

Holds a B. Sc. in Chemical Engineering and has 3 months experience working as Operation Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/09/1996
Gender : Male
Marital Status : Single
Residence : 6th of October, Cairo

EDUCATION

: B. Sc. in Chemical Engineering, Tanta Higher Institute of Engineering and Technology, 2019

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Fundamental of natural gas processing, TAQASERVE (Apr. 2019):
 - Understand the chemistry of natural gas basic science.
 - Training on the major and common processes of the natural gas plants starting from exploration, extraction, processing, production, transportation, storage and distribution.
 - Training on technical process drawings including PFD and P&ID.
 - Understand how natural gas is found in nature and how gas wells are developed.
 - Understand various methods used to purify natural gas including excess water removal, dehydration, mercury removal, nitrogen removal, gas sweetening and sulfur recovery.
 - Understand the oil and gas facilities terminology.
 - Understand the transportation of the natural gas using piping system including pipes, valves, and various equipment such as compressors.
- : Summer training at CAIRO OIL REFINING COMPANY, Tanta (Aug. 2018):
 - Field training on the main operating process of crude oil distillation in the plant to produce multiple products such as Propane, Butane, Kerosene,

- Benzene, Diesel, LPG and Mazut.
- Field training on major equipment including distillation towers, desalter, pumps, compressors, furnaces, re-boilers, tanks, and heat exchanger.
- Training on project phases including FEED, detailed design, and construction. Also training on plant multiple drawings such as PFD, P&ID, Plant layout, and piping isometric with technical office team.
- Training on piping network hydraulic calculation and sizing, piping components including fittings and valves, pipe supports.
- : Summer training at THE GENERAL PETROLEUM COMPANY, Ras Ghareb (Sep. 2018):
 - Field training on main process of crude oil such as extraction, primary treatment, and storage.
 - Training on crude oil process technical drawings such as PFD and P&ID.
- : Process simulation using ASPEN HYSYS, EGYPTIAN COMPANY FOR ENGINEERING TRAINING, Cairo (Jul. 2017):
 - Build a process model to simulate, optimize and predict the performance of the process. under steady condition.
 - Modelling and sizing multiple equipment such as Distillation, reactors, Heat exchanger, compressors, pumps and valves.
 - Perform heat and mass balance for the all process.
- : Summer training at UNITED GAS DERIVATIVES COMPANY, Port Said (Jul. 2017):
 - Field training on many gas processes in order to extract the NGL and produce propane, LPG and condensates starting from pre-treatment section through NGL extraction section and fractionation area to storage & loading area.
 - Field training on multiple gas processes equipment including heat exchangers, tanks, vessels, compressors, pumps and turbines.
 - Field training on gas process simulation, control and optimize the performance of plant using ASPEN HYSYS.
 - Field training on piping system components such as pipe, pipe fittings, flanges and multiple valve types.
 - Training on safety precautions so as to ensure proper and safe operation for people and equipment.
- : Oil, Gas and Petrochemicals Diploma, EGYPTIAN COMPANY FOR ENGINEERING TRAINING, Cairo (Aug./Sep. 2017):
 - Training on Petroleum Refining Engineering including formation, composition and evaluation of crude oil.
 - Training on physical separation processes such as atmospheric distillation, vacuum distillation and solvent extraction.
 - Training on conversion processes such as thermal cracking, catalytic cracking and delayed coking.
 - Training on gas conditioning processes such as gas sweetening and dehydration.
 - Training on natural gas liquids (NGL) recovery including gas chilling and expander-compressor (NGLs) recovery process.
 - Training on gas liquefaction (LNG) production.
 - Training on petrochemical engineering processes including polymerization, thermoplastics, thermosetting, polyethylene production processes and plastic recycling.
 - Training on heat transfer equipment such as heat exchanger, fired

- heater and steam boilers including theory of operation and maintenance.
- Training on process equipment principles in oil and gas industry such as separators, fractionating towers, pumps, compressors, storage tanks and valves.
- Training on pressure relieving and flaring system including types of gas and liquid HCs flare systems and flare gas recovery technology.
- : Summer training at El Delta Company for Fertilizers & Chemical Industries, Talkha (Jul. 2016):
 - Training in many plants such as Urea plant, Ammonia plant, Ammonium Nitrate, power plant and Water treatment plant.
 - Training on many plants' equipment such as compressors, pumps, boilers, heat exchangers, steam turbine and tanks.
- : AUTOCAD 2D, Scientific Computing Center, Mansoura University (Oct. 2015): Design, Develop, Drafting and plotting 2D drawings.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2021 till now
- Employer** : TCI SANMAR CHEMICALS (Alco Ethylene Plant, VCM)
- Job title** : Operation Engineer
- Job Description** :
- Monitor operational reports (Daily, Weekly, Monthly, etc.) of operational facilities.
 - Prepare and Review all Work Permits, Job Procedures and Related Safety Documents.
 - Interact with the HSE Advisor to coordinate the application of HSE standards in all procedures.
 - Daily Contact with Towers, Vessels, Pipelines, Rotary and Static Equipment, Check and Monitor (P, T, L, Q) which keep all Processes in safe side and high performance.
 - Work on operational and maintenance troubleshooting assisting facilities as needed.