

Holds a B. Sc. in Chemistry / Physics and has about 8 years hands-on experience working as Chemist.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/07/1992  
Gender : Male  
Marital Status : Single  
Residence : Giza, Cairo

## EDUCATION

: B. Sc. in Chemistry / Physics, Assiut University, 2014

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: Matlab  
: SPSS

## TRAINING COURSES AND CERTIFICATIONS

: Water and wastewater treatment, Veolia Water.  
: Water Steam analysis training, SWAN Analytische Instrumente AG.  
: Laboratory analysis of water, Drinking Water and Sanitation Company.  
: Laboratory analysis of water, HANNA instruments – HACH.  
: Keys Charismatic personality, Sigma & Eva-Pharma.  
: Summer training program at Assiut Oil Refining Company.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2022 till now  
**Employer** : AAW, Cairo  
**Project** : Elgabal Elasfar WWTP (13000000 m3/d)  
**Job title** : Chemical Consultant Engineer

**Job Description** : Supervision on operation process and laboratory analysis (PST, Biological Treatment, FCT, UCD, Digesters, DAF, RO and Disc Filter).

**Dates** : From Dec. 2016 till Dec. 2021

**Employer** : ORASCOM CONSTRUCTION

**Project** : New Assiut Combined Cycle Power Plant (1500MW)

**Job title** : Water & Wastewater Treatment Process Specialist

**Job Description** :

- Act as Chemical Team Leader, leading chemical team consist of 7 chemists and more than 10 technicians.
- Preparing the process of water treatment needed for (hydrostatic test, steam blow) for HRSG.
- Responsible for chemical cleaning process starting from reviewing with consultant ending to site execution for HRSG (8 units) and condensate system.
- Mechanical Commissioning activity "solo run tests, mechanical load test, hydrostatic Test, air blowing and flushing".
- Hot cleaning for Air Condenser Cooling (ACC).
- Water & steam cycle analyzers "SWAN" commissioning, "O&M".
- Preparing lube oil flushing process of steam turbine "NAS, ISO" test.
- Guiding procurement team and reviewing technical offers for chemicals, pumps and anything related to water treatment process.
- Preparing a full laboratory needed for water & oil analysis.
- Put a Preservation plane of all (HRSGs, ACC, Condensate system and closed cooling).
- Specify or design corrosion and process monitoring systems, Analyze and review.
- Equipment performance & reliability.
- Proposals reviewing.
- Preparing water consumption and chemicals for the steam blow, commissioning and start up.
- Wastewater management and O&M manuals reviewing with suppliers.
- Follow up environmental specification and rules.
- (O&M) Advisor, giving technical advice for the operation and maintenance of Water & waste water treatment plant (400m<sup>3</sup>/h) and HRSG, ACC.

**Dates** : From Dec. 2014 till Nov. 2016

**Employer** : ORASCOM CONSTRUCTION

**Project** : New Assiut Simple Power Plant 1000MW

**Job title** : Commissioning & Start-up Chemist

**Job Description** :

- Responsible for commissioning activity of Bop & gas turbine auxiliaries.
- Ultra-filtration system (UF) & Self-cleaning filters RO system 11 unit as First and second pass.
- Wastewater and Sewage treatment.
- Oil separation from water.
- Sludge processing.
- Boiler water treatment.
- Closed cooling anticorrosion plan.
- Lube oil flushing process, "NAS, ISO" tests.

- Put a plan for water wash of gas turbines.
- Heavy Fuel Oil treatment.
- Preservation and Corrosion Prevention.
- DCS Operator.
- (O&M) Engineer, responsible for all operation and maintenance of water treatment Plant (400m<sup>3</sup>/h).

- Field of experience :**
- Qualified Commissioning & O&M & Process Specialist with very strong mechanical / and good Electrical background supported with about 8 years experience in the field of power plant (GTG-CCGT-STG), Familiar with Suez, PASSAVANT, ACCIONA, GE, Doosan and Veolia machines, Water & waste-water treatment, Simple & combined cycle power plants start-up.
  - Commissioning, operations and shutdown Planning through chemistry side.
  - Interface with other internal engineering disciplines (mechanical, civil, electrical, instrumentation, Automation, etc.) to ensure coordinated designs are going on if required.
  - Ensure that all company targets and objectives associated to quality, business, technical, commercial and Operational areas are met. Issue equipment clearances and work permits. Develop and implement plant operating procedures.
  - Review and analyze accidents and near miss incidents and making corrective action recommendations. Supervised (review & analyze) for all systems that, required chemical additives.
  - CORE QUALIFICATIONS:
    - Power Generation.
    - Simple & Combined Cycle.
    - O&M.
    - HRSG.
    - Desalination.
    - Water & waste water treatment.
    - Corrosion prevention.
    - Procurement.
    - Mechanical Commissioning.
    - Process Design & Proposal.
    - Planning.
    - Research and development.
    - Laboratory Analysis.
    - Technical Office.
    - Management.
    - Project Engineering.
    - Chemical Cleaning.
    - DCS Operator.