



Dr. WALEED MAHFOUZ
Project Controls Director

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Professional Qualifications

- **PhD** - Philosophy of Doctorate, 2014
- **MSc** - Master of Science, 2005
- **BSc**- Bachelor’s Degree with Honor, 2000
- **PMP**, 2011
- **PMO-CP**, 2018

Core Competencies

- **Project Management**
- **Construction Management**
- **Financial Management**
- **Claims Management**
- **Change Management**
- **Risk Management**

KEY EXPERIENCE AND BACKGROUND

Waleed has 21 years’ experience and worked with consultancy, contracting and projects management firms in Egypt, Kuwait, and Kingdom of Saudi Arabia.

He is a competent Project Director and has knowledge and skills in program management, project management, controls, planning, scheduling, contracts administration, construction, and infrastructure design works for highways, transportation and infrastructure.

Waleed’s experience in the major highway infrastructure and buildings sectors encompasses all aspects of project management, estimating, scheduling and planning with a strong focus on risk management and maximizing the efficient use of available resources through prioritization, coordination and scheduling of infrastructure design, construction, operation, maintenance and project activities.

He possesses detailed knowledge and understanding of management of infrastructure design and construction, planning, monitoring construction progress, submitting construction progress reports to the Client. He can read and interpret complex contract documents and prepare complex budgets for Infrastructure, civil and buildings construction projects

Education

(PhD) Philosophy of Doctorate in Construction Engineering and Management - Cairo University, Egypt	2014
(MSc) Master of Science in Structural Engineering Earth Structures & Soil-Structure Interaction - Cairo University, Egypt	2005
(BSc) Bachelor’s Degree with Honor in Civil Engineering - Zagazig University, Egypt	2000

Professional Accreditation

Mustadam-AP , Mustadam Accredited Professional – Saudi Real Estate Institute	2020
PMO-Certified Practitioner - PMO-Value Ring - PMO Global Alliance, USA	2018
Project Management Professional (PMP)® , PMI, USA	2011
Portfolio Management, Governance, & the PMO - Portfolio Management, Governance, & the PMO Online Course - UW-University of Washington, USA	2018
Leading Safely Certificate - Leading Safely Training Course - Institution of Occupational Safety and Health (IOSH), United Kingdom	2017
Certified Negotiation Associate - Negotiation Associate - NGstudy, USA	2016
Scrum Fundamental Certified Credential (SFC) - Scrum Fundamental - SCRUMstudy, USA	2016

Six Sigma Yellow Belt - Six Sigma Yellow Belt - 6sigmanstudy, USA 2016

Professional Memberships

Member of Chartered Institution of Highways & Transportation, UK, MCHIT, P000088848 2019
Graduate member of Institution of Civil Engineers, UK, GMICE, 91068450 2018
Active member (PMO GLOBAL ALLIANCE, USA), Certified Practitioner, 3825199 2018
Consultant member #205488 (Saudi Council of Engineers, Saudi Arabia) 2014
Project Management Professional (PMP) - Active member # 1642575 (The Project Management Institute, USA) 2010
Professional member # 20085 (Kuwaiti Society of Engineers, Kuwait) 2006
Active member (The Egyptian Management Engineering Society, Egypt) 2002
Active member (The Egyptian Syndicate of Engineers, Egypt) 2000

CAREER SUMMARY

2013 - to date: WSP Middle East Ltd– Senior Programme Planner, Senior Project Manager, Senior Logistics Manager – Senior Stakeholder Manager – Project Director

Project Title: Diriyah Design Framework Project

Project Title: Wadi Safar PMC Infrastructure

Location : Kingdom of Saudi Arabia - Riyadh

Client : Diriyah Gate Development Authority (DGDA), KSA

- The Diriyah Gate development will be a mixed-use project over an area of approximately seven sq. km, with history and cultural assets at its core, which will be enriched by entertainment, shopping, education, and residential elements. The project is a key priority for the Kingdom's leadership and is part of the building of a legacy for future generations. It will become a destination for residents and international visitors alike.
- Wadi Safar is a VIP exclusive residential community over an area of 64 sq. km to the west of Diriyah Gate. The infrastructure works includes the construction of roadways, utility services and public realm, to deliver a complete infrastructure to development plots.

Project Title: King Abdullah Civic Center

Location : Kingdom of Saudi Arabia - Riyadh

Client : KPMG Company, KSA

The main objective of the projects is to ensure that the infrastructure design is feasible, buildable, maintains standards of quality and performance, without any overdesign.

Project Title: Engineering Designs Studies Project for 2nd Southern Road in Riyadh City

Location : Kingdom of Saudi Arabia - Riyadh

Client : Ministry of Municipal and Rural Affairs (MOMRA), Riyadh Municipality (Riyadh Amana), Saudi Arabia

The Scope of Work (SoW) covered the infrastructure design of various highways, transportation studies and utilities disciplines. The Projects included the design of 43 kms of dual highway forming a section of Riyadh's 2nd Ring Road with 15 major interchanges; the services included all road design, bridges, topographic survey, street lighting, stormwater drainage, and traffic, geological, hydraulic and soil borings studies. The Project deliverables included submissions of concept design, preliminary design, detail design and tender documents (Drawings, Specifications & BOQ).

Project Title: The Master Planning and Infrastructure Design of a Proposed Development at Wadi Al-Asla

Location : Kingdom of Saudi Arabia – Jeddah & Makkah

Client : Jeddah Development & Urban Regeneration Co. (JDURC)

Wadi Al-Asla Project comprises an integral component of Jeddah's on-going development strategy, focused on delivering sustainable development in Jeddah. The site presents a unique development opportunity capable of meeting a significant part of Jeddah's open space and leisure needs, as well as furthering the social, economic, and

environmental diversity of the city. The project is located 25km east of Jeddah City and occupies approximately 120km².

The infrastructure works included the construction of highways, roadways, infrastructure (dry & wet utilities), public realm, street scape, soft and hard landscape, to deliver a complete infrastructure to the development plots. The SOW included concept design, schematic design, detailed design, and tender documents (Drawings, Specifications & BOQ).

Project Title: Stormwater Drainage Program in Riyadh City

Location : Kingdom of Saudi Arabia, Riyadh
Client : Ministry of Municipal and Rural Affairs (MOMRA), Riyadh Municipality (Riyadh Amana), Saudi Arabia

The Stormwater Drainage Program included the following three distinct projects.

- The first project included the Study & Assessment of the structural conditions of the exiting storm water drainage channels, box culverts and pipes (300 km). The scope of work includes survey work, geotechnical boreholes, concrete testing, CCTV survey, structural assessment/design, repair methodologies, hydrology/hydraulic assessment and design and tender documents (Drawings, Specifications & BOQ) plus unifying and generalizing the exiting construction and O&M specifications and BOQs.
- The second/third projects included the study & design 1000 km of storm water drainage network and 200km of water streams/watercourses (Wadis) in Riyadh City. The SOW included stormwater networks master plans, survey work, geotechnical boreholes, preliminary design, detail design and tender documents (Drawings, Specifications & BOQ).

The main objective of these three projects was to study and ensure the safety of the stormwater networks and suitability to increase the network's capacity and lifetime, enhancing functional performance and increasing efficiency.

Project Title: Umm Al-Aish New LPG Filling Plant

Location : Kuwait
Client : Kuwait Oil Tanker Company (KOTC), Kuwait

A world pioneering project that implements the Flex speed and RFID technologies will enhance safety and environment protection through the design, construction and maintenance of a sewage treatment plant utilizing treated wastewater for irrigation, flare stack to prevent gas discharge to atmosphere, firefighting monitors, Oil separator to prevent water contamination, and others. The LPG filling plant in Um AL Aish will create future job opportunities for Kuwaitis and increase existing production capacity levels to the local market by 138%.

During his term of employment, Waleed was responsible for:

- Developing the construction logistics planning and traffic management for the construction phases of the project.
- Defining the overall facilities and services to enable construction activities to progress efficiently and safely, with minimum impact on the surrounding environment.
- Outlining the administrative processes that will be employed to operate the provisions successfully and to guide management of logistics within the Project.
- Ensuring infrastructure design was fully integrated with construction stages/phases and construction safety across different packages to plan and execute simultaneous complex activities and share facilities.
- Managing the transport team with regards to the preparation of traffic impact studies, corridor, and intersection improvement studies.
- Effectively managing the requirements of the Client, multiple stakeholders, and the projects' participants, building, and maintaining healthy relations with them, throughout the project.
- Coordinating with other design specializations (e.g., Master Planning, infrastructure, and Landscape) to coordinate design requirements across disciplines throughout all design stages (conceptual, schematic, detailed).

- Updating Risks, Assumptions, Issues and Dependencies to ensure that Risk Registers are maintained for all projects and mitigation plans are considered during both the design and construction of projects.
- Working closely on a day-to-day basis with the Planners and Design team of the Construction Contractor to monitor the Contractor's Schedules to maintain overall package objectives.
- Leading discussions with the Clients to determine criteria guiding infrastructure design, including budgets, preferences, etc.
- Developing project management plans, including schedule baselines, project scope baselines, resource requirements, man-hour estimates, quality plans, budgets, stakeholders' engagement, and risks.
- Leading internal and external project kick-off meetings and ensuring stakeholders requirements were clearly understood.
- Working closely with all disciplines leads of diverse transportation and infrastructure design specializations (e.g. Transportation, Utilities, Landscape, Bridges & Tunnels, Mechanical, Electrical) for the review and validation of design deliverables and ensuring coordination between them was maintained.
- Monitoring the infrastructure design team's performance and compliance including adherence to project's management plans, standards codes, design coordination activities, and securing appropriate approvals from the Clients and local regulatory authorities.
- Ensures compliance of design with all applicable codes, regulations and company procedures and standards
- Overseeing the conduct of design reviews, leading regular design coordination meetings and Value Engineering Workshops.
- Promoting technical excellence on the project, including adherence of the Quality Improvement Process and promoting best practice digital engineering design workflow processes.
- Preparing accurate project estimates. Monitoring and control of all cost aspects of the project to forecast costs, obtaining approvals, identifying trends, and acting to avoid cost overruns and taking advantage of opportunities. Assessing performance of cost control system & personnel.
- Developing and implementing corrective actions needed to rectify potential cost overruns or delays, or to accommodate significant changes to the scope of work.
- Proactively resolving performance, scope, cost, and schedule issues with the Client as they arose.
- Ensuring compliance with requirements of the contract and applying effective change control process.
- Managing and monitoring project performance on an ongoing basis to identify issues and opportunities early and take the prompt and appropriate pre-emptive actions.
- Managing the planning for all scope elements of the project and developing resource and financial requirements from the project plan.
- Providing clear and focused leadership to the project team, defining their roles and responsibilities, focusing the team on achievement of milestones and other key project objectives. Listening to the team, discussing issues, resolving problems, and directing activities to remove roadblocks and achieving objectives. Providing mentoring and participating in staff performance evaluations. Also identifying and implementing training requirements.
- Assessing the safety and integrity of all structural elements in accordance with statutory standards and industry norms that including providing recommendations on cost optimization, while conforming to requirements for quality, reliability, and safety.
- Ensure design sustainability through using cost effective and environmentally friendly solutions considering natural resources as part of design
- Interface with relevant authorities and use sound engineering judgment and creativity to solve drainage and permitting issues to obtain necessary approvals and No Objection Certificates (NOC's).
- Preparing and delivering Management Level Project Progress Update Presentation and executive Reports.
- Developing and implementing Programs Scheduling systems, standards, progress measurement and reporting.

- Developing and maintaining Master Programme and maintaining WBS, activity, coding, and resource libraries.
- Coordinating, evaluating, and prioritizing the project plans in accordance with KOTC requirements and specifications.
- Reviewing Contractor Project Method Statements, Master Plan and Detailed Construction Schedules.
- Developing and Updating Project's Key Performance Indicators (KPIs) for main and sub-contractors to Reporting and Monitoring Project Progress through Scheduling, Resourcing, and Financial Reporting.
- Undertaking independent site visits to evaluate the contractor's site progress against his programme.
- Reviewing Contractor and Subcontractor submissions and procurement logs to identify the potential impact of long lead-in items and engineering activities to secure the prompt delivery of all resources and procurements to Site.
- Revising and applying Contractual Conditions Related to Time and Scheduling in liaison with Project Conditions and FIDIC 1999.
- Reporting Contractors' Productivity Rates, Forecast Potential Delays, and alert and direct contractors to avert delay.
- Analyzing and Evaluating of actual project costs against budgeted cost and forecast Time & Cost Implications of Variation any Order.

2010 - 2013: Pan Arab Consulting Engineers – Acting Resident Engineer and Senior Planning and Controls Engineer

Project Title: Construction Supervision of Subiya Highway Package III

Project Title: Construction and Supervision of The Avenues Phase III Project

Location : Kuwait

Client : Ministry of Public Works (MPW), Kuwait

Client : Mabanee Real Estate Company, Kuwait

Waleed was responsible for undertaking all the planning and scheduling tasks for all relevant works as defined by the Client throughout the contract period. His main areas of responsibility included:

- Developing and maintaining project execution plans, Site Supervision Plans (SSP), logistic plans, health, safety, and environment plans with processes and procedures.
- Developing Quality Management System (QMS) including detailed procedures and standard forms for construction verification of 'Design-Bid-Build' highway infrastructure project
- Providing leadership in evaluating, selecting, and adopting suitable construction supervision techniques, quality management plans, quality control procedures, continuous improvement measures and inputs for the KPIs Consultant's Role.
- Leading the team of engineers, specialists, and inspectors; ensuring a safety and quality culture within project execution and inspection while promoting a team effort approach in dealings with the Contractor
- Leading and supporting the supervision team in technical and managerial matters to ensure optimal working of construction personnel, compliance to all plans and specifications and the development of a realistic baseline schedule and project programme and monitoring progress of the works at site and reporting variances.
- Monitoring and ensuring that all project's stakeholders meet and fulfill project goals, design specifications and contractual obligations – such as construction management activities and methodology, budget, schedule requirements, field operations, quality assurance/control and safety
- Reviewing, Monitoring and Controlling Contractors' Schedules, Schedule Forecasting, Reporting Progress Status, Recommending Suitable Actions to Obviate any Potential Delays or Forecasted Cost Overruns, Manpower and Equipment Resources Planning, Monitoring and Controlling, Delay Analysis and Claim Assessment.

- Reviewing Contractor's Project Method Statement, Master Plan, Detailed Construction Schedule, and Recourse & Cost Loaded Schedules including (Civil, Architectural, Conveying, Plumbing, Fire Protecting and Electrical Works).
- Revising and applying Contractual Conditions Related to Time and Scheduling in liaison with Project Conditions and FIDIC 1999.
- Reporting Contractors' Productivity Rates, Forecast Potential Delays, and alert and direct contractors to avert delay.
- Analyzing and Evaluating of actual project costs against budgeted cost and forecast Time & Cost Implications of Variation any Order.
- Reviewing and Monitoring the Contractor's Program Updates and Related Work Progress Reporting.
- Preparing and delivering Management Level Project Progress Update Presentation and executive Reports.
- Developing and Updating Project Performance Metrics (KPIs) for all construction Packages to Report and Monitor Project Progress through Scheduling, Resource, and Financial Information.
- Providing support to the team in understanding risks and opportunities of potential change orders through the process of the project.
- Identifying managing the project risks and opportunities. Monitoring closure of all identified risks and opportunities.

2006 - 2010: Sadeem Al- Kuwait Contracting Co. – Senior Planning and Project Controls Engineer

Project Title: *Eight Separate Projects including Porsche showroom Extension Project*

Project Title: *Porsche showroom Extension Project*

Project Title: *Seven Zones Showroom Project*

Project Title: *Kuwait Financing House Bank Project*

Project Title: *Jabria Medical Center (A multi-story building consists of 23 floors).*

Project Title: *Al Jabria Residential Complex (Three super deluxe residential buildings).*

Project Title: *Rafco Office Tower (A high rise building consists of 37 floors).*

Project Title: *Al-Hayat showroom*

Project Title: *Villa Dr. Hilal Al-Sayer, As a Project Manager*

Project Title: *Al-Ahli Bank of Kuwait (Total Value of 5 USD)*

Project Title: *Main Stores for Kuwait Supply Co.*

Project Title: *Mr. Fawaz Mubarak Al-Hassawi Mansion*

Location : Kuwait

Client : Numerous Clients

Waleed was responsible for undertaking all the Planning and Scheduling tasks, Major Projects' control and management tasks as defined by the Client throughout the contract period including master and detailed planning, quantity surveying, contract administration, and multi-discipline technical engineering office planning, review and coordination. Management reporting and KPIs being an integral part of my role. I was involved in different distinct types of prestigious projects that vary between Showrooms, High Rise Buildings, Banks, Clinics, Residential and Villas. Senior Planning Engineer and as a Project Manager from most of all reputable and international Consultant offices in Kuwait.

Waleed was the Senior Project Controls Engineer with responsibility for the following:

- Preparing Contractors' Schedules, Schedule Forecasting, Reporting Progress Status, Recommending Suitable Actions to Obviate any Potential Delays or Forecasted Cost Overruns, Manpower and Equipment Resources Planning, Monitoring and Controlling, Delay Analysis and Claim Assessment.
- Preparing Contractor's Project Method Statement, Master Plan, Detailed Construction Schedules, and Recourse & Cost Loaded Schedules including (Civil, Architectural, Conveying, Plumbing, Fire Protecting and Electrical Works).

- Analyzing and Evaluating of actual project costs against budgeted cost and preparing Time & Cost Claims and Variation Orders.
- Developing and Updating Project Performance Metrics (KPIs) for the Main Contractor and all subcontractors to Report and Monitor Project Progress through Scheduling, Resource, and Financial Information.
- Developing Risks, Assumptions, Issues and Dependencies to ensure that Risk Register covers all issues and mitigation plans during construction stages.

2003 - 2006: Eamar Albasitah Contracting Co. – Construction Manager

Project Title: School projects and Mobile Tele-communication Towers.

Location : Kingdom of Saudi Arabia

Client : Ministry of Education, KSA & Mobily Telecommunications company

Waleed was the Construction Manager with responsibility for managing, directing, and leading diverse construction projects/sites. Waleed also developed and managed the onsite and offsite construction quality, cost, safety, and time control metrics to monitor compliance with specifications/regulations, and to ensure successful projects delivery.

2000 - 2003: Construction Consultants' Group – Project Controls Engineer

Project Title: Completion of Project Administration and Delivery of New Tanta Educational Hospital

Location : Egypt

Client : Ministry of Health & Tanta University, Egypt

Waleed was the Project Controls Engineer with responsibility for the development and ongoing management of:

- Project Master and detailed schedules and related revised and recovery programs.
- Periodic and Senior Management level reports detailing recommendations and proposed actions.
- Project and enterprise performance metrics and KPIs for performance monitoring and controlling.
- Database and management system development and reporting.
- Claims and Revised Bill of Quantities BOQ.