

Mahmoud Senawy

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Location: Cairo, Egypt | LinkedIn: linkedin.com/in/MahmoudSenawy

Education

Bachelor's Degree in Mechanical Engineering, Zagazig University (2020)

Overall Grade: Good

Graduation Project: Assembly Lines with Pneumatic System (Grade: Excellent)

Professional Experience

Senior Technical Audit & Lean Transformation & Continuous Improvement Engineer

ARMA (Detergents and Soap) | August 2024 – Present

- Supervised utilities and consumable energy compared to production capacity.
- Led strategic continuous improvement projects across all operation levels.
- Developed short-term strategies using Lean Six Sigma and Agile practices.
- Conducted special studies to improve cost management and operational efficiency.
- Monitored consumable parts across factories and validated them on the SAP system.
- Set KPIs based on data analysis and supported quality team during corrective actions.

Senior Lean Transformation & Continuous Improvement Engineer

Methode Electronics | August 2023 – August 2024

- Developed streamlined manufacturing processes, saving €352 per shift.
- Delivered 70+ hours of Lean Manufacturing training to engineers and team leaders.
- Researched new technologies to improve product quality and reduce costs.
- Led problem-solving activities to address quality and productivity issues.

Lean Transformation & Continuous Improvement Engineer

Elsewedy Electric | October 2020 – August 2023

- Acted as a change agent to improve culture and processes.
- Delivered 55+ hours of Lean Manufacturing training.
- Developed SOPs and implemented 5S methodologies with monthly audits.
- Enhanced machine performance through SMED and other techniques.

Quality Control Engineer

Royal Gas | September 2019 – October 2020

- Developed initial control plans for technology areas.
- Trained inspectors on control plan usage and created skill matrices for quality teams.

Key Projects

- Improved productivity by redesigning assembly processes and SOPs (Methode Electronics).
- Reduced downtime through SMED and reorganized tool locations (Methode Electronics).
- Enhanced machine availability by 10% and reduced scrap by 35% (Elsewedy Electric).

Certifications

- Lean Six Sigma Green Belt | Excellence Centre (2022)
- Power BI Fundamentals | DataCamp (2022)
- Data Analysis Challenger Track | Udacity (2022)
- Excel Skills for Business (Intermediate I & II) | Coursera (2022)
- PMP in progress | Excellence Centre (2024)
- RPA in progress | ALX Africa (2025)

Skills

- Data Analytics: Power BI, Minitab, Excel,
- ERP Systems: SAP, Oracle, Microsoft Dynamics NAV, EASE
- Programming: Python, C Programming, SQL
- Lean Manufacturing: Lean Six Sigma, 5S, SMED, DMAIC, Process Improvement, line balancing
- Office Tools: Advanced Excel, Microsoft Office, Google Tools

Languages

- Arabic: Native
- English: Advanced (C1 - Fluent in reading, writing, and speaking)
- German: Intermediate (A2 Level)