

Holds a B. Sc. in Chemistry and has about 27 years of progressive employment in the scope of Commissioning & Operations that related to industrial projects such as: Oil & Gas, Petrochemicals, Power Generation, Utility Plants, Water / Wastewater Treatment, Desalination & Fertilizers Projects.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/06/1967  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## EDUCATION

: B. Sc. in Chemistry, Ain Shams University, 1988

## LANGUAGES

Arabic : Native Language  
English : Excellent  
Spanish : Basics

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : OSHA General Industry + OSHA Construction Industry.
- : Internal Auditing training for Environmental ISO standard ISO14001:2004.
- : Internal Auditing training for Safety standard OHSAS 18001:1998.
- : Internal Auditing training for QMS according to the Quality standard ISO 9001:2000.
- : Safety awareness and first aid training at QASCO & QGPC, QATAR.
- : Firefighting, Interior Ministry – Egypt.
- : Boiler initial acid cleaning and start-up training courses by Babcock and Wilcox.
- : Reverse Osmosis training by AQUATECH International in Sidi Krir Power Plant.
- : Boiler water chemistry and monitoring protocols training by NALCO, Egypt.
- : Reverse Osmosis O&M and efficiency control training by NALCO GULF, DUBAI.

- : Chlorine dioxide disinfectant for cooling systems by Caffaro Co., Italy & Malta.
- : Corrosion and Corrosion Control training courses in Qatar steel co. Ltd by IMCD.
- : Risk assessments and job safety analysis.
- : HAZOP & HAZCOM applications.
- : LOTO control and permit to work systems.
- : Accident & incident investigation and reporting.
- : Implementations of ISO 14001 & OHSAS 18001 standards.
- : Safety training and tool box talk communications.
- : Computer software like, JDE & PI systems.
- : Water treatment analysis and measurements training by ISCOA, QATAR.
- : Computer skills capabilities.
- : Bechtel basic and site specific training courses, constituting a program of concentrated study of power plant equipment theory and applications in Shoubra 4x315MW PP.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2016 till May 2017
- Employer** : OHL Industrial Co. JV with Mid Construction Co.
- Project** : Amman Strategic Reserve Terminal for Petroleum Products Project at Amman – JORDAN (300,000 tons storage facilities for gasoline 90/95, diesel, jet fuel and LPG)
- Job title** : Commissioning & Completion Manager
- Job Description** :
- Prepare all pre-commissioning and commissioning requirements as per contract such as:
    - Subsystem and System definition of all disciplines of the project.
    - Pre-commissioning and commissioning test procedures and certificates.
  - Design and construction project reviews concerning the operability, of commissioning and start-up.
  - Prepare the list of pre-comm/ commissioning tools, chemicals & other requirements.
  - Schedule, together with the Planner, commissioning activities and sequences priorities for mobilization of Commissioning Team and Vendors.
  - Collaborate with the Construction Manager on site for mechanical completion and Commissioning execution and punch list closing.
  - Interface with the Client for test procedures approval, participation during execution and Certificates Acceptance.
  - Follow up the Punch List Issuing for each system and solving of outstanding issues.
  - Assuring the commissioning documentation/certification collection in a final reports to be delivered to the Client TOP final dossier.
  - Prepare the commissioning strategy for the required petroleum products quantities of Gasoline 90 & 95, Diesel, LPG and Jet fuel.
  - Provide the commissioning risk assessment and JSA of all commissioning activities.

- Provide the comm. Procedures for truck loading, unloading and first filling of the products.
- Prepare the comm. Organization chart and vendor assistance plan.
- Represent the company to explain the commissioning sequences execution to the client/owner.
- Coordinate with the concerning governmental department (civil defense) regarding the firefighting system's testing approvals.

**Dates** : From Oct. 2015 till Mar. 2016  
**Employer** : Intecsa Industrial S.A  
**Project** : Additional DAP warehouses and associated facilities project – Ras Alkhair, KSA  
**Job title** : Commissioning Manager  
**Job Description** :

- Develop and implement LOTO and work permit procedures.
- Commissioning risk assistant & JSA of activities.
- Commissioning & energization Safety training for subcontractors and other related staff.
- New substation precom., commissioning & energization.
- Belt conveyors commissioning & start-up.
- Warehouse reclaimer comm. & start-up.
- Yokogawa DCS & FF systems comm. & start-up.
- Planning and organize the vendors arrivals and subcontractors.
- Providing all the commissioning procedures.
- Other requirement of commissioning and project completion requirement.

**Dates** : From Mar. 2014 till Jun. 2015  
**Employer** : Intecsa Industrial S.A  
**Project** : Gas & NGL Exporting facilities project - Kafji, KSA  
**Job title** : Commissioning Manager  
**Job Description** :

- Pre-comm. / comm. of Fire Fighting and Utility systems.
- To provide / review the commissioning & start-up schedule and procedures.
- Arrangements of Pre-com. / Commissioning works according to Aramco standard and procedures requirements.
- Interact with the Construction and Punch List Closing.
- Coordinate with the client to witnessing and approve all activities.
- Organize the attendance of vendors and suppliers as per the progress schedule.
- Coordinate with vendors & subcontractors.
- Schedule the Site walk through, inspections, evaluations with the owner.
- Manage risk assessment and safety hazards of operational activities & environment.
- Select of subcontractors and suppliers for cost & budget control.
- Selecting the required staff for commissioning and operation.
- Maintain the availability of all required spare parts & chemicals and inventory.

**Dates** : From Dec. 2012 till Dec. 2013  
**Employer** : Dragados Gulf / Intecsa Industrial S.A  
**Project** : Hostalen ACP project – HDPE plant – Al Jubail, KSA (for Saudi Kayan / SABIC Petrochemical Complex)  
**Job title** : Commissioning Manager  
**Job Description** :

- Reporting to the site & project managers.
- Prepare the Pre-commissioning / commissioning plan.
- Review all Related procedures for chemical cleaning, flushing & blowing of piping systems.
- Cooperate with vendors & subcontractors.
- Safety coordination's, with all staff as well as the client.
- Maintain & plan for closing punch list to meet the hand over schedule.
- Prepare of handover packages with the QA/QC.
- Maintain the availability of all required commissioning spare parts & chemicals.
- Responsible for the Safe and Efficient operations.

**Dates** : From May 2011 till Dec. 2012  
**Employer** : KHARAFI NATIONAL EGYPT  
**Projects** :

- EL-SHABAB SIMPLE CYCLE POWER PROJECT 1000MW (125x8)
- DAMIETTA SIMPLE CYCLE POWER PROJECT 500MW (125x4)
- WEST DAMIETTA SIMPLE CYCLE POWER PROJECT 500MW (125x4)

**Job title** : Commissioning Superintendent  
**Job Description** : Manage & implement the commissioning & start-up activities for the following:

- Ultra filtration and R.O water treatment plants 240 m3/hr.
- Demineralization mixed beds with its regeneration facilities.
- Storage tanks & related pumps and distribution stations.
- Sewage and waste water treatment plants.
- Potable water and water distribution system.
- Closed cooling water cycles and set the corrosion control chemical program.
- Lube oil cycle flushing and oil analysis.
- Chemicals supply and water analysis for all the processes.
- Interact with the vendors, subcontractors & the owner.

**Dates** : From Sep. 2009 till May 2011  
**Employer** : INITEC Energia S.A  
**Project** : EL-TEBBIN THERMAL POWER PROJECT (700MW)  
**Job title** : Commissioning & Start-up Lead  
**Job Description** : For the scope of construction package CP-118, I was assigned to perform the commissioning and operation for the following:

- Closed cooling systems commissioning & chemical treatment.
- Condensate and Feed water systems lines, pumps, condensers, Heaters etc.
- Sampling system, instruments calibration and reagent solutions preparation.
- Circulating water system, pumps and intake facilities.

- Degreasing, Chemical cleaning and passivation for condensate/feed water systems.
- Compressed air system, water cooled compressors, Air cooled compressor & Dryers.
- Firefighting system, electrical and diesel pumps start-up and operation.
- Potable water system, disinfections & operation.
- Fuel oil and diesel oil systems commissioning.
- Coordinate with client, vendors & suppliers.
- Documentation and completion works.

**Dates** : From May 2009 till Sep. 2009  
**Employer** : [EGYPTROL](#), Seconded to TOSHIBA Plant Systems & Services Corporation  
**Project** : SIDI KRIR 5 & 6 COMBINED CYCLE POWER PROJECT (750MW)  
**Job title** : Shift in Charge Engineer for Commissioning & Operation of BOP systems  
**Job Description** :

- Closed cooling cycle including pumps, strainers, and Heat exchanges.
- Service and instrument air compressors.
- Self-cleaning sea water strainers.
- N2, H2 & CO2 gases distribution systems.

**Dates** : From Jul. 2008 till Apr. 2009  
**Employer** : Consortium of IBERINCO (IBERDROLA Ingenieria Construction)  
**Project** : FUJAIRAH Extension Power Project (UAE):  
The Fujairah power project extension has one Gas Turbine (GE 9001 FA) 225MW, including HRSG and ancillary facilities.  
**Job title** : Commissioning Chemical Engineer  
**Job Description** : Assigned to perform the following:

- Chemical cleaning of HRSG, safety procedure and monitoring the waste water quality to be within the legal environmental limits before disposal.
- Apply the HRSG boiler treatment & closed cooling water chemical programs.
- Commissioning and start-up of the chemical dosing systems.
- Commissioning and start-up of the sampling system with its required calibrations and reagent preparation for the online analyzers.
- Maintain the boiler water/steam quality within the recommended limits.
- Developed and implemented HSE plan for the chemicals activities in the site.
- Maintain water and oil analysis schedule.

**Dates** : From Jan. 2001 till Jun. 2008  
**Project** : Sidi Krir Power Plant 3 & 4  
The first BOOT project in Egypt, started the commercial operation in 2001. The company was owned by the following international companies: Interger / Edison and Globeleq, at present it is owned by Tanjong Power Co.  
**Job title** : Plant Chemist

- Job Description** : Maintaining Safe and Efficient operations for the following facilities:
- Reverse Osmosis two stages desalination unit.
  - Condensate polisher systems.
  - Chemical injection systems and required chemical analysis.
  - Chlorine gas/chlorine dioxide injection systems.
  - Waste water treatment facilities, Oil / Water separation units.
  - Preparations of chemical activities risk assessments & tool box talks for the staff.
  - Preparation of Safety & Operation training program and testing procedures.
  - Provided and implemented the Safety and Environment procedures as well as the chemical handling and chemical storage procedures.
  - Manage all the chemistry programs required to maintain water/steam systems in the limits.
  - Provide annual budget model requirements for chemistry operations.
  - Natural Gas and Fuel Oil quality monitoring and analysis tracking.
  - Participated on achieving ISO 14001, OHSAS 18001 & ISO 9001 certificates.
- Dates** : From Dec. 1994 till Dec. 2000
- Employer** : Qatar Steel Company Ltd.  
(Energy Dept. - Water and Gas utilities section)
- Job title** : Shift Charge Operator
- Job Description** : Assigned to maintain the operation and preventive maintenance schedules of the following systems and equipment:
- DRGP - 3900 Cryogenic Air Separation Plant built by SIAD Co. (Pergamo, Italy):
    - The plant capacity is 3700 Nm<sup>3</sup>/hr of gaseous Oxygen, 200 m<sup>3</sup>/hr of liquid Oxygen and 11,000 Nm<sup>3</sup>/hr of gaseous Nitrogen. The plant is totally fully automatic DCS operated.
    - Participated in the plant construction & pre-commissioning phases, of purifiers' media filling, cold box insulation media filling and cooling water system preparation.
  - Atlas Copco air compressors 3x20,000 Nm<sup>3</sup>/hr, Chiller units by York , air purifiers, Cold Box, 2nos. process Turbine 14,000 rpm, Primary & Secondary Heat exchangers by Siad, liquid Oxygen and gaseous Nitrogen storage facilities, O<sub>2</sub> and N<sub>2</sub> supply compressors.
  - TCON – 120 Cryogenic Air Separation Unit:
    - Producing 120 Nm<sup>3</sup>/Hr of gaseous Oxygen and 60 Nm<sup>3</sup>/r of gaseous Nitrogen with respective compression and bottling facilities of up to 150 bar, with it's all accessories such as Raw air compressor, Refrigerating unit, Molecular sieves desiccating unit, O<sub>2</sub> & N<sub>2</sub> gases supply compressors and cooling water system.
  - 2600-m<sup>3</sup>/hr Circulating Water-Cooling System:
    - For the direct reduction plant (midrex process) with 5000m<sup>3</sup> clarifier capacity, heat exchangers, filtration system, softeners, chemical dosing facilities etc.
  - 40,000 Nm<sup>3</sup>/Hr Natural Gas pressure reducing station and Handling facilities.
  - 10,000 Nm<sup>3</sup>/Hr Compressed Air Supply System:
    - For service and instrumentation uses, compressing of screw type

ATLAS COPCO air compressors 4x2000 Nm<sup>3</sup>/hr ZR group and Man-GHH 2800-315 type.

- Commissioning and start-up in charge of demineralizer plant, 30 m<sup>3</sup>/Hr capacity built by CULLIGAN.

**Dates** : From Jan. 1992 till Dec. 1994  
**Project** : Abu Qir Power Plant 900MW  
**Job title** : Shift Chemist  
**Job Description** : Responsible for operating the following systems:

- Raw water pretreatment plant (chlorination, clarification and filtration).
- Counter-current three trains demineralizer plant 180-m<sup>3</sup>/hr capacities.
- Two condensate polisher systems with resin regeneration facilities.
- Water and steam quality adjustment through chemicals feed system.
- Performing all the required water analysis during the shift.

**Dates** : From Nov. 1990 till Dec. 1992  
**Employer** : Cairo Electricity Production Company  
**Project** : Shoubra El-Kheima Power Plant 1400MW  
**Job title** : Shift Chemist  
**Job Description** : Responsible for operating the following systems:

- Raw water pretreatment system (1100 gpm).
- Three train demineralizer units (3x300 gpm).
- Four condensate polisher units with resin regeneration facilities (4000 gpm each).
- Waste water, Oil removal systems using the dissolved air floatation system.
- Sewage treatment unit.
- Hydropneumatic / potable water system.
- Performing all the required water analysis during the duty time.