

Holds a B. Sc. in Chemistry and has over 12 years of experience in heavy petrochemical industries.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/04/1984  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## **EDUCATION**

: B. Sc. in Chemistry, Alexandria University

## **LANGUAGES**

Arabic : Native Language  
English : Excellent

## **COMPUTER SKILLS**

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

## **TRAINING COURSES AND CERTIFICATIONS**

- : Process Engineering Diploma from Oil and Gas Skills (OGS) powered by the Canadian Institute of Science and Technology (NAIT) in the following topics: Gas processing technology - fired heaters and heat exchangers - rotary equipment (operation and selection) - crude oil and refinery - automation control for petroleum engineering.
- : HSE Specialist from Egyptian Health and Safety Institute.
- : Firefighting course from the Egyptian General Authority of civil defense.
- : Certificate from International Association of safety professions (IASP) general industry course.
- : Integrated management system course (ISO 9001-14001-18001).
- : Risk assessment course from American Academy of education and brain development.
- : Train of trainers (T.O.T) course from American Academy of education.
- : Office Automation (WORD – EXCEL – POWER POINT – ACCESS) from the Northern Military Zone – Information System (Alexandria, Egypt) (Jan. 2004).

- : Visual Basic from the Northern Military Zone – Information System (Alexandria, Egypt) (Aug. 2004).
- : Hardware of computer from the Northern Military Zone – Information System (Alexandria, Egypt) (Jul. 2003).
- : Egyptian Administration for atomic substances (University training).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2010 till now
- Employer** : T.C.I SANMAR PETROCHEMICALS
- Project** : South Port Said - C9 industrial zone: Poly vinyl chloride (p.v.c) with capacity of 400,000 ton per year
- Job title** : Operation Engineer
- Job Description** : AS OFF-SITE, JETTY AREA, CRYOGENIC STORAGE FASSILITY AND ZERO LIQUIED DISCHARGE AREA OPERATION/COMISSIONING IN CHARGE:
- Leading a team of panel operators/field operators for getting maximum and optimum plant output.
  - Communicate with maintenance in charge (mechanical, instrumentation, electrical and civil) for attending any process abnormality and for preparation of shutdown plans.
  - Prepare shutdown plans and arrange all facility required for implementation.
  - Suggest process modifications on the section head and prepare (PMA).
  - Preparing progress reports during commissioning of new plants.
  - Communicate with panel operators/field operators to correct any process abnormalities.
  - Monitor trends and report to production superintendent.
  - Check all operating parameters from Control Room, any deviation to be corrected at the earliest. .Any abnormality beyond control to be informed to section head.
  - Raise PTW and work orders for maintenance to respective department.
  - Keep track of all abnormalities from Control Room, accepting alarms, to record process parameters on hourly basis in specified log sheets.
  - Familiar with "Right First Time" concept and activities of key areas i.e. Cleanliness & Preservation, Tightness, Operability & Maintainability.
  - Isolating and handling over of equipment's for major maintenance.
  - Collect and analyze extra samples during any plant abnormalities or on instruction of Production superintendent.
  - Prepare and maintain up to-date plant operating records and other plant operation related records.
  - Provide field support to all Process Operators in maintaining operating parameters.
  - Proper communication with all Sections Operators regarding plant related work. Any deviation in set parameters to be informed to respective Section Operator and to be corrected at the earliest.
  - If required to work as process operator.
  - Follow guidelines and instructions issued by Production superintendent.
  - Receive test result from QC Lab via telephone and follow up outstanding samples sent by Process Operators.

- Develop and maintain good industrial relation at all times.
- Well trained on using various types of plant communicational devices (PA system /radio/expulsion proof phones....etc.).
- Ensure PPEs for the process area team is available at site and continually review their compatibility with services.
- Witness and sign off on per-commissioning checks (including loop testing, stroke checks of valves, individual ESD loop test's).
- Execute dynamic commissioning (including first fills, Cause & Effect testing etc.) .
- Ensure MSDS awareness for operators, as well as proficiency in HAZMAT Response in all emergency spill cases.
- Internal Auditor to Perform Weekly WSCS on different kind of Work Permits.
- Participate in developing training plan and deliver training courses to the operations team and others.
- IN ADDITION TO PRE-COMMISSIONING & COMMISSIONING EXPERIENCE THAT INCLUDE:
  - Preparation of progress reports during construction.
  - Preparation of check lists and punch lists as per design drawings.
  - Pre-comissioning activities (flushing - testing - steaming - drying - purging - evacuating...etc.).
  - Trouble shooting experience within the hardware of the DCS and PLC'S.
  - Valve tuning experience & performing loop and function checks for DCS.
  - Capability to start-up and testing procedures in addition to general safety practices like ESD / lockout / tagout, etc.

**Dates** : From Mar. 2010 till Mar. 2011  
**Employer** : T.C.I SANMAR CHEMICALS  
**Project** : Chloro-Alkali Plant  
**Job title** : GAS TREATMENT SECTION AND HYDROLYZERS SHIFT IN CHARGE

**Dates** : From Jun. 2007 till Mar. 2010  
**Employer** : International Industrial Chemical Park (I .I .C .P) (Libra)  
**Job Description** :
 

- Field Operator / Panel Operator in chlorinated paraffin plant.
- Production line duties including monitoring and controlling all the parameters of process through the distributed control system (centum3000 Yokogawa system) by optimizing the operation of Reactors, chlorine vaporizers, degassing sections, absorption towers, pumps, blowers and heat Exchangers.

**Employer** : Target Water Treatment Specialists Company  
**Job title** : System Engineer  
**Job Description** : Working in this field for one year during the study.

**Employer** : United Group for oils & coatings  
**Job title** : Chemist in alkyd resin production unit

- Field of experience :**
- Operations Engineer with 12 years continual experience in petrochemical and chemical plants, studying the optimum operation parameters in production. Offsite and cryogenic storage offering demonstrated skills in pre-commissioning, commissioning, troubleshooting, start-up & operation of plant and utilities with committed exposure in Quality, Reliability, Safety & Environment, and Training & Development. Working with T.C.I Sanmar Petrochemicals Co., Port Said, Egypt, for last 9+ years, as DCS Controller / Shift in charge / Commissioning Engineer.
  - Having a very good experience in dealing and operating a various types of operating equipment's including: Pressure vessels (sphere tanks, ethylene storage tanks, propylene storage tanks, EDC storage), all hydrocarbon loading and unloading facility including jetty area unloading terminals and cryogenic handling terminals, HP compressors (YORK design), cryogenic refrigeration units (BOILING OFF GAS) Jonson controls, almost most of the types of pumps, heat exchangers, Distillation columns, gas Removal units, zero liquid discharge, incinerator and flare system (AIROIL-FLAREGAS system).
  - Summary:
    - 12 years of experience in heavy petrochemical industries in same category.
    - A significant level of problem solving ability.
    - A thorough knowledge of unit operations.
    - Familiar with plant start-up, shutdown procedures.
    - Familiarity with graphics display number, historical trends manipulation and all design drawings (PFD / PID / GAD / ISOMETRICS / LAYOUTS...etc.).
    - Familiar with YOKOGAWA - HONEYWELL - SCADA - PLC (SIEMENS) - ALLEN BRADLEY systems.
    - Experienced in Pre-Commissioning, Commissioning and Start-up, shut down and plant turnaround for planned and emergency outages while supporting planning & execution of preventive, predictive & corrective maintenance programs.
    - Competent in leading and orienting operations team by guiding and training on all aspects of process operations to enable teams to perform all plant functions under their controls in the Operations Plants in Fields.
    - A collaborative leader with strong communication and presentation skills capable of organizing and directing teams on targets within the framework of SOPs & GOPs and EOP's.
  - AREAS OF EXPERTISE:
    - Plant Operations Utilities & Process.
    - DCS Operations YOKOGAWA / PLC/SCADA / HONEYWELL & Controls.
    - Pre-Commissioning.
    - Commissioning & Start-up.
    - Troubleshooting.
    - Maintenance Planning.
    - Plant Shut Downs.
    - Operations Training / Safety Training.

- Process Monitoring & Controls.
- Control Logic Preparation.
- Loop Checks.
- Training & Development.
- Operations Reporting.
- Review of Procedure.
- Risk Assessment.
- Initiate New SOPs.
- Field Start-up & Shutdown.
- Creativity SAP System.
- Leadership.
- Human assessment.
- ISO 14001.
- Op. Management.
- Fire Safety.
- Modeling and Simulation.
- Cryogenic units.
- Train of trainers.
- Leadership & Human capital management:
  - Fully manage a personal development plan while playing a fundamental role in organizational learning and development.
  - Ability to lead team by example, excellent in communication, decision making, analytical skill for problem solving and managing business.
  - Ability to manage human resources through effective and appropriate delegation of work and strive to maintain collaborative working environment.
  - Recognize leadership styles that are misaligned with organizational strategies, and recommend improvements. •Demonstrate and execute leadership styles with the ability to adapt them towards changing operational environments.
  - Act as an organizational model for personal effectiveness attributes, coaching and mentoring others where appropriate.
  - Address critical problems and execute high-risk decisions where necessary.