

Ahmed Adel Sedik Shehata

Production Engineer | Chemical Engineering

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Date of Birth: 1 Sep 1992 ■ Nationality: Egyptian ■ Marital Status: Single ■ Military Status: Exempted (Officer)

PROFESSIONAL SUMMARY

Results-driven Chemical Production Engineer with 8+ years of combined industry experience in sugar manufacturing, petroleum services, and battery production. Proven track record in optimizing production processes, reducing downtime, and improving operational efficiency. Lean Six Sigma Green Belt certified, with strong expertise in continuous improvement, safety compliance, and cost reduction initiatives.

PROFESSIONAL EXPERIENCE

Production Engineer

AL Sharkiya Sugar Manufacturing Co. (ASSM)

February 2021 – Present

- Supervise and coordinate key production units including Lime Kiln (Eberhardt design), Pulp Dryer (Maguin Promil design), and Beet Reception & Washing (Maguin design).
- Optimized start-up and shutdown operations to enhance plant efficiency and operational stability.
- Contributed to reducing unplanned downtime through effective coordination with maintenance and proactive troubleshooting.
- Monitored daily production performance and implemented corrective actions to minimize process losses.
- Improved coordination between laboratory analysis and process control instruments, supporting better yield and reduced material waste.
- Supported preventive and corrective maintenance planning, helping reduce unexpected equipment failures.
- Ensured full compliance with safety, environmental, and operational standards.
- Prepared and analyzed daily operational reports to support data-driven decision-making.

Process Engineer – Modeling & Simulation

ONSPEC-TAWAKOL Engineering & Contracting (Petroleum Services)

October 2019 – March 2020

- Developed process simulation models for petroleum engineering projects.
- Supported process design, technical analysis, and engineering evaluations.
- Enhanced process understanding through simulation-based insights.

Reserve Officer

Egyptian Armed Forces – Military Service (Corps of Engineers)

April 2017 – October 2019

- Served as a Reserve Officer in the Engineering Corps.
- Awarded Certificate of Appreciation from the Minister of Defense.

Production Engineer

German Company for D.C. Batteries

February 2016 – February 2017

- Managed and monitored the electrochemical charging line for battery manufacturing.
- Maintained production efficiency and ensured consistent product quality.
- Identified and resolved process-related issues to support continuous operation.

EDUCATION

Bachelor of Science — Chemical Engineering

10th of Ramadan Higher Technological Institute

Graduation Year: 2016 | Grade: Good

CERTIFICATIONS

- Lean Six Sigma Green Belt (LSSGB) — ESLSCA Executive Education

SKILLS

Technical Skills

- Process Optimization & Continuous Improvement
- Production Operations Management
- Start-up & Shutdown Operations
- Downtime Reduction & Root Cause Analysis
- Lean Six Sigma (Green Belt)
- Process Simulation & Modeling
- Preventive & Corrective Maintenance
- Laboratory & Process Coordination

Soft Skills & Tools

- Strong Communication & Reporting
- Team Leadership & Collaboration
- Problem Solving & Analytical Thinking
- Attention to Detail
- Health, Safety & Environmental Compliance
- Microsoft Office (Word, Excel, PowerPoint)

SUMMER TRAINING

- North of Sinai Petroleum Company (NOSPCO) — August 2010
- Oil and Soap Company, Zagazig Factory — August 2011
- Zagazig Water Treatment Station — August 2013
- National Company for Corn Production — August 2014

LANGUAGES

Arabic	Native / Mother Tongue
English	Very Good