

# Modather Alsadig Abdallah | PMP | IOSH | OSHA

## Mechanical Engineer

Mobile: [+966581206621](tel:+966581206621) Email: [Mudatheral-sadig@hotmail.com](mailto:Mudatheral-sadig@hotmail.com)

LinkedIn: <https://www.linkedin.com/in/modather-al-sadig>

Address: Jeddah – Saudi Arabia

### Professional Profile:

Experienced **Mechanical Engineer** with over **7 years** in managing and planning complex **MEP projects**, including **HVAC, plumbing, and firefighting systems** across commercial and industrial sectors. Skilled in **project scheduling, cost estimation, and execution** using **Primavera P6, AutoCAD, and Revit**. Proficient in **WBS development, CPM analysis, and EVM tracking**. Demonstrated ability to **lead cross-functional teams**, manage **resources**, and deliver projects **on time and within budget**. Strong background in **testing, commissioning, and successful handovers**. Known for combining **strategic planning, technical expertise, and stakeholder coordination** to meet **project scope, quality, and schedule objectives**.

### Key Skills:

- **Project Planning & Scheduling:** Primavera P6, (CPM), (WBS), (EVM)
- **MEP Systems:** HVAC, Plumbing, Firefighting Systems
- **Software Proficiency:** AutoCAD, Revit, ELITE Fire Design Software, Microsoft Office Suite
- **Cost Control & Budgeting:** Cost Estimation, Cost Control, Risk Assessment & Mitigation
- **Project Lifecycle Management:** Testing, Commissioning, Handover, Documentation, Reports
- **Collaboration:** Team Collaboration, Leadership, Problem Solving, Decision Making
- **Stakeholder Management:** Communication, Coordination, Time Management, Task Prioritization

### Professional Experience

#### Technical Manager - Mechanical Department

*Dubai Consultant's Company | Jun 2024 - Present*

- **Designed and engineered** mechanical and plumbing systems for **commercial and residential projects**, ensuring compliance with **international codes, standards, and local regulations**.
- Developed **detailed design documentation**, including **layouts, schematics, and technical specifications**, ensuring accuracy and reducing installation errors by **25%**.
- **Coordinated** with **project managers, engineers, and vendors** to ensure seamless integration of **MEP systems**, ensuring on-time delivery and alignment with client requirements.
- **Managed project schedules and resource allocation** using **Primavera P6**, ensuring effective planning and on-time project completion.
- Generated clear **technical reports** and **progress updates** to keep stakeholders informed and maintain project transparency.
- Contributed to overall **project planning**, including **resource forecasting, scheduling, and cost control**, ensuring projects were completed on time and within budget.

#### Mechanical Projects Engineer & Planning Engineer

*Arabian Co. for Protection and Strengthening | Nov 2021 – May 2024*

- Led **end-to-end management** of **mechanical projects** including **HVAC, plumbing, and fire protection systems**, achieving **20% cost savings** and a **30% improvement in delivery efficiency**.
- Created and maintained **project schedules** using **Primavera P6**, applying **Critical Path Method (CPM)** and **baseline planning** techniques to track milestones, deliverables, and dependencies.
- Oversaw **resource allocation, cost control, and progress tracking**, ensuring project execution aligned with approved **budgets, timelines, and quality standards**.
- Chaired weekly **progress and coordination meetings** with clients, consultants, and internal teams, improving **stakeholder communication and project transparency** by 20%.
- Supervised **site execution teams** and monitored **subcontractor performance**, ensuring alignment with **technical drawings, MEP specifications, and regulatory codes**.
- Collaborated with **architects, consultants, and engineering teams** to ensure the seamless integration of **mechanical systems** into the overall **project scope**.

## **Tendering Engineer**

*Arabian Co. for Protection and Strengthening | Nov 2021 – May 2024*

- **Prepared technical and commercial bids** for mechanical tenders, ensuring alignment with **project specifications, cost objectives, safety standards, and client requirements.**
- **Reviewed project specifications, drawings,** and documentation, gathering essential information for bid submissions, ensuring full understanding of project scope.
- **Conducted site assessments** and data collection to support accurate **cost estimation, bid pricing,** and **risk evaluation.**
- Analyzed **tender documents** and **market conditions** to ensure proposals were **competitive, compliant,** and **technically sound.**
- Collaborated with **procurement teams** to secure **competitive pricing** for project components, ensuring cost-effective solutions.
- **Developed and submitted comprehensive bid proposals** in accordance with project **specifications, client requirements,** and **regulatory standards.**

## **Mechanical Engineer**

*Arabian Co. for Protection and Strengthening | Jul 2020 – Nov 2021*

- **Managed** the full lifecycle of **mechanical projects (HVAC, plumbing, fire protection),** ensuring **timely delivery** and **budget adherence.**
- **Defined project scope** and deliverables with (SWCC), aligning with **client expectations.**
- **Led progress meetings** with clients and project teams to track milestones, **identify risks,** and implement **corrective actions.**
- **Supervised subcontractors** and **site teams,** ensuring work complied with **project drawings, safety regulations,** and **quality standards.**
- Oversaw **testing, commissioning,** and **handover,** ensuring **mechanical systems** met **design intent** and client specifications.

## **Site Engineer:**

*Al-Samah Integrated LLC | Nov 2019 – Jul 2020*

- **Supervised** on-site installation of **mechanical systems,** in compliance of **International standards.**
- **Reviewed** and **prepared shop drawings** and **as-built,** coordinating with the **design team.**
- **Managed** daily **site operations,** including **material handling, manpower supervision,** and **work sequencing.**
- **Performed inspections** to ensure **safety** and **quality compliance;** addressed and resolved **technical issues** on-site.
- **Prepared** and submitted detailed **progress reports (daily, weekly, and monthly)** to stakeholders.
- Maintained active **communication** with **clients** and **consultants** to ensure alignment with project goals and specifications.

## **Education:**

**Bachelor of Science in Mechanical Engineering** - Sudan University of science and technology | 2018

## **Certifications & Licenses:**

- **SCE Saudi Council of Engineers - Mechanical Engineer**
- **Primavera P6 – Advanced Project Management** – Study Online Academy
- **Mechanical Engineering Certification (HVAC/Plumbing/Fire)** – COURSLA
- **Project Management Professional PMP® - Project Management Institute (PMI)**
- **OSHA General Industry Safety and Health - OSHAcademy**
- **MANAGING SAFELY V 5.0 - (IOSH)**
- **English Language for Communication - (Level 4 - Advanced) Cambridge College London**
- **Advanced Computer Applications (ICDL) - Sudacad - Sudatel Academy**

## **Languages:**

- Arabic - **Mother tongue**
- English - **Advanced**