

# Mohammed Attafi – Civil Engineer

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## Professional Summary

Civil Engineer with 1+ year of hands-on experience delivering Saudi mega-projects (total **value 1.1+ billion SAR**) in site execution and procurement roles. Proven track record in meeting strict schedules and quality standards, with a strong focus on QA/QC and regulatory compliance. Achieved **20–30%** material cost savings through strategic vendor negotiations and value engineering. Recognized for lean resource management, fast-track execution, and effective leadership in high-pressure environments.

## Key Skills

**Technical Skills:** AutoCAD 2D/3D drafting & detailing; structural analysis (ETABS, SAFE, SAP2000); quantity take-off & BOQ estimation; data analytics (Power BI, advanced Excel); AI & ML tools in construction (developed Engineer Bot)

**Managerial Skills:** Site supervision & structural inspection; QA/QC and HSE compliance; resource planning & team mobilization (teams up to 400); procurement, tendering & contract negotiation (achieved 20–30% cost saving); stakeholder coordination, progress reporting; lean construction practices & schedule control

## Experience

**Site Civil Engineer – East Delta Saudi Co. Ltd (EDSCO), Riyadh, Saudi Arabia (Jul 2024 – Present)**

- Delivered two 9-storey towers (Tahakom HQ, ~SAR 200M) in just 9 months, meeting all project milestones by proactively managing daily civil and MEP works.
- Completed 1,500+ m<sup>2</sup> of MEP installations and finishes in 5 days (**50%** faster than the baseline schedule) by optimizing manpower allocation and workflow sequences.
- Mobilized 30+ painters to finish 6 floors of painting in 4 hours, fulfilling a last-minute client request for expedited delivery.
- Ensured **QA/QC** compliance and smooth handovers by coordinating daily with subcontractors and consultants; led on-site structural.
- Minimized downtime and rework through lean construction practices and continuous on-site supervision, keeping the project on schedule and reducing errors.

## **Procurement & Tendering Engineer – FEMCO (Al-Khobar), Saudi Arabia (Jan 2024 – Jul 2024)**

- Performed quantity take-offs for 90%+ of civil and architectural works on Diriyah Gate (SAR 650M) and SWCS Jubail (SAR 250M), ensuring accurate BOQs for competitive bidding.
- Achieved **20–30%** cost savings on over SAR 50M of material procurements through strategic vendor negotiations and value engineering.
- Prepared and issued comprehensive RFQ packages and tender documentation.
- Ensured on-time project execution by aligning material deliveries with the construction schedule through close coordination with site teams, preventing any supply delays.

## **Projects**

- **Tahakom HQ (Riyadh – SAR 200M)**
- **Diriyah Gate Development (Riyadh – SAR 650M)**
- **Sea Water Cooling System Upgrade (Jubail – SAR 250M)**

## **Innovations**

- **Engineer Bot:** AI chatbot ensuring code compliance (SBC, ASCE), enhancing work quality and execution accuracy.
- **Contract Bot:** Created an automated contract analysis tool to identify compliance issues and risk clauses in contracts, improving contract review efficiency.
- **Instant Reporting Dashboards:** Built a real-time reporting system integrated with Excel/Power BI to track daily site progress, resource usage, and material flow, providing management with accurate visual updates for decision-making.

## **Education**

- **B.Sc. in Civil Engineering,** Jubail Industrial College – Saudi Arabia, 2024 (APET accredited program)

## **Certifications**

- **Construction Project Management Certificate** – Columbia University (via Coursera)
- **Leadership & Management Certificate** – eLearning College
- **Saudi Council of Engineers (SCE)** – Registered Civil Engineer
- **American Society of Civil Engineers (ASCE)** – Active Member

## **Languages**

- **Arabic:** Native proficiency
- **English:** Fluent proficiency