

RAAFAT KADRY MAHMOUD AHMED

Senior Civil Engineer | 12+ Years of Experience in Mega Infrastructure Projects **PMP®**,
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PROFESSIONAL SUMMARY

Senior Infrastructure Engineer with 12+ years of experience in infrastructure, metro, and urban development projects across Saudi Arabia. Proven record in infrastructure delivery, construction supervision, and project leadership for major urban programs. Skilled in infrastructure program management, stakeholder engagement, risk mitigation, QA/QC, and HSE compliance, ensuring quality and timely execution of complex multidisciplinary projects.

KEY SKILLS

Project Execution & Supervision & Delivery Management • Infrastructure & Transportation Projects • Stormwater & Sewer Networks • Roadworks & Intersections • Urban Development & Utility Coordination and Relocation • QA/QC & HSE & Specification Compliance • Project Closing and Handover • Risk & Resource Planning (PMP®, RMP®) • Stakeholder Coordination • Technical Documentation • Procurement & Cost Control • Leadership & Team Management • Project Leadership • Infrastructure Delivery • Construction Supervision • Stakeholder Engagement • Risk Mitigation • Infrastructure Management •

PROFESSIONAL EXPERIENCE

WEBUILD S.P.A (Italian Contractor) – Riyadh, Saudi Arabia

Senior Civil Engineer | July 2023 – Present (2.5 years)

PROJECT 1: Riyadh Metro Line 3 (ANM – ArRiyadh New Mobility Consortium)

Client: Royal Commission for Riyadh City (RCRC) | Consultant: Riyadh Metro Transit Consultants (RMTC) | Duration: Jul 2023 – Present

- Supervise infrastructure works for 4.5 km of urban road corridors including stormwater, sewer, potable water, irrigation systems, Electrical, ITS, Five intersection development, traffic detours, utility relocation at Salah Uddin Road, Saad Bin Abdulrahman Road, and Zaid Bin Khattab Road including reinstatement works.
- Manage Storm Line construction of RC pipes, box culverts, catch basins, and manholes installation under existing roads.
- Coordinate utilities protection, relocation, and connection with local authorities.
- Review design and Shop drawings, technical specifications, method statements, ITPs, RFIs, MR, and material submittals for compliance and constructability.
- Plan and develop all phases of the construction life cycle from initiation to completion.

- Maintain stakeholder communication to minimize disruptions in urban areas.
- Follow up project closing documents like IR, Snags files, NCR, etc.
- Reporting project updates, milestones, and potential risks to the project manager and key stakeholders.
- Lead multidisciplinary teams and ensure effective collaboration to achieve project objectives.
- Providing technical guidance and expertise to resolve construction-related challenges.
- Identifying potential risks and implementing preventive measures to minimize project delays, cost overruns, and safety hazards.
- Enforce strict compliance with project HSE standards, local authority safety regulations, and environmental protection measures.
- Allocate tasks efficiently and ensure workforce productivity and discipline.
- Develop detailed construction programs and resource plans for multiple infrastructure packages (roads, drainage, utilities, etc.) and prepare recovery plan and resource adjustment if needed.
- Managing multidisciplinary site team and resource allocation for manpower, equipment, and materials.
- Effective collaboration with clients, consultants, subcontractors, and authorities.
- Quantity Survey for all project items and prepare Material request and follow with suppliers.
- Ensure HSE implementation, QA/QC documentation, and maintain progress tracking.
- Oversee subcontractor activities, productivity, and quality performance.
- Prepare daily, weekly, and monthly progress reports for management and client review.

Key Achievements:

- Delivered complex multi-utility corridors with zero disruption to operational metro systems.
- Enhanced coordination with consultants and stakeholders, accelerating approval cycles.
- Recognized for proactive issue resolution and quality documentation compliance.

YUKSEL INSAAT A.S (Turkish Contractor) – Riyadh, Saudi Arabia

Senior Infrastructure Engineer | June 2015 – July 2023 (8 years)

PROJECT 2: Al Rimal District Storm Drainage Network (\$120M)

Client: Riyadh Municipality (Amana) | Consultant: Dar Al-Handasah | Duration: Jun 2021 – Jun 2022

- Executed 3 km storm drainage double-cell box culvert and thrust boring under existing roads.
- Installation of manholes, catch basins, and inspection chambers.
- Connection to existing drainage infrastructure and outfall structures.
- Road reinstatement, landscaping, utility relocation, and coordination.
- Testing, commissioning, and final handover.

PROJECT 3: Al-Malqa & Hittin District Storm Drainage Network (\$100M)

Client: Riyadh Municipality (Amana) | Consultant: Dar Al-Handasah | Duration: Jun 2022 – Jul 2023

- Construction of stormwater RC pipelines (300mm to 2200mm) variable diameter.
- Installation of manholes, catch basins, and inspection chambers.
- Installation of 1200 Catch Basins for Five Districts in Riyadh city.
- Connection to existing drainage infrastructure and outfall structures.
- Road reinstatement, landscaping, utility relocation, and coordination.
- Testing, commissioning, and final handover.

PROJECT 4: Riyadh Bus Project – Phase 3 (\$600M)

Client: Royal Commission for Riyadh City (RCRC) | Consultant: Dar Al-Handasah | Duration: Apr 2017 – Jun 2021

- Construction of 17 bus stations, 1250 bus stops, and 7 pedestrian bridges.
- Urban development for three main roads: King Abdul Aziz, Khalid Bin Waleed, and Imam Shafi Roads.
- Construction of bus corridors and dedicated lanes.
- Installation of bus stop shelters, passenger information systems, and signage.
- Stormwater drainage, utility relocation, and street lighting works.
- Construction of pedestrian crossings, sidewalks, and accessibility features.
- Coordination and integration with other phases and transport modes (metro lines, park-and-ride facilities, etc.).
- Testing, commissioning, and handover to the operational authority

PROJECT 5: P&C Seawater Pump Station – Ras Al Khair Industrial City (\$115M)

Client: Royal Commission for Jubail & Yanbu | Consultant: Bechtel | Duration: Jun 2015 – Apr 2017

- Construction of pump station building, control room, and electrical substation.
- Construction and finishing of five industrial buildings.
- Laying of large-diameter pipelines for seawater transmission and distribution.
- Road works, landscape works, storm system drainage, road marking, and signages.

Key Responsibilities (Yuksel Projects):

- Directed civil construction activities including storm drainage, box culverts, urban development, road works, sidewalks, and infrastructure networks.
- Managed site works, material inspections, ITPs, and QA/QC compliance.
- Oversaw subcontractor performance, schedule adherence, and progress billing.
- Coordinated with consultants and authorities for design approvals and inspections.
- Implemented HSE procedures and risk assessments.
- Prepared project reports, documentation, and managed project closeout and handover.
- Quantity Survey for all project items and prepare material requests and follow-up with suppliers.
- Review design and shop drawings, technical specifications, method statements, ITPs, RFIs,

MR, and material submittals.

- Plan and develop all phases of the construction life cycle from initiation to completion.

ARABIAN CONSTRUCTION COMPANY (ACC) – Cairo & North Coast, Egypt

Civil Site Engineer | June 2013 – June 2015

PROJECT 6: Uptown Cairo Development (\$60M)

Client: Emaar Misr | Consultant: Khateeb & Alami / ASA Consulting Group | Duration: Jun 2013 – Jun 2015

- Supervised structural, finishing, road, and landscape works for 9 residential buildings, roads, and utilities.
- Ensured compliance with Emaar quality and safety standards during execution and handover.

EDUCATION & CERTIFICATIONS

Bachelor of Civil Engineering | Assiut University, Egypt | 2013

Project Management Professional (PMP®) – Valid till 2029

Risk Management Professional (RMP®) – Valid till 2029

Saudi Council of Engineers (SCE) – Professional Classification

TECHNICAL & SOFTWARE SKILLS

AutoCAD | Microsoft Office | Primavera P6 | Adobe Acrobat | Quantity Surveying | QA/QC Documentation | Technical Reporting | Risk & Cost Analysis

PROFESSIONAL & INTERPERSONAL SKILLS

- Strong leadership, coordination, and communication across multidisciplinary project teams.
- Skilled in resolving technical issues and maintaining productivity under tight deadlines.
- Dedicated to safety, quality, and achieving project objectives within scope and schedule.

REFERENCES

Mr. Ahmed Hegazy – Section Head, Metro Line 3, Webuild | +966545171951 | ahmed.hegazy@cwg-metro.com

Mr. Mohammed Badea – Construction Manager, Webuild | +966561517331 | mohamed.badea@cwg-metro.com

Mr. Abdul Rahman – Site Manager, Dar Al Handasah | +966581033311