

Maged Mazrou, PMP®

Project Engineer | Steel Structures & Project Control Engineer

Riyadh, Saudi Arabia

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PROFESSIONAL PROFILE

PMP® certified Project Engineer with 5+ years of experience in delivering multi-million SAR steel structure projects in Saudi Arabia. Expert in Tekla, Revit, and Primavera P6, with a proven track record in full project lifecycle management for elite clients like AMAALA. Seeking a challenging new role to apply my expertise in project control and construction management.

CORE COMPETENCIES

- Project & Construction Management: Project Planning & Scheduling (Primavera P6), Cost Estimation & Control, Risk Management, Resource Allocation, Progress Monitoring & Reporting, RFI/CVI Management, Client Liaison.
- Steel Structures & BIM Expertise: Advanced 3D Modeling (Tekla Structures, Revit), Clash Detection & Resolution, Connection Design, Shop Drawing & Material Submittal Review, As-Built Documentation, BIM Coordination.
- Engineering Design & Analysis: Structural Detailing, Design Review, Structural Analysis (SAP2000), AutoCAD 2D.
- Software Proficiency: Primavera P6, Tekla Structures, Revit, SAP2000, AutoCAD, Microsoft Office Suite.
- Soft Skills: Leadership, Strategic Communication, Negotiation, Problem-Solving, Team Management, Adaptability.

EDUCATION

Tanta University, Egypt
BSc in civil engineering – 2015/2020 (Very Good)
Steel structure project (distinction)

PROFESSIONAL EXPERIENCE

SARAFAND Contracting Co. | Al Khobar, Saudi Arabia

Title: Technical Construction Engineer-Project Engineer | August 2023 – Present

Project: Red Sea Marine Life Institute (RSMLI) (Project Value: 60 million SAR)

Client: AMAALA (Red Sea Global) | **Consultant:** ATKINS

Key Responsibilities & Achievements:

- **Spearheaded** the end-to-end management of a high-profile 60 million SAR project, ensuring strict compliance with international building codes, safety regulations, and Atkins consultancy specifications.
- **Directed** all on-site and off-site construction activities, successfully maintaining project alignment with design intent and client objectives.
- **Leveraged Primavera P6** to develop comprehensive project schedules, resource histograms, and critical path analyses, enabling accurate progress tracking and timely delivery.
- **Implemented** robust risk management strategies by proactively identifying potential issues in daily operations, leading to a significant reduction in unforeseen delays and cost overruns.
- **Served** as the primary technical authority, resolving complex construction challenges and providing decisive guidance to the project team, which enhanced overall productivity.
- **Fostered** strong client relationships by preparing and presenting detailed progress reports utilizing Tekla models, effectively addressing concerns from AMAALA/Red Sea Global stakeholders.
- **Streamlined** the query resolution process by efficiently preparing and managing RFIs and CVIs, ensuring clarity and prompt responses from all parties.

FAMSUN (Muyang Holdings) | Ain Sokhna, Egypt Senior Steel Structure Engineer | January 2022 – June 2023

Projects:

Industrials Projects PEB, Silos, Warehouses, and Workshops cross Middle East and Africa (Yemen, Egypt, Saudi Arabia, Kenya, and Algeria)

Key Responsibilities & Achievements:

- **Pioneered** the development of intricate 3D models using Tekla Structures, effectively identifying and resolving complex hard and soft clashes within the BIM environment, which preempted costly on-site rework.
- **Orchestrated** the BIM coordination process, facilitating seamless collaboration between architectural, structural, and MEP disciplines.
- **Generated** accurate and detailed technical documentation, including Material Take-Off (MTO), Bill of Quantities (BOQ), Bill of Materials (BOM), and CNC data files, directly supporting efficient fabrication and procurement.
- **Exercised** stringent quality control by reviewing and approving all manufacturer shop drawings, connection design calculations, and material specifications, ensuring structural integrity and design compliance.
- **Conducted** regular site inspections to verify construction progress against models, promptly addressing any structural discrepancies and ensuring adherence to project milestones.

AIC COMPANY | Cairo, Egypt

Junior Detailing Engineer | September 2020 – December 2021

Projects:

1. **Riyadh Metro project in Saudi Arabia-LINE 4 (As-Built Drawings (LOD 500))**
2. **Pueblo Viejo Mine Expansion Project in Dominican Republic (North America)** from LOD 100 - Concept Design to LOD 400 - Fabrication & Assembly.

Key Responsibilities & Achievements:

- Expertly transformed structural design drawings into precise fabrication and general arrangement (GA) drawings using Tekla Structures, optimizing them for factory production and site erection processes.
- Played a key role in supporting the fabrication team by generating accurate material cut lists, detailed reports, and CNC machine data, enhancing manufacturing efficiency and minimizing material waste.
- Acted as a vital communication link, effectively coordinating between clients, consultants, fabricators, and site erection teams to ensure project alignment and resolve technical queries.

SPECIAL SKILLS & LANGUAGES

Language Skills

- Arabic (mother tongue).
- Good at English.

Computer Skills

- Engineering programs like TEKLA structures and Revit Structures, sap2020 and Primavera P6.
- AutoCAD 2D
- Microsoft office

Soft Skills

- Presentation and communication skills
- Team building, leadership, and good planning abilities
- Ability to work under pressure and work in a group or individual

TRAINING, EXTENSIVE STUDIES & CO-OP

- Project Management Professional (PMP)® – Project Management Institute (PMI)
- CLAC 030(Contract & Legal Aspects in the Construction Industry – Specific Contracts, Interpretive Case Oriented Approach.
- Certified Cost Professional (CCP) – Seeds Wise (Training)
- Revit Structure Course – Niqat Global
- Advanced Steel Structure Design Course (AISC, IBC, IEBC Codes) – Dr. Eliya Henin
- Construction Management: Planning, Estimating, and Project Controls – LinkedIn Learning

Personal Information

Date of Birth: 24 June 1997
Citizenship: Egyptian
IQAMA Status: Transferable
Saudi Driving License: Valid

References

References available upon request.