

Holds a B. Sc. in Chemical Engineering and has over 10 years hands-on experience working as Cathodic Protection Engineer, Production and Quality Engineer.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 08/03/1988  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## **EDUCATION**

: B. Sc. in Chemical Engineering, Minia University, 2009

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Visio  
: Aspen HYSYS Steady State  
: AUTOCAD and AUTOCAD P&ID

## **TRAINING COURSES AND CERTIFICATIONS**

- : Maintenance & Installation of CP Transformer Rectifier, FOX Industrial Electronics; Alexandria (Jun. 2020).
- : Cathodic Protection Course, Protect for Protection Technology, Cairo (Feb. 2016).
- : Chemical Process Engineering Diploma, Information Technology Specialist (ITS) Training Center in Alexandria (Dec. 2014 – Apr. 2015):
  - Distillation Towers Internal & Troubleshooting.
  - Heat Exchanger Types & Selection.
  - Valves Types & selection.
  - Separators Internals.
  - Furnace Internals & Operation.
  - Process Pre-Commission, Commission & Start-up.
  - Process Simulation using Aspen HYSYS Steady State.

- AUTOCAD and AUTOCAD P&ID.
  - Compressors Types & Selection.
  - : Intermediate English Course, Information Technology Specialist (ITS) Training Center in Alexandria (Jan./Feb. 2015).
  - : English Course, Ministry of Defense Language Institute in Alexandria (May/Jun. 2013).
  - : OSHA General Industry Safety & Health (29 CFR 1910), Arab Association for Health & Safety Experts and Professionals (ARAB QOSH) & High Trade Group for Health & Safety, Alexandria (Jun. 2013).
  - : Firefighting Training workshop, General Directorate of Egyptian Civil Defense, El-Behira Governorate (Mar. 2012).
- Trainings at:
- BELAYIM Petroleum Company (PETROBEL) (2008).
  - KHALDA Petroleum Company (2007).
  - Lab of Chemistry in Faculty of Engineering - Minia University (2006).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2019 till now
- Employer** : Middle East Corrosion Control (MECORR), Cairo  
(Activities: corrosion protection, Earthing & lightning protection)
- Projects** :
- Advansys Project Company at Abu Rudeis (Dec. 2020 – now): Site survey & design & installation of CP system for new onshore 6 inches diameter pipeline of 4.67 km.
  - ORASCOM & Hassan Allam Construction Company at 6<sup>th</sup> October (Dec. 2020 – now): Design, material supply, installation, testing and commissioning of permanent sacrificial anode cathodic protection system with 25 years life time for 1500 mm diameter pipeline with 3500 m length.
  - Hassan Allam Construction Company at New Capital (Apr. 2020 – now): Design, material supply, installation, testing and commissioning of permanent cathodic protection system using sacrificial anode with 25 years life time for 1800 mm diameter pipeline with 220 m length and 2000 mm diameter pipeline 156 m length.
  - Concord for Engineering and Contracting at Cairo New Capital (Sep. 2020): Installation of SACP system for Main Discharge water pipeline.
  - PETROJET Company at AJROUD, RAS SHUKEIR, RAS BADRAN, RAS GARAB sites (Apr. 2020 – now): Installation of External CP system for 110 m diameter crude oil storage tanks using MMO ribbon Anode.
  - ORASCOM Company at Supercritical 650MW Steam Power Plant at EL WALIDYA, ASSIUT (Dec. 2019 – Sep. 2020): Installation of Cathodic Protection System for Underground Piping and sheet piles.
  - DAMIETTA Container & Cargo Handling Company at Damietta (Dec. 2019 – Sep. 2020): Rehabilitation of cathodic protection system of the piers for the containers area.
  - Hassan Allam Company at West Assiut, Nasr City (Dec. 2019 – Sep. 2020): Design & Support & Installation of ICCP system of steel water pipes (19 km, 1m diameter).
- Job title** : Cathodic Protection Engineer

**Job Description** : 

- Review and monitor the installation of cathodic protection (ICCP & SACP) system.
- Commissioning and handover test for CP system.
- Rehabilitates the old Cathodic Protection system.
- Do Design Package for new cathodic protection system.
- Do site survey service including Diagnose and remedy system difficulties for old system.
- Do Soil resistivity surveys, continuity test, insulation test, rectifier maintenance.
- Review material and design requirements of new projects and modifications including the design requirement and monitoring criteria for Cathodic Protection System and submits recommendations to supervisor.
- Fabricate cathodic protection material; MMO Probe Anode, permanent & portable reference electrode and supervise preparation of anode and CP materials.
- Responsible for preparation of CP materials (anodes, reference electrode, rectifier).
- Prepare tender package.

**Dates** : From Nov. 2018 till Nov. 2019

**Employer** : AGON Biomass Factory, Amreya – Alexandria  
(Activities: Wood Pellet Fuel manufacturing)

**Job title** : Production & Quality Control Section Head

**Job Description** : 

- Habilitate the factory to get the ENPLUS International quality certificate and do all internal auditing to sustain continuity of certificate.
- Prepare product & process quality reports to communicate outcomes of quality activities.
- Follow up the plant operation process and worker distribution.
- Do lab analysis as; Ash Test, Humidity Measuring, Durability measuring, bulk density.

**Dates** : From Feb. 2016 till Oct. 2017

**Employer** : Protect Organization for Protection System & Consulting & Training, Cairo  
(Activities: corrosion protection, Earthing & lightening protection)

**Projects** : 

- North Cairo Electric Power Station at Cairo (Aug. 2016 – Oct. 2017): Rehabilitation of the cathodic protection system for buried pipelines & tanks and waterfalls machine.
- Marina Petroleum Company at Marina (Aug. 2017 – Sep. 2017): Rehabilitation of the ICCP system of for buried pipelines (d=8" & L=8.2km).
- Arab Contractors Company at Cairo New Capital (Jan. 2017 – Jun. 2017): Implementation of the cathodic protection system of buried pipelines of water pumping station No-3.
- Alexandria Electricity Distribution Co. at Alexandria (Sep. 2016 – Oct. 2017): Installation of new Earthing protection system for electricity distribution units.
- El-Kureimat Solar Power Production Station (Feb. 2016 – May 2016): Wrapping for buried 8" water pipelines.

**Job title** : Cathodic Protection Engineer

- Job Description** :
- Review and monitor the installation of cathodic protection (ICCP & SACP) system.
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  - Rehabilitates the old Cathodic Protection system.
  - Do Design Package for new cathodic protection system.
  - Do site survey service including Diagnose and remedy system difficulties for old system.
  - Do Soil resistivity surveys, continuity test, insulation test, rectifier maintenance.
  - Review material and design requirements of new projects and modifications including the design requirement and monitoring criteria for Cathodic Protection System and submits recommendations to supervisor.
  - Fabricate cathodic protection material; MMO Probe Anode, permanent & portable reference electrode and supervise preparation of anode and CP materials.
  - Responsible for preparation of CP materials (anodes, reference electrode, rectifier).
  - Prepare tender package.
- Dates** : From Apr. 2011 till Jan. 2016
- Employer** : Misr Specialty Fertilizers (MSF) Factory; YARA International Company branch; El-Behira (Activity: NPK Fertilizers Production)
- Job titles** :
- Quality Engineer (QA/QC) (Jun. 2014 – Jan. 2016)
  - Production Engineer (Apr. 2011 – May 2014)
- Job Description** :
- Have a vital and effective role in habilitation the MSF Company to get the international fertilizer industry Association (IFA) quality certificate, and make quality manuals for MSF factory and follow up implementation.
  - Check delivery of raw materials and testing during processing to ensure final products are of prescribed quality according to ISO 9001 system and TQM program of each company.
  - Set and improve product standards, record any modification in manuals solve quality related problem.
  - Investigate customer complaints and non-conformance issues.
  - Do physical & chemical Analysis for samples as concentration (using ionic chromatography system ICS, KJELDAHL Apparatus), Solid & Liquid Density, PH&EC Test.
  - Report Periodically to CEO or plant Manager of the company about quality activities.
  - Drawing up production schedule & Job Orders according to customer needs.
  - Overseeing production processes & Analyze production data & Write production reports.
  - Monitor a plant's workers to ensure they meet performance and safety requirements.
  - Organize and supervise the truck loading process of the final products, operation of liquid and solid packaging lines (0.1– 20L) & (0.2- 15Kg).
  - Ensure required production schedules are met in accordance with quality standards, safety requirements, and regulatory standards.
  - Ensure optimum usage of worker & time to increase productivity, reduces wastage, and ensures safety of plant and personnel.

- Troubleshooting production problem assuring all machinery, equipment and facilities are properly maintained for efficient production.
- Co-ordinate with maintenance department for trouble shooting of equipment related problems to achieve optimal running condition.
- Participated on Emergency evacuation plan and in choice the optimum PPE for worker.

**Dates** : From Dec. 2010 till Apr. 2011  
**Employer** : United for Developed Industries (UDI), Qalubiya  
(Activity: PVC Plastic pipes from 20 to 800 mm)  
**Job title** : Production Engineer  
**Job Description** : Participate on the Commission and start-up process for PVC Pipe production lines of the UDI Company.