energization for all systems.
  - Attendance of daily start-up meeting as a representative of CP-117.