

Marawan Khaled Badr Mohamed

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Military Status: Completed

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Professional Summary:

Results-driven Chemical Engineer with proven experience in project execution, process optimization, and operational improvement within heavy industry environments. Certified Six Sigma Black Belt and Green Belt with a solid foundation in Lean methodologies, supported by hands-on internship experience in process optimization at Lafarge Egypt. Skilled in data analysis tools including Power BI and SAP, with a strong ability to identify inefficiencies and implement sustainable improvements. Seeking a Lean Engineer role to drive waste reduction, streamline operations, and deliver measurable performance gains.

Professional Experience:

2024/09 - Present

Projects Engineer

Heidelberg Materials Egypt

Job Responsibilities:

- Currently responsible for managing the full lifecycle of 4 capital and operational projects within a **cement** manufacturing environment.
- Currently responsible for project preparation, technical evaluation, contractor coordination, planning.
- Currently responsible for on-site supervision to ensure projects are executed efficiently, safely, and within approved timelines and budgets.

2024/7 - 2024/09

operations Intern

QHSSE Platform

Job Responsibilities:

- I Was responsible for conducting safety audits supervisions for Alex Bank branches across 8 different governates.
- Giving safety and building evacuation training for +50 employees of Alex Bank.
- Reporting and documentation of every audit and training conducted on company's portal.

2023/01 - 2023/03

Sales Promoter

Nokia

Education

2017/09 - 2022/07

Bachelor's Degree in Chemical Engineering with an overall grade 73% (Good).

Faculty of Engineering, Cairo University,

Graduation project: Municipal solid waste gasification process and plant design with an overall grade (Excellent).

High school graduate with 96.7% overall grade.

Trainings and Internships:

- **July 2022, Process Optimization Intern in Lafarge Egypt**

Monitor and provide enhancement to all key operating variables.

Perform regular research on all processes and design new optimization techniques.

Worked on decreasing the kiln dust losses from the preheater cyclones.

Measured and calculated different measurements from production line.

- **September 2021, One-week safety training in Orascom Construction based on OSHA standard**

Identify workplace hazards and assess risks, applying OSHA standards for comprehensive safety management.

Demonstrate proficiency in selecting, using, and maintaining Personal Protective Equipment (PPE) for various workplace scenarios.

- **July 2019, Pachin Company For paints**

I learned about production process, how to handle final product and the safety precautions in the factory.

Extracurricular Activities:

- 2022, Head of logistics in YQC (Youth Qualifying Center).
- 2021, Head of marketing team in TCCD.
- 2021, regional liaison in Aiche ESC.
- 2020, Head of Logistics team in TCCD (Technical center of career development).

Courses & Certifications:

- Six Sigma: Black Belt
- Six Sigma: Green Belt
- Lean Six Sigma Foundations (LinkedIn Learning)
- Project Management Foundations (Google – Coursera)
- Supply Chain Logistics, Planning & Operations (Rutgers University – Coursera)

Skills:

- Project Planning & Control: MS Project, Primavera P6
- Engineering & Simulation: Aspen Plus, Aspen HYSYS, MATLAB
- Data & Enterprise Systems: SAP, Power BI
- Productivity Tools: Microsoft Office (Excel, Word, PowerPoint, Visio)

Key competences:

- Communication
- Analytical Thinking
- Problem Solving
- Leadership
- Time Management

Languages:

- **English**
Excellent command / highly proficient in both spoken and written English (B2)
- Arabic