

TAYSEER MOUSA ALMASALEHA

**B.Sc., MEng, FICE, CEng, EUR ING, JCE, PE, ICE Reviewer and Chief of Engineering
Asset Performance Manager & Projects Portfolio Team Leader
Abu Dhabi Distribution Company/Asset Management Directorate
Nationality – Jordanian**

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Education

- Bachelor of Civil Engineering (B.Sc.) Aleppo University – Syria - 1982
- Master Degree of Water Management (MEng) - Institute for Hydraulic and Environment Educations - UNESCO (IHE) – Netherlands 2004

Brief Work Experience

- Senior Projects Manager 2019 to present KN International Architects Engineers Consultant LLC
- Asset Performance Manager & Projects Team Leader 2008 - 2019 Abu Dhabi Distribution Company /United Arab Emirates – UAE
- Technical Office Manager and Leader of Structural Engineering Planned 2009-2014 Dr.Ali El Saie Consulting Engineers Consultant – UAE.
- Director of Water System Control Directorate 2000-2008 Jordan Valley Authority (JVA) – Ministry of Water & Irrigation.
- Secretary-General Advisor for studies and Projects 1999-2000 (JVA).
- Director of Water System Control & Maintenance Management Directorate 1996-1999 Jordan Valley Authority (JVA).
- Head of System Control Management Division 1995-1996 (JVA).
- Head of the Computer Division & Supervising the Pilot Project 1994 -1995 (JVA).
- Head of the Project Manager of Water Management Information System (WMIS)/CCS, CEB Companies 1992 – 1994 (JVA).
- Projects Manager of construction Irrigation Networks 1988 – 1992 (JVA).
- Head of Constructions & Roads Division 1982- 1988 (JVA).

Professional Profile

I am a highly motivated business leader, innovative, performance-driven, and solutions-focused Manager offering more than 37 years of widespread industry experience in Asset Management, Water Control Management, Potable Water and Treated Water Systems Operation and Maintenance, Structural Engineering, Projects and Contracts Management. I have contributed to business growth in challenging and fast-paced environments, developed an expertise in change management, building teams, increased employee skill levels, contributed to strategic improvements, enhanced complaint management systems, and improved strategy guidelines and procedures.

Acquired International Professional Engineering Grades

Granted from	Professional Engineering Grades	Year
Jordan Engineering Association	Chief of Project Management Engineering	2015
Jordan Engineering Association	Chief of Water Supply & Sewage Engineering grade A	2015
Institution of Civil Engineers/ United Kingdom UK	Fellow of Institution of Civil Engineers /FICE	2016
Jordan Engineering Association	Jordan Consultant Engineer, JCE	2016
United Kingdom UK-Engineering Council -Institution of Civil Engineers ICE	Engineering Council / UK Charter Engineer CEng	2017
European Federation of National Engineering Associations (FEANI)	European Engineer EUR ING	2017
Jordan Engineering Association	Professional Engineer PE	2017
United Kingdom-Engineering Council -Institution of Civil Engineers ICE	Institution of Civil Engineers - ICE Reviewer	2018
International Arbitration Organization - England	International Commercial Arbitration Counsellor	2020
Jordan Engineering Association	Expert of Design and Management of Sanitation Engineering	2021
Jordan Engineering Association	Advisor of Project Management (consultancy and construction)	2021

On-going committees

- Core team member in ISO55000 to support ADDC for certification.
- Abu Dhabi Water & Electricity Authority (ADWEA) Water Prequalification team.
- Key member in ADWEA Water Standard specification update Committee.
- Key member in building HP-EPPM, the Projects & Portfolio Management Tool in ADDC.

Previous committees

- ADDC (European Foundation for Quality Management EFQM) main submission committee for ADWEA Excellence award and Abu Dhabi Excellence Award 2015.
- ADWEA Projects Procedure Manual Update Task force committee.
- Key member in PAS55 core team.

Membership in Professional Organizations

- Membership - Jordan Engineering Association – 1982
- International Jordanian Water Joint Member committee -Jordanian Prime Ministry - 2005-2008
- Fellow of Institution of Civil Engineers - UK – 2017

Qualification Summary

- I have obtained international professional grade FICE, CEng, EUR ING, JCE, PE, ICE Reviewer and Chief of Engineering.
- Adept in performance-driven executive with significant experience in projects management and contracts management, and technical project leadership a hands-on, dynamic leader with over 37 years of experience guiding and motivating cross-functional teams. Highly creative with strong technical expertise and international business acumen. Proven record of identifying and implementing process improvements to improve revenue, workflow, and customer satisfaction.
- I have organizational responsibility for the performance of a significant portfolio of projects including cost savings; performance gains; better project information and risk management; more accountability; more consistent, efficient and transparent decision-making processes; reduced politics; and increased stakeholder confidence and financial outcomes.
- Adept in Asset Management with expertise managing all stages of the life cycle, maximizing the effectiveness of infrastructure, defining the investment and work required to deliver the service outputs and manage the programmes of work and minimizing the whole life cost.
- Adept in Control and Water Management with expertise in organizational restructuring, the management and direction of operation and maintenance activities for large and complex water hydraulic schemes (dams, pumping stations, water supply and water distribution).
- I have shown excellent leadership skills and the ability to influence a team of peers and highly results-focussed individual with a sound business understanding and financial awareness at a strategic level.
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- Advanced knowledge of oracle programmer skills, and computer software applications (Maximo, EPPM, GIS, CC&B, PM, EPANET, Water CAD, ETABS, Civil 3D, hydraulic model, and Office package.

❖ Business Developments and Achievements

- I become UK- Institution of Civil Engineers Fellowship and ICE Reviewer 2017
- I supported ADDC in certification for PAS55 by developing/updating ADDC policies and strategies and ensuring that ADDC assets management system is aligned with PAS55 and ISO 55000.
- Reduced the projects investment cost by 20% through development and implementation of effective replacement/ maintenance procedure based on Assets Conditions & Criticality Analysis (risk, cost-benefit principles) and energy management to improve asset safety, reliability, availability and utilization.
- Mitigate 15% of asset failure through the development of Asset risk procedure to facilitate a consistent trade-off between performance, cost and risks by following best international practices and standards.
- Reduce the operation costs 30% achieved implementing a new water management information system and a decision support system in order to optimize water management in the Jordan Valley.
- Reduce maintenance costs by 30 % through the application of more effective and efficient technologies (Developing Performance Based Contracts (PBC) to improve the condition of assets (Better outcomes and better level of service for our Customers).
- Increase the water forecast uncertainty by 85% by developing Water Management Strategy (seasonal forecasting), which includes periodical cross-checking between water demand and available water resources in order to ensure the water balance for the coming months, and to decide whenever necessary upon water allocation between competitive requirements.

1. United Arab Emirates/ K/International Architects Engineers Consultant LLC/ Principal Projects Manager 2019 to present

Senior Projects Manager 2019 to present

- Lead major projects, significant work stream of portfolio of projects, to stakeholder expectations, to the agreed business outcomes, within the constraints of the business cases and apply the role's expertise in complicated project management to provide thought leadership and line management of teams either within a large scale project or a pool of project managers.
- Manage professional projects team responsible in all project stages from technical feasibility & evaluating the techno-economical alternatives through utilizing the resources available & maintaining the knowledge to upgrade in the future plans covering the range of project initiation, manage the tendering process, execution & commissioning infrastructure development projects and ensure their effective and efficient implementation with good quality and best engineering standards.
- Manage Contract Tendering process ensuring that tender documents are sound from the technical, contractual, financial and legal aspects, all technical specifications are met and required documentation produced.
- Responsible for Design Management, qualification, procurement, selection, contracting and performance of any and all Architectural, Engineering and Technical Designers hired to complete the facility design phase of the Project. Responsible for the successful completion of the design that meets the creative/architectural intent within the budget and schedule established for the project.
- Serves as the team leader by overseeing the project team, including the technical team. Facilitates team building and communication. Works with management of other departments within the Company to ensure project related tasks and/or issues are resolved. Plans and projects resources required across all areas for studies. Serves as a project advisor to project teams regarding the operational and project management aspects of projects.
- Responsible for the management, tracking and reporting of all the necessary project components inclusive of budget, schedule and progress of the project to upper management. Responsible to maintain accurate documentation necessary to insure a successful project completion within the targeted budget and schedule.

2. United Arab Emirates /Abu Dhabi Distribution Company (ADDC)/ Asset Management Directorate /Water Asset Performance Manager 2008 up to 2019

Asset Performance Manager & Projects Team Leader (Consultancy & Construction)

- Lead the development and implementation of asset management strategies supported by high quality of asset management policies, systems and practices to achieve optimal return on investment and effective deployment of the ADDC property, infrastructure and/or equipment portfolio and formulates long and short-term plans for capital investments relating to strategic water network development.
- Lead and manage a team of 14 Professional Engineers to develop investment plan of potable water and recycle Water asset infrastructure network in Abu Dhabi Distribution Company to maximize the effectiveness of the asset infrastructure, defining the investment and work required to deliver the high level of service outputs and manage the programmes of work.
- Identify, quantify and monitor the delivery of the future asset investment requirements, take account of key factors including the growth and connection requirements; condition and performance of the assets; statutory obligations; economic regulation; and current and emerging best practices.
- Study, plan, design and model of investment scenarios and options for the replacement, maintenance and inspection of the existing systems and facilities to ensure they meet service requirements and comply with the asset security standards, codes and licenses.
- Analysis of the feedback against time, cost, benefits and risks for all investment projects and programmes of work and provide decision resolution for different levels of exception where projects or programmes of work go out of agreed tolerance levels.
Identify emerging risks and develop suitable response strategies, procedures and work instructions in a timely manner, challenging assumptions on cost/benefit and risk aversion as necessary
- Manage and leverage the life cycle of investments, initiatives, programs, projects, and outcomes to optimally achieved enterprise ADDC goals and objectives.
- Manage professional projects team responsible in all project stages from technical feasibility & evaluating the techno-economical alternatives through utilizing the resources available & maintaining the knowledge to upgrade in the future plans covering the range of project initiation, manage the tendering process, execution & commissioning infrastructure development projects and ensure their effective and efficient implementation with good quality and best engineering standards.
- Manage Contract Tendering process ensuring that tender documents are sound from the technical, contractual, financial and legal aspects, all technical specifications are met and required documentation produced.
- Resolves financial claims, contractual claims and related issues, taking required action upon proper scrutiny of requests.
- Plans, manages, and direct \$ (150) million of Consultancy & Contracts for 12 large-scale development infrastructure projects for upgrading and replacement networks (potable water and recycle water) based on the condition assessment during 2008-2019 (Projects list attached).
- Managing the consultancy projects with international consultants such as ITALCONSULT, MWH, DR.M.A El Saie Consulting Engineers, Dar Al Handasah Nazih Taleb & Partners, KN International Architects and Engineers LLC and Tebodini Consultants and Engineers.

3. United Arab Emirates / Dr.Ali El Saie Consulting Engineers 2010-2014 Consultant (Part Time)

Technical Office Manager and Leader of Structural Engineering Planned

- Plan, develop, design and implement structural blueprints based on engineering specifications and international standard, and entitled in all the engineering aspects of civil engineering.
- Plan, design and model the scenarios and options for the development projects to ensure compliance with the water security standard, codes and license.
- Provide expert advice on the design, planning and management of civil construction projects, covering all types of residential and commercial construction, particularly in the area of large public infrastructure projects.
- Provides support for the administration of change orders and claims (contract interpretation, advice on how to best approach issues with the client, substantiation of the change orders and claims, participation in negotiations with the client or 3rd party.
- Provides guidance and assistance in the bid, proposal and contract preparation process, including assistance with the development of technical specifications, selection of vendors and contractors and development of contract language.
- Provides contractual and commercial guidance for developing bid package for tendering, and Recommends appropriate amendments to all sections of formal bid packages to ensure clarity or requirements from Legal, Commercial and Technical view point.
- Advises the Project Management on contractual matters and manages the contractual correspondences in accordance with the Contract Terms and Conditions, specifications and drawings including construction change orders.
- Monitor and track projects progress, aged accounts, invoices and budget, and is responsible for overall project performance and profitability in additional to develop schedules, budgets and proposals (contracts).

4. Jordan / Ministry of Water & Irrigation – Jordan Valley Authority (JVA) 1982 to 2008

4.1 Director of Control & Water Management Directorate & Advisor for Studies & Projects 1996-2008

- Lead a team of 8 professional engineers and 70 employees to manage, direct, operate and maintain of the activities for large and complex Jordan Valley Irrigation supply and distribution network hydraulic scheme, including three rivers,6 dams,36 pumping stations to maintain the service standard to customers and to deliver irrigation water including supply services of required quality and quantity. Ascertain the compliance with JVA codes and policy.
- Plan, design and model the scenarios and options for the development of the existing water supply and distribution system facilities to ensure compliance with the water security standard, codes and license.
- Develops the directorate budget ensuring provision of sufficient resources and assets to reach target goals and objectives of all functions involved and prepares CAPEX for short & medium periods as well as investment strategies.
- Develop a comprehensive water policy, strategy, procedures, water master plan for sustainable development and management of water schemes in Jordan Valley (JVA).
- Develop Water Management Information System (WMIS) with the consultants Computer & Communications Systems Limited (CCS) and Computer and Engineering Bureau (CEB).

4.2 Head of System Control & Management Division 1995-1996

- Lead a team of 4 professional engineers and 50 employees to manage, plan and direct the activities of Water Division in charge of the operation of a large and complex Jordan Valley Hydraulic scheme to maintain service standard and deliver water including supply services of required quality and quantity.
- Ensure compliance with JVA codes and policy and responsible for water supply (bulk), irrigation water distribution system and drinking water.
- Plan, manage, directs and provide technical on the activities of the irrigation projects covering execution and control, and cost effective execution of water projects.

4.3 Head of the Computer Division & Supervising the Pilot Project 1994 -1995

- Plan, organize, direct, control and evaluate the activities of JVA organization that analyze, design, develop, implement, operate and administer and implementing all computer-related new technologies
- Project Manager of \$7 million of full automation of King Abdullah Canal Project and SCADA System with the consultants French Gersar Consulting (SCP) - and Germany ERNO Company.
- Project manager of \$3 million of Water Management Information System (WMIS) with the consultants Computer & Communications Systems Limited (CCS) and Computer and Engineering Bureau (CEB).

4.4 Projects Manager of Irrigation Networks Construction 1988 - 1994

- Project planning and scheduling, resource allocation, project accounting, and control, while providing technical direction and ensuring compliance with quality standards while covering all the areas of project management (planning, cost, timing, quality, contracting, administration, and safety).
- Led \$25 million of consultancy and construction irrigation infrastructure large-scale irrigation projects (Middle Gour Project and Zarqa Triangle Project) pressurized pipes irrigation networks including 39 pumping stations and diverted dam to irrigate (650,000 square meters).

4.5 Head of Constructions & Roads Division 1982-1988

- Supervise and direct the activities of Construction and Road Projects Division and supervises major highway projects of JVA as part of infrastructure development projects.
- Design and construction of highway roads and buildings which included planning, organizing, securing, and managing resources to bring about the successful completion of road project goals, objectives design and consultancy.
- Plan, manage, direct and provides technical guidance for projects covering also the execution of road and building projects.
- Led consultancy & construction project of \$30 million the Tourism Highway along Zarga River from Jrush to Dea-Alla (30 km) consisting of four lanes and two-way crossing Talal Dam structure / Masar Consulting & Engineering.
- Led a project of consultancy and construction of 500 Km Main Road and Farms Road in the Jordan Valley.

❖ Publication of International Technical Papers

<ul style="list-style-type: none"> Smart Replacement /Rehabilitation program for DI Iron Pipelines for Water Delivery Systems at IET- Asset Management Conference in London, UK 	2013
<ul style="list-style-type: none"> Asset Maintenance/Replacement based on Criticality Analyses and Energy & Pollution cost effective IET- Asset Management Conference in London, UK 	2014
<ul style="list-style-type: none"> Water &Electricity Maintenance/Replacement based on Criticality Analyses Conference in London, Bahrain 	2014

❖ Core Competencies

<ul style="list-style-type: none"> Troubleshooting and problem Resolution Crisis and Problem Solving Excellent People Management skills Risk Management 	<ul style="list-style-type: none"> New Business Development Revenue Enhancement/Growth Process Innovation/ Optimization Quality Control Management/ Development Excellent computer skill 	<ul style="list-style-type: none"> Asset Management Projects management professional Contract management Strategic Planning/Leadership Budgeting/Cost Controls Team Building /Management
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❖ Engineering Conferences ,Workshop, Seminars and &Training Engineering Technical and Management (1200 HR)

Engineering Management Courses (Europe)	Engineering Management Courses (United Arab Emirates)	Engineering Management Courses (Jordan)
<ul style="list-style-type: none"> Control & Remote Management Network (France) 1993 Water Management & Developing Information System by Computer (Germany) 1993 Operation & Maintenance of Dynamic Regulation Systems (France) 1994 International Water Management & Water Quality Field trips UNESCO-IHE (Netherlands, Belgium, Germany, Italy, Switzerland) 2004 Effective Use of Industrial Water and Re-use of Waste Water (Japan) 2007 Water Quality Management and waste water treatment (Germany) 2007 Water Benchmarking (Australia) 2008 Asset Performance workshop (London) 2013 	<ul style="list-style-type: none"> Installation & Welding of High Density Polyethylene-(HDPE) Pipes for GAS & Water Performance & Productivity Management Advanced Process Risk Assessment & Risk Management Cost Analysis and Performance Management Advance Project Management Project Professional MBA Strategy Execution Boot camp Water Distribution Design and Modeling, Full- (Abu Dhabi) Bentley Institute Transient Analysis and Design- (Abu Dhabi) Bentley Institute Contract Management Professional (Contract Planning, Strategy & Claims Management) Asset Management & PAS 55 (Maximizing Returns from Capital Investments) Introduction to EFQM Excellence Model The 7 Habits of Highly Effective People Leadership Development Program Leadership by Influence IMS Requirements System Safety Rules Leading the speed of Trust Creating the future Leaders Programme Emotional Intelligence Program 	<ul style="list-style-type: none"> Management of Change Reengineering Total Quality Management & ISO 9000 High Administration Program Value Engineering Procurement and Project Management Advanced Accrual Basis Accounting Project Identification and Design for Consulting/Engineering Projects Construction Contracts (Design, Management and Monitoring Procedures) Water and Wastewater Management Advance Geographical Information System Advanced SCADA Monitor Pro V7.6 SCADA Software Maximo full courses for all Maximo applications Enterprise Projects Program Management System Irrigation Management under Drought Conditions Integration Management for Water Resources by using Mathematical Models Effective Leadership 2000 Learning Origination in Development Advance Accrual Basis Accounting

Computer Programing & Design, Database Training Courses- (1100) HR Training

- Introduction to Relational Database Management System (Oracle)
- Basic Oracle and Advanced Oracle
- Advanced Application Building in Oracle RDBMS
- Advanced Relational Database Management System
- Advanced Oracle V 6.0
- Advanced Application Building in Oracle V 7
- Oracle Database Administration
- Oracle Forms 4.5
- Oracle Database Administration RDBMS7
- Developer 2000
- Oracle Reports 2.5
- Unix Utilities & Commands
- Unix Operating System for Users
- Advanced Microcomputers & Administration

- Supporting MS Windows NT Server 4.0 – Core Technologies
- (Microsoft Official Curriculum Course)
- Internetworking MS TCP / IP ON MS Windows TN Server 4.0
- (Microsoft Official Curriculum Course)
- Network Technology
- Windows NT Core Technology
- Auto Cad
- Advanced Application Packages (MS Excel & MS Word 97)
- Advanced Lotus 1 2 3
- Internet Course
- ARC View (GIS) and ArcGIS 1 & 2
- Maintenance of Personal Computers

❖ list of Projects experiences

1.1 Projects in KN International Architects Engineers Consultant LLC /United Arab Emirates

Projects Description

New development Potable Water & Recycle Water Infrastructure and network replacement projects including projects management process Group (initiating, planning, feasibility study, design, executing, monitoring and controlling, closing)

**Budget
MUSD**

Year

1

Consultancy Services for Developing the Sustainability Maintenance Strategy and Developing Outsourcing Maintenance Contracts for Water and Recycle water Assets in Central, Eastern and Al Dhafra Regions for ADDC

60

2109

1.2 Projects in Abu Dhabi Distribution Company (ADDC) / United Arab Emirates

Projects Description

New development Potable Water & Recycle Water Infrastructure and network replacement projects including projects management process Group (initiating, planning, feasibility study, design, executing, monitoring and controlling, closing)

**Budget
MUSD**

Year

1

Replacement of existing Water Distribution Network in Western Region.D-106685

40

2108

2

Replacement of existing Water Distribution Network in Abu Dhabi Island for Sectors W40, W41, W36, W34 & W35, PRM for Sector E18_01 and Interconnection between DN600 PRM from Corniche road to IP116.

15

2107

3

Replacement of PRMs Phase-1 in Central Region.

70

2107

4

Consultancy Service for the Asset Survey & Condition Assessment of Water Distribution Network in the Eastern Region of Abu Dhabi

3

2016

5

Consultancy Service for the Asset Survey & Condition Assessment of Water Distribution Network in the Western Region of Abu Dhabi

3

20114

6

Replacement of existing Water Distribution Network in Eastern Region M9 ,M-10 ,M-11 ,M-12 ,M13 ,M14 ,M 15, , M16 & M 20

10

2013

7

Improvement & Extension to Water Networks in Western Region of Abu Dhabi Emirates

17

2011

1.1 Projects in Jordan

Project Description		Budget MUSD	Year
Supervises and directs the activities of Irrigation network Projects and supervises major Water Management Information System projects of JVA as part of infrastructure development projects.			
1	Water Management Information System (WMIS) project / Computer & Communications Systems Limited (CCS) and Computer and Engineering Bureau (CEB) companies.	4	2005
2	SCADA System to optimize the storage and delivery of Jordan Valley water, which included the installation, and commissioning of the King Abdullah Canal to automate operation of Large Irrigation Scheme, and develop the software systems for automatic operation of Jordan Valley Irrigation Scheme through the electronic water measurement network.	6	1994
3	Consultancy and construction (Zarqa Triangle Project) to pressurized pipes irrigation networks (165,000 square meters) which included installation of a major conveyor Irrigation pipeline 40 kilometers in length (1500-800 mm) from Talal Dam.	10	1990
4	Consultancy and construction (Middle Gour Project) to convert open canal to pressurized pipes irrigation networks (650,000 square meters), including installation of a major conveyor pipeline totaling 60 kilometers in length (1600-900 mm) and installation of a distribution network with a total length of 3000 kilometers (600-200 mm) including the construction of four water pumping stations.	15	1988
5	Consultancy & construction of the Tourism Highway along Zarga River from Jrush to Dea-Alla (30 km) consisting of four lanes and two-way crossing Talal Dam structure / Masar Consulting & Engineering	10	1984