

Mohamed Feheed

Chemical Engineer

Location: port said, Egypt
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Military Status: final exempted
marital Status: Single.
Date of Birth: 19 June 2000.

Objective

Chemical Engineer is seeking a process and control engineer position using my knowledge from various fields, to increase high production rate, improve product quality by playing a key role in the commissioning and distributed control systems, and adjust ideal operating parameters.

Education

B.Cs. in Chemical Engineering. **Sep 2018 – May 2023**
The High Institute of Engineering and Technology in New Damietta, Egypt.
Graduation Project: Adsorption of toxic pollutants from wastewater using activated carbon derived from wood sawdust.
Project Grade: Excellent.

Experience

- **Field Operation Engineer| water desalination plant, The Suez Canal Container Terminal, Port Said**
May 2024-Nov 2024
- **Monitoring Processes:** Overseeing the pre-treatment vessels (such as sand filters, carbon filters, and cartridge filters) and the reverse osmosis (RO) units to ensure proper water flow and system performance.
 - **Operating RO Equipment:** Managing the RO system to maintain optimal pressure, flow rates, and permeate quality.
 - **Water Quality Analysis:** Performing regular sampling and analysis of feed water, permeate, and brine to monitor total dissolved solids (TDS), pH, and other key parameters.
 - **Troubleshooting:** Identifying and addressing issues such as pressure drops, fouling, or scaling in the system.
 - **Safety Monitoring:** Ensuring operations follow safety protocols and using protective equipment as needed.
 - **Data Recording:** Keeping logs of operational parameters, water quality results, and any deviations from standard operations.
 - **Membrane Cleaning Operations:** Executing cleaning procedures for membranes, such as chemical cleaning or flushing, to remove fouling and restore performance.

➤ **Field operation Engineer | TCI SANMAR Chemicals SAE, calcium chloride plant, port said, Egypt**

June 2023 – may 2024

- **Monitoring Production Processes:** Overseeing reactors, separators, evaporators, heat exchangers, crystallizers, and fluidized bed dryers to ensure efficient operations.
- **Operating Equipment:** Managing production machinery and ensuring smooth operation.
- **Quality Control:** Sampling and analyzing products to meet quality standards.
- **Troubleshooting:** Identifying and resolving technical issues quickly.
- **Safety Monitoring:** Ensuring compliance with safety protocols.
- **Data Recording:** Keeping records of operations and incidents.
- **Equipment Coordination:** Connecting with mechanical teams for equipment repairs and maintenance.

Certificates

Certified in Health, Safety, and Environment (HSE).

2024-2027

Internships

- Wastewater Treatment Plant MK. Aug 2022
- Taqa company for biofuel Aug 2021

Courses

- Refining diploma | AIChE Oct 2023
(Crude Oil Processing-Gas Processing- Petrochemicals- Fertilizers- Heat Transfer- Pumps, Compressors & Valves- P & ID- Process control- HSE)
- Hazard Identification & Risk Assessment & Control (HIRAC) | Petro Gold Oct 2023
- Natural Gas Vent or Flare| AIChE Sep 2023
- Water Treatment & Its Industrial Application | GSK Sep 2023
- Process safety (Self-Study) June 2022
- Petrochemical Diploma (Online Course) April 2022

Technical skills

- Mass and heat transfer.
- Plant design.
- Safety.
- Reactor Design.
- Hydrocracking.
- Natural Gas Processing.

Soft skills

- Hard work and Teamwork.
- Strong decision maker.
- Researching.
- Leadership

Software skills

- Aspen HYSYS: good.
- Microsoft Office Applications: very good.
- MATLAB: good.

Language skills

- Arabic: Native tongue.
- English: Advanced