

Holds a B. Sc. in Geology and a Postgraduate Diploma in Analysis Chemistry. Has over 16 years hands-on experience working as Laboratory / Operator Chemist at Nubaria Power Plant.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 11/01/1981  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## **EDUCATION**

: B. Sc. in Geology, South Valley University, 2003  
: Postgraduate Diploma in Analysis Chemistry, Tanta University, 2015  
: B. Sc. in Chemistry/Geology, Tanta University, 2017

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: Off-shore training course in United Arabian Emirates for 2 weeks by METITO Company.  
: Training course for 1 month in Damanhour Training Center.  
: Training course in Abu Qir Training Center for 2 weeks in Water Treatment.  
: On-shore training course in Nubaria Power Plant for 2 weeks by METITO Company:

- Demineralization Plant.
- Pre-Treatment Plant.
- Sewage Treatment Plant.
- Potable Water System.
- Waste Water Treatment System.
- Oil / Water Separator System.
- Chemical Injection System.
- Steam Water Analysis System.

- : TRAINING IN THE LABORATORY INSTRUMENT AS ATOMIC, GC, ION CHROMATOGRAPHY for 2 weeks in CENTRAL CHEMICAL LAB in Cairo.
- : TRAINING COURSE FOR 2 WEEKS IN HELWAN NET TRAINING CENTER IN ANALYSIS OF DISSOLVED GASES IN TRANSFORMERS OIL.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2007 till now
- Employer** : West Delta for Electricity Production Company
- Project** : Nubaria Power Plant
- Job title** : Laboratory Chemist
- Job Description** :
- Ion Chromatography (ICS1000 Dionex) Instrument, which make Qualitative and Quantitative Analysis for some Anion and Cation of Water Samples.
  - Flame photometer (Jenway) instrument which analyzing some Cations as Na, K, Ca, Li, Ba.
  - Spectrophotometer 6400 Jenway Instrument which measure Absorbance, Concentration, Transmission at different Wave Lengths.
  - PH, Conductivity, Turbidimeter and Dissolved Oxygen Instruments.
  - Background in Chemical Cleaning, Steam Blow Out and Operation for four Alstom H.R.S.G.
  - Analyzing Transformers Oil and Turbine oil.
  - Samples in Chemical Treatment (Ion Exchanger to remove all Hardness Salts from Filtered Water to produce Demi Water to use in Thermal Cycle).
  - Analyzing all Samples in Steam Cycle for all Units (in Feed Water / Condensate Water / in Boiler / Saturated Steam / Super Heated Steam / Hot Reheat).
  - Analyzing all Samples in Potable Water in Station.

- Dates** : From Feb. 2006 till Aug. 2007
- Employer** : West Delta for Electricity Production Company
- Projects** : Nubaria Power Plant & Kafr El-Dawar Power Plant
- Job title** : Operator Chemist
- Job Description** :
- Operator for the following systems in water treatment field as Scada Operator in Nubaria Power Station I & II 2x750MW (Nominal) combined cycle:
    - Demineralization Plant.
    - Pre-Treatment Plant.
    - Sewage Treatment Plant.
    - Potable Water System.
    - Waste Water Treatment System.
    - Chemical Injection System.
    - Steam Water Analysis System.
  - Nubaria Power Station I, II 2x750MW CC:
    - Gas turbine SIEMENS 4x250MW V 94.3A.
    - Steam Turbine MITSUBISHI 2x250MW TC2F.
    - 2 HRSG ALSTOM.
    - Water treatment plant (METITIO) Potable, demi, waste... treatment.
    - Fire protecting piping of fuel tanks (foam system, cooling system)

high voltage transformers (deluge system) powers block, cable room and colony.

- Life line wash system of switch yard (500 & 220KV) (TYCO).
- Hydrogen and oxygen gas plant.
- Diesel generator.
- Supervising system start-up and performance Improvements.

**Dates** : From Oct. 2005 till Feb. 2006  
**Employer** : Middle Delta Electricity Production Company  
**Project** : Nubaria Power Station I, II - 2x750MW Combined Cycle  
**Job Description** :

- Construction Supervisor Chemical Engineer for Water Treatment Construction Works and its Related Contracts.
- Responsible for Installation, Testing and commissioning of water treatment for the Contract NO. 10049-CP-105 (Mechanical Equipments):
  - Pretreatment system.
  - Potable water system.
  - Waste Water treatment system.
  - Sewage water treatment plant.
  - Fuel oil treatment system.
  - Condensate, Feed Water & Circulating Water Chemical Injection System.
  - Laboratory Instrument.
- Responsible for Supervising Specifications, chemical Construction and start-up Activities for Material Site Receiving related to chemical, Environmental works to Complete Construction, start-up Activities.
- Project Environmental, chemical Supervisor Engineer.
- Supervise the contract package schedule and related financial, technical specifications.
- Follow up the project daily works (receive submittals, replay, and equipment construction).

**Dates** : From Feb. 2005 till Oct. 2005  
**Employer** : West Delta for Electricity Production Company  
**Projects** : Nubaria Power Plant & Kafr El-Dawar Power Plant  
**Job title** : Operator Chemist  
**Job Description** :

- Operator for the following systems in water treatment field as Scada Operator in Nubaria Power Station I & II 2x750MW (Nominal) combined cycle:
  - Demineralization Plant.
  - Pre-Treatment Plant.
  - Sewage Treatment Plant.
  - Potable Water System.
  - Waste Water Treatment System.
  - Chemical Injection System.
  - Steam Water Analysis System.
- Nubaria Power Station I, II 2x750MW CC:
  - Gas turbine SIEMENS 4x250MW V 94.3A.
  - Steam Turbine MITSUBSHI 2x250MW TC2F.
  - 2 HRSG ALSTOM.
  - Water treatment plant (METITIO) Potable, demi, waste... treatment.

- Fire protecting piping of fuel tanks (foam system, cooling system) high voltage transformers (deluge system) powers block, cable room and colony.
- Life line wash system of switch yard (500 & 220KV) (TYCO).
- Hydrogen and oxygen gas plant.
- Diesel generator.
- Supervising system start-up and performance Improvements.