

Mahmoud Ali Saad

Lead Mechanical Engineer ■ +966564199254 ■ Mahmoud_ali_saleem@hotmail.com ■ [Linked In](#)

Summary

Experienced Mechanical Engineer with 10 years of proven success in the construction industry, seeking a challenging role as a Project Manager or Construction Manager. Expert at managing all phases of the project lifecycle with a consistent record of delivering projects on time, within scope, and on budget. Known for strong leadership, effective cross-functional coordination, and results-driven project oversight. Certified Project Management Professional (PMP) with hands-on project management expertise and a strategic understanding of project controls. Additionally, a Certified Energy Manager (CEM) with in-depth knowledge of energy efficiency and conservation practices brings added value to sustainability-focused projects.

Qualifications

- **PhD Candidate** in heat exchangers | Mechanical Engineering | Alexandria University **2022 - Present**
CGPA: 3.9 (Excellent)
- **Master of Science** in heat transfer | Mechanical Engineering | Alexandria University. **2016 - 2021**
CGPA: 3.26 (Very good) [Published paper](#)
- **B.S. Degree** in Electro-mechanical Engineering | Alexandria University. **2011 - 2016**
CGPA: 3.42 (Excellent)

Certification

- **PMO Certified Professional Certification from the Project Management Institute.** (SN: 4233529) **Jun 2023**
- **Project Management Professional (PMP) from the Project Management Institute.** (S N:3553593) **Jun 2023**
- **Certified Energy Manager (CEM) from the Association of Energy Engineers.** (SN:99276) **Feb 2023**

Key Skills

- Leadership, Team Building, Decision Making, Communication, Deliverables, and Time Management.
- Familiar with FIDIC contracts and can apply their principles in project execution and contractual letters.
- Expert in project management and preparing the project management plan.
- Expert in preparing necessary plans (procurement, deployment, execution).
- Excellent in technical office work, shop drawing, submittals, and method statements.
- Expert in preparing and assessing claims and variations (VOs).
- Prepare, monitor, and control project budget and cost control reports.
- Develop the method statement for electromechanical activities.
- Proficient in Cost Estimation and Budgeting.
- Very good knowledge of QC, QA, and HSE.
- Excellent command of English and reporting skills.

Work Experience

➤ **Lead Project Engineer | Global Energy (May 2025- Jan 2026)**

- **Project: Infrastructure work of Solana (\$ 35M)** (May 2025- Jan 2026)
- **Responsibilities:**



- Deputy of the project manager and responsible for supervising the technical office and coordination.
- Technical Coordination for all infrastructure works with all engineering disciplines.
- Update and follow E1 and E2 logs to ensure all documents are submitted and approved on time.
- Develop method statements in accordance with the project specification and requirements.
- Lead negotiations with stakeholders to solve conflicts and remove obstacles.
- Review and approve the issued Shop drawing, QS, Material submittals, PRs, and POs.
- Interact with other departments for issuing procurement plan, payment plan, and cash flow.
- Supported claim preparation , EOT analysis and ,issue contractual letters regarding claims.
- Manage changes to the project scope and cost by submitting NOC and issuing VO.
- Prepare and update the risk register and issue log.
- Attend weekly progress meetings and technical meetings.

➤ Senior Mechanical Engineer | CCC/Atrium JV (Sep 2024- May 2025)

- **Project: Four Seasons Hotel (\$ 170M)** (Sep 2024- May 2025)



▪ Responsibilities:

- Responsible for the execution of mechanical works, HVAC, Firefighting, and plumbing.
- Review and recommend modifications to the shop drawing before submission to the consultant.
- Supervise daily mechanical site operations, including workforce and subcontractors.
- Coordinate with the QC department to implement the needed inspections and tests.
- Inspect and check the quality of all supplies before the inspection by QC and the consultant.
- Prepare relevant documents to inspect completed installation activities.
- Manage and supervise the needed tests to complete the commissioning activities.
- Prepare purchasing orders according to the survey, BOQ, and site needs.
- Ensure that all activities are implemented according to safety requirements.
- Develop the daily progress report for mechanical works.

➤ Senior Project Control Engineer | Madkour Projects (Sep 2023- Sep 2024)

- **Project: New Delta 1 (Pumping stations) (\$ 60M)** (Sep 2023- Sep 2024)



▪ Responsibilities:

- Managing a mega project that consists of 37 pumping stations (1.2 m³/s) and lifting station (1.75M m³/day).
- Prepare the cash flow of the project and update it monthly with the participation of the project manager.
- Track project performance by analyzing the successful completion of short and long-term goals.
- Meet budgetary objectives and make adjustments to project constraints based on financial analysis.
- Review the shop drawing and check the quantity of requested matches the needed quantities.
- Ensure that all project supplies are delivered on time, within scope, and within budget.
- Lead negotiations with stakeholders to solve conflicts and remove obstacles.
- Manage changes to the project scope, schedule, and cost .
- Prepare and update the risk register and issue log.
- Coordinate internal resources and vendors for flawless execution.
- Develop a detailed action plan for mitigation any deviation on scope, schedule, and cost.

▪ Achievements:

- Well-managing cash flow results in completing the project without a cash deficit along the project timeline.
- Successfully acquired variation for the contract and EOT.
- Successfully commissioned and operated First millstone 12 pumping stations and signed TOAC.
- Manage critical situations that threaten the project's success with risk management actions.

➤ Electromechanical Engineer | The Arab Contractors (Dec 2019- Sep 2023)



▪ **Projects:**

The New Alamein City towers (MEP).	(Apr 2023 - Sep 2023)
OSIEM WTP.	(Mar 2022- Apr 2023)
Sewage and storm pumping stations in New Alamein City.	(Jan 2021- Mar 2022)
Parliament building in The New Administrative Capital (MEP).	(Dec 2019- Jan 2021)

▪ **Responsibilities:**

- Execute site works in compliance with shop drawings, specs, Method statement, and HSE requirements.
- Manage and coordinate in-house team and subcontractors to ensure efficient site execution.
- Manage inspections, testing, and commissioning activities, including required documentation.
- Prepare, review, and submit method statements and inspection requests for consultant approval.
- Plan equipment usage and lifting activities to support major works and avoid delays.
- Prepare purchase request based on BOQ, QS, and site requirements.
- Prepare daily reports and assign tasks to the site team.

➤ Technical office Engineer | The Arab Contractors (Feb 2017- Dec 2019)

▪ **Projects:**

*ABO TALAT WWTP	*ABO HOMOS WTP	*ABASI Pumping stations
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▪ **Responsibilities:**

- Review design packages to identify discrepancies, clashes, and missing information, and issue (RFIs).
- Perform calculations, and equipment selection for mechanical systems (including pumps, piping, etc.).
- Prepare and submit electrical calculations for voltage drop, lighting, cable sizing, and SLD.
- Develop detailed Mechanical Bills of Quantities (BOQ) for cost-plus contracts projects.
- Prepare and submit Material submittals for consultant review and approval.
- Prepare electromechanical shop drawing for pumping station.
- Prepare QS for approval in accordance with approved shop drawings.

Courses

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| • Firefighting Design | • Technical office | • Risk assessment |
| • HVAC Design | • Cost control | • Quality assurance |
| • FIDIC | • Planning | • Energy Management |

Software Proficiency

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| • MS Office Products | • Civil 3D | • Primavera |
| • AutoCAD | • ORACLE | • Elite fire |
| • ACONIX | • Sewer GEMS | • Water CAD |
| • ACC | • PLC | • ANSYS |

Personal Information

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| • Birth Date | : 4 th , July 1993 |
| • Address | : Al Safa , Jeddah. |
| • Nationality | : Egyptian. |
| • Birth city | : Jeddah. |
| • IQAMA | : 3614569535 |

