



COMPANY PROFILE

Crafting Resilient Connections

BUILT ON TRUST. SUSTAINED BY EXCELLENCE.

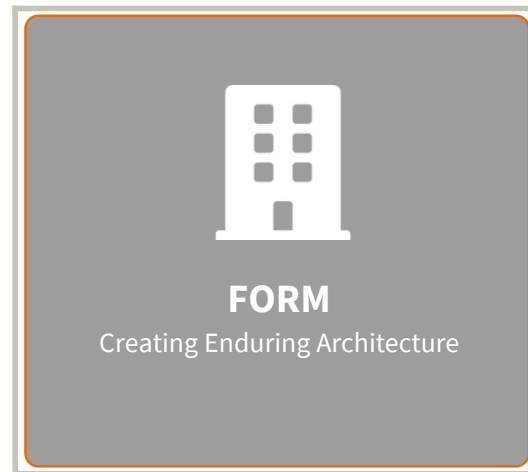
AE INTERNATIONAL CONSULTANCY

www.ae-consultancy.com

OUR STORY

AE International Consultancy is a trusted multi-disciplinary design consultancy offering a one-stop solution for master planning, infrastructure, landscape, architecture, engineering, and Project Management. We deliver fully integrated design and coordination from concept to completion, bringing all disciplines together under one roof. With a strong focus on client satisfaction, technical feasibility and compliance with authority requirements, we ensure every project is efficient, well-coordinated, and fully approved.

THE FOUR DIMENSIONS



BRINGING PASSION INTO EXPERTISE

Our team brings proven technical expertise across all our services, delivering fully integrated solutions from concept to completion. Beyond proficiency, we are genuinely passionate about what we do and take pride in being actively involved at every stage of the project timeline, from early design development through coordination, authority submissions, and on-site support.



Master Planning



**Landscape and
Parks**



**MEP
Engineering**



**Signage and
Wayfinding**



**Roads &
Transportation**



**Civil and
Structural**



Interior Design



**Construction
Supervision**



**Project
Management**



**Building
Architecture**



**Utility
Infrastructure**



**Cost & Value
Engineering**

COMMITMENT TO THE PEOPLE



ONE PURPOSE

To become a globally recognized leader in delivering integrated, multi-disciplinary design and engineering solutions that shape sustainable, innovative, and resilient communities.



ONE PROMISE

To approach every project with integrity, precision, and accountability, creating an environment where our people enjoy what they do and take pride in every solution they deliver.



OUR PRIDE

Our people are the heart of everything we do. We believe that exceptional design begins with a team that is valued, empowered and inspired.

We cultivate a healthy, collaborative, and sustainable work environment where every individual's contribution is recognized, achievements are celebrated and each challenge is supported.





OUR AMBITION

*We challenge ourselves to redefine the standards of design.
We aim to influence the future of master planning, architecture
and engineering through innovative, inclusive, sustainable,
and collaborative solutions that leave a lasting impact on
communities and environments.*

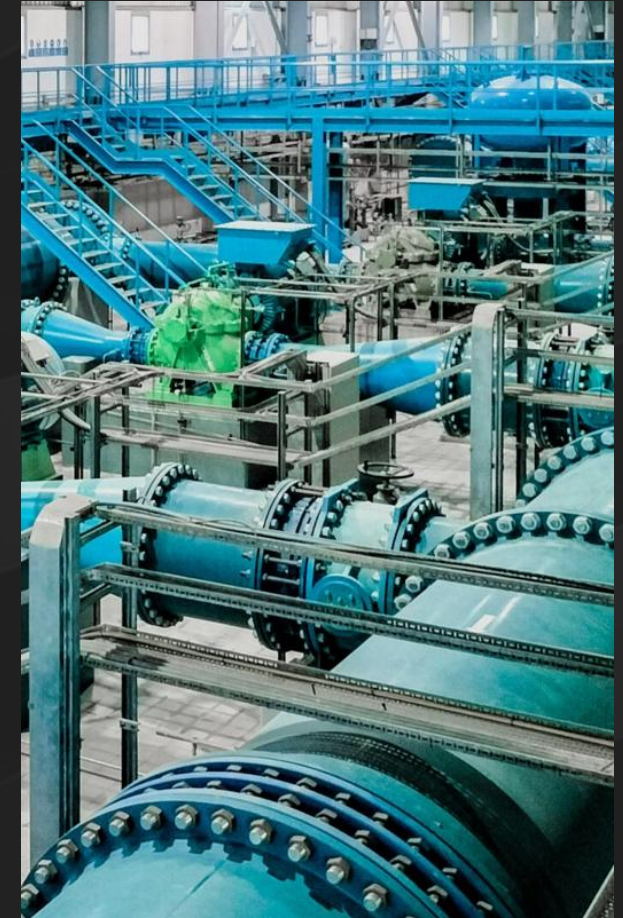
BUILT ON TRUST. SUSTAINED BY EXCELLENCE.



SELECTED

PROJECT REFERENCES OF AE INTERNATIONAL

AND ITS INFRASTRUCTURE PARTNER



INFRA AND UTILITY WORKS FOR REEM HILLS PHASE II

ABU DHABI, UAE

Client

Modon

Employer

KN International

Cost

AED 172 Million

Scope

Design

Status

Ongoing



Project Brief

AE International Consultancy together with its Infrastructure partner was appointed by Royal Development Company, on behalf of MODON, to provide design consultancy services—validating, completing, and securing approvals for the design and tender documents of Reem Hills Phase II.

The design objectives focus on enhancing the everyday community experience, addressing local resident requirements, and raising satisfaction across the neighbourhood as the project progresses through Preliminary, Detailed, and Construction Documentation stages.

Concept/ Strategy

Organic Design principles guide the landscape, integrating contemporary design with the UAE's natural beauty, cultural heritage, and sustainability goals to create a distinctive, site-responsive public realm within the desert context.

Hills and ribbons form the public realm's foundational elements, with the green ribbon's open spaces hosting play and recreational amenities that draw residents outdoors and foster social interaction.



DUBAI SOUTH, PHASE VI

DUBAI SOUTH, DUBAI, UAE

Client

Dubai South

Employer

Dubai South

Area

220,150 sqm

Scope

Design

Status

Completed



Project Brief

Dubai South is re-masterplanning Phase VI as a self-sufficient townhouse and villa development centered on place-making, with limited apartment use across the 220,150 sqm site.

AE International together with its Infrastructure partner was commissioned to provide landscape and irrigation design through M.A. Kharafi & Sons and Ital Consult, carrying the scope from Preliminary Design through Construction Documentation.

Concept/Strategy

The landscape design intent entices residents and visitors with a sense of relaxation throughout the development, drawing on the calming, restorative effect of moving water on mood and wellbeing.

Gravel layers outline the streets to resemble water waves, while sikkas and parks follow curved networks, extending that same calming geometry across the wider public realm.

E22 & E20 ROAD IMPROVEMENT

ABU DHABI, UAE

Client

Department of Municipalities and Transport (DMT)

Employer

KN International

Cost

AED 15 Million

Scope

Design

Status

Ongoing



Project Brief

AE International together with its Infrastructure partner was awarded by the Department of Municipalities and Transport (DMT), Abu Dhabi to deliver a road improvement scheme along E20 Al Khaleej Al Arabi Street and the E22 Ramp, near Al Qana and the National Aquarium.

The project requires multidisciplinary coordination across Roads, Stormwater, Electrical, and Landscape disciplines to develop an integrated concept design for the corridor.

Concept/ Strategy

The Landscape discipline is currently preparing survey scoping and concept design documentation, including site assessments of the E20 and E22 alignment.

This work supports the wider engineering design and DMT approval process, coordinating landscape input with the corridor's roads, drainage, and utilities scope.

INFRASTRUCTURE MODIFICATIONS AND AUTHORITY APPROVAL

AL REEM ISLAND, ABU DHABI

Client

Radiant Real Estate

Employer

KN International

Area

12,100 sqm

Scope

Design

Status

Ongoing



Project Brief

AE International together with its Infrastructure partner was awarded by Radiant Real Estate for their Al Reem Island holdings, covering Plots RS5-C28_C29, RS5-C31, C4A, and C4B, within the Shams masterplan by Aldar Properties PJSC.

Plot RS5-C31 is being developed as the Radiant Beach Front Tower, comprising residential flats, serviced apartments, and a hotel, with the scope covering dualization and reconfiguration of the surrounding road network.

Concept/ Strategy

The scope includes Road-1, Road-32, Road-33, and Road-34, plus a new roundabout and kerb alignment serving the surrounding plots.

Proposed plot entrance and substation layouts are coordinated for Plots C28_C29 and C31, integrating the road dualization with each plot's access requirements.



PEER REVIEW FOR INFRA DESIGN - UTILITIES, LANDSCAPE, AND STRUCTURE FOR LULU ISLAND

ABU DHABI, UAE

Client

Eagle Hills

Employer

KN International

Cost

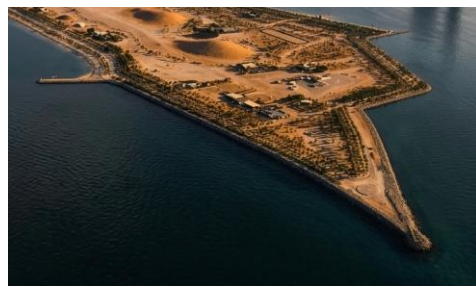
AED 400 Million

Scope

Design

Status

Ongoing



Project Brief

The Lulu Island Development comprises the concept design of a large-scale waterfront public realm and landscape destination, establishing a framework for parks, promenades, beaches, and active mobility networks.

Scope includes over 5 million sqm of accessible open space, extensive waterfront promenades and beaches, children's play areas, sports facilities, and multi-purpose community spaces within a cohesive public realm network.

Concept/ Strategy

The landscape vision creates a resilient, destination-driven, people-oriented environment that enhances the island's identity while promoting walkability, cycling, recreation, and community wellbeing.

Sustainable placemaking, climate-responsive design, and ecological enhancement strengthen connections between the built environment, natural systems, and waterfront edges, establishing Lulu Island as a memorable Abu Dhabi destination.

PERFORMANCE GOLF

AL MARIAH ISLAND,
ABU DHABI

Client

Performance Golf

Employer

KN International

Area

45,000 sqm

Scope

Design

Status

Completed



Project Brief

AE International together with its Infrastructure partner provided an architectural design concept for the Performance Golf complex on Al Mariah Island, Abu Dhabi, a strategic 45,000 sqm site fronting the Galleria Mall.

The complex includes 64 customized containers with raised ceilings for hitting bays, connected to the mall by footbridge, with a driving range measuring 220 by 150 meters.

Concept/Strategy

The building combines glass, steel, and modified shipping containers as its main shell material, with a driving range surrounded by rows of trees and mild terrain targets.

Glass skylights and walls draw on natural lighting to minimize lighting requirements, while giving occupants the experience of remaining part of the outside environment throughout the day.



55 RESIDENTIAL UNITS AND RELATED INFRA WORKS IN LIWA

AL DHAFRAH REGION, UAE

Client

Abu Dhabi Housing
Authority

Employer

KN International

Area

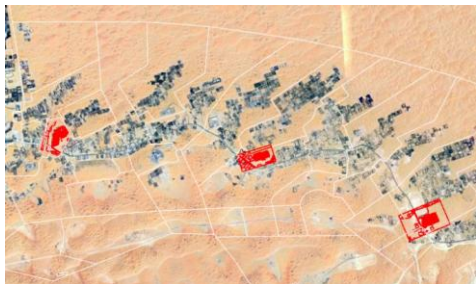
111,375 sqm

Scope

Supervision

Status

Ongoing



Project Brief

The project involves the construction of 55 residential villas together with complete enabling and infrastructure works in Liwa, Al Dhafra Region, distributed across five separate sites roughly 220 km southwest of Abu Dhabi.

Each villa has an average built-up area of approximately 500 sqm on plots of about 2,025 sqm, distributed across Mahdar Khanoor, Jarmada, Al Huiteen, Al Tharwaniyyah, and Al Yariyah, delivering a fully serviced residential community.

Concept/ Strategy

The five sites were each planned to ensure adequate spacing and privacy between villas, balancing the practical demands of a remote, dispersed development with consistent design standards.

Complete infrastructure and utilities are integrated across all five sites, supporting a cohesive residential community despite the distance separating each cluster of villas.

MPS18 DIVERSION & KIZAD PS UPGRADE

ABU DHABI, UAE

Client

Abu Dhabi Sustainable
Water Solutions PJSC
(TAQA Water Solutions)

Employer

KN International

Cost

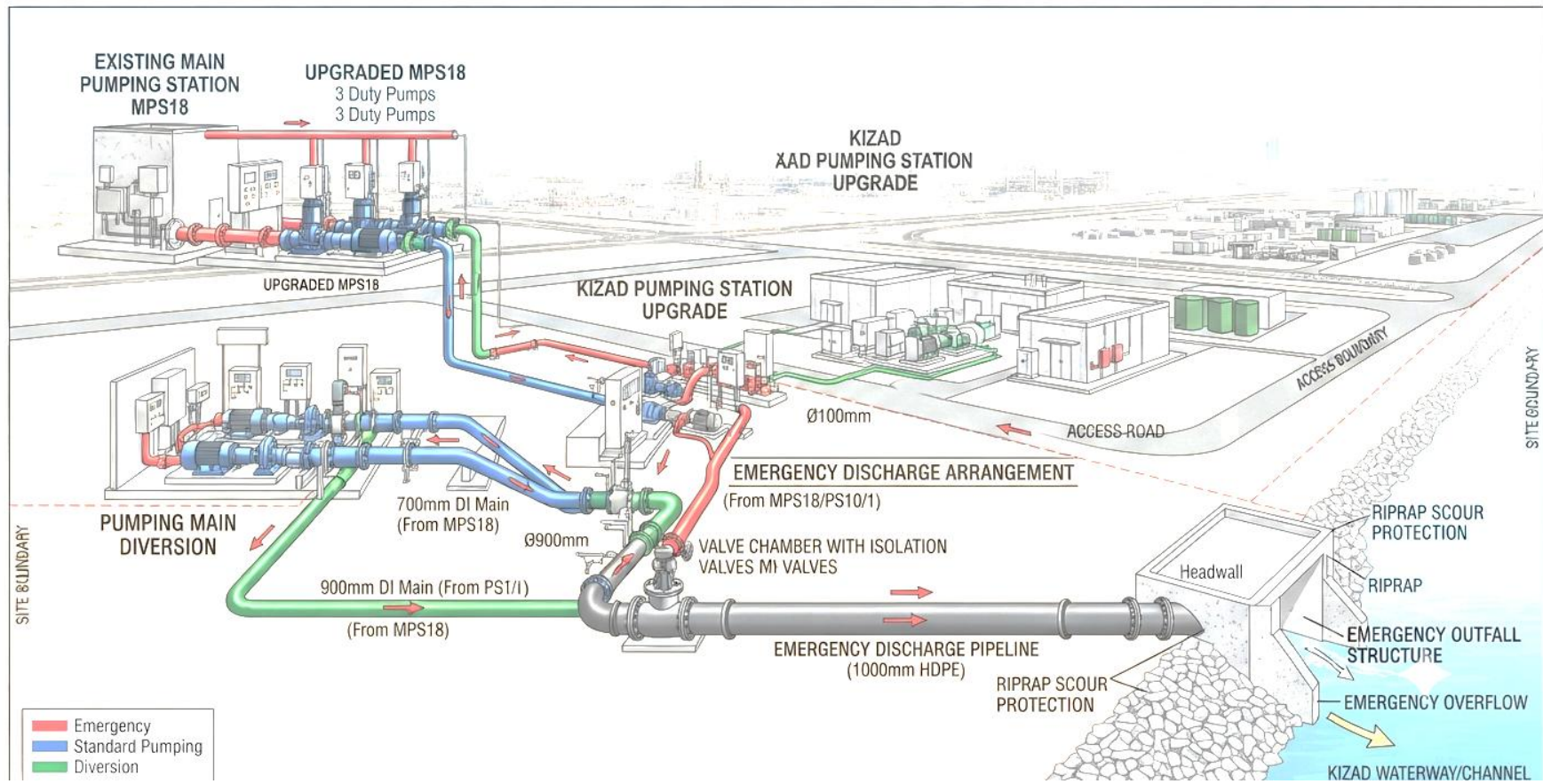
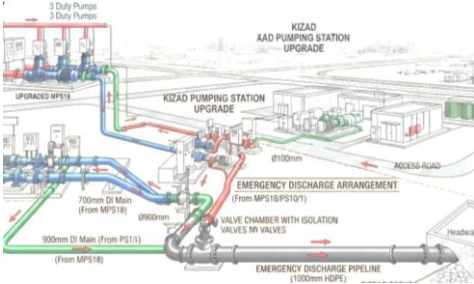
TBA

Scope

Design and Supervision

Status

Ongoing



Project Brief

TAQA Water Solutions seek services of a qualified consultant for design and construction supervision of an emergency discharge arrangement for MPS18, a PS10/1 pumping main diversion, and an upgrade of KIZAD pumping stations.

The consultancy runs through Inception Report, PD, DD, TD and IFC stages plus a Maintenance Period, covering the Al Wathba, Mafrag and KIZAD areas under TAQA-WS's phased pump station and network rehabilitation programme.

Concept/ Strategy

The design provides an emergency and redundant discharge arrangement for MPS18 alongside diversion of the PS10/1 pumping main, addressing hydraulic capacity and asset integrity identified under the rehabilitation programme.

Pumping stations across KIZAD are upgraded and reconfigured to improve resilience, HSE performance and sustainability, ensuring uninterrupted service and compliance with current operational standards.

Paddock Club TURN 1 - ENTRANCE AND REAR WALKWAYS

ABU DHABI, UAE

Client

Yas Marina Circuit (YMC)

Employer

KN International

Area

1,449 sqm

Scope

Design and Supervision

Status

Design - Completed
Supervision - Ongoing



Project Brief

Yas Marina Circuit currently relies on temporary entrance and rear walkway structures connecting the main grandstand suites to the Turn 1 hospitality area, which accommodates around 2,000 guests during events.

The project replaces these with a permanent solution that enhances guest experience, improves operational efficiency, and reduces recurring setup costs across future Abu Dhabi Grand Prix events.

Concept/ Strategy

The consultancy scope spans concept and schematic design across architecture, structure, and MEP, integrating the new permanent structures with the existing main grandstand and surrounding facilities.

The design establishes a strong architectural identity aligned with the Yas Marina Circuit aesthetic, focusing on functionality, accessibility, and flexibility to support future upgrades and evolving event needs.

AL AIN CYCLE TRACK

ABU DHABI, UAE

Client

Al Ain Municipality (AAM)

Employer

Icon Spaces

Area

2,191,792 sqm

Scope

Design

Status

Completed



Project Brief

ICON SPACES appointed AE International Consultancy to deliver design services for AL AIN MUNICIPALITY (AAM), covering the 140 km Al Ain Cycle Track and its associated public spaces across the Al Ain Region.

The Concept Design stage covers cycling tracks, walkways, street furniture, lighting, shading, and signage and wayfinding systems, alongside wind barriers and soft landscaping, plus road safety audits, stormwater drainage, pedestrian crossings, and coordination of electrical and telecommunication utilities.

Concept/Strategy

The design approach adopts a strategic, context-sensitive framework that classifies project areas according to their urban density, existing infrastructure, and environmental characteristics.

This methodology ensures each zone receives a customized design solution, enhancing functionality, safety, and overall user experience for pedestrians and cyclists alike.



INFRA WORKS AT AL SHAMKHA SECTOR SH20 TO SH29

ABU DHABI, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

AED 420 Million

Scope

Design

Status

Ongoing



Project Brief

Aldar Properties commissioned a revalidation of the previously completed Al Shamkha Sector 20–29 development, appointing AE International together with its Infrastructure partner to review and update the design in line with current requirements.

The scope covers validating, completing, and securing approvals for the design and tender documents, including the streetscape's soft and hardscape, shading, and furniture design.

Concept/Strategy

The landscape strategy favors low water demand planting, with rock and gravel bed layers stabilizing surface treatments and trees providing shade, while low-growing species on medians preserve clear vehicle sightlines.

Date palms mark roundabouts and iconic destination points such as bus stops, with a single tree species selected per avenue and a two-way, three-meter cycle track running the length of each avenue right-of-way.

OHANA TOWER

REEM ISLAND, ABU DHABI

Client

Ohana Development

Employer

Al Salaam Consultants

Area

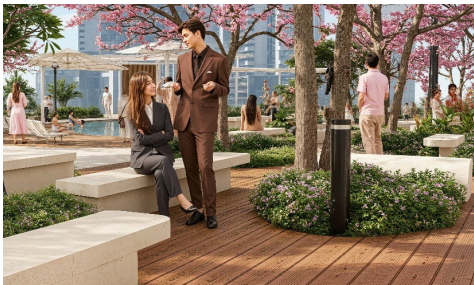
5,049 sqm

Scope

Design

Status

Completed



Project Brief

Ohana Development appointed AE International Consultancy LLC as a sub-consultant to Al Salaam Consultants, delivering landscape, irrigation, and landscape lighting design services for Ohana Tower, a high-end residential tower on Reem Island, Abu Dhabi.

The commission spans Concept Design, Preliminary Design, Detailed Design, and Construction Documents, carrying the landscape scope through to on-site delivery as the tower's residential podium and amenity decks move through construction.

Concept/Strategy

The design draws on diagonal and angular lines that contrast the tower's wavy architectural form, expressed through planting layouts, planter shapes, and paving patterns to create a clear distinction between architecture and landscape.

Ohana, the Hawaiian word for family, shapes the landscape strategy: gathering spaces support family activities throughout the site, while high-quality materials and finishes reflect the tower's high-end residential character.



LIWA PARK

DHAFEER AREA, AL DHAFRAH

Client

AL DHAFRA REGION
MUNICIPALITY (DRM)

Employer

KN International

Cost

AED 70 Million

Scope

Design and Supervision

Status

Design - Completed
Supervision - Ongoing



Project Brief

Al Dhafra Region Municipality (DRM) appointed AE International together with its Infrastructure partner to provide design and construction supervision services for Liwa Park at Plot P1231, Dhafeer Area, connecting to the recently constructed Liwa Signage landmark.

The park's main objective is to provide a camping and picnic destination that draws visitors to the site, particularly during the festive season, while supporting the city's growing tourism appeal.

Concept/ Strategy

Natural sand ripples inspired the park's linear geometry, so the design blends with the surrounding dunes while celebrating desert life and preserving the heritage and identity of Liwa city.

Red, a symbol of joy and festivity, dominates the furniture palette, reinforcing the celebratory character the park is intended to bring to its community and visitors.

AL HAYAR STREETSCAPE

ABU DHABI, UAE

Client

Aldar Properties

Employer

KN International

Area

40,000 sqm

Scope

Design

Status

Ongoing



Project Brief

Soft landscape and irrigation design has been commissioned by Ital Consult, mainly across pedestrian realm edge zones, road medians, and roundabout central islands in Zones A & B.

The scope includes data collection and revalidation of the previously approved 2019 detailed design, plus securing approvals from AAM, AADC, and TPD, and obtaining NOCs from other stakeholders.

Concept/ Strategy

The landscape design draws on the organic beauty of the site's natural surroundings, emphasizing fluid shapes that mirror natural sand ripples through blended curves and diverse plantings.

Natural materials like stone, wood, and gravel ground the design, while native plants enhance biodiversity and support long-term ecological sustainability across the streetscape.



AL AIN FAYDA DEVELOPMENT ZONE 1 & 2

AL AIN, UAE

Client

Barary Ain Al Fayda
Development LLC

Employer

KN International

Cost

AED 96 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Barary Ain Al Fayda Development LLC required design review and site supervision of roadworks and infrastructure at Barary, Ain Al Fayda Phase 2, Zone 1 and Zone 2 - Area B, near Al Ain.

The scope covers Peer Review and Construction Site Supervision Services, acting as the engineer through construction and the defects notification period under the FIDIC Conditions of Contract for Plant and Design-Build, First Edition 1999.

Concept/Strategy

The project centres on constructing new road works and supporting infrastructure across the Barary development's two zones, drawing on architectural, structural and engineering competency for peer review of the design.

Supervision continues through close-out of construction, ensuring the roads and infrastructure are delivered and defects resolved in line with the project's FIDIC-based contract requirements.



SITE SUPERVISION FRAMEWORK AGREEMENT

ABU DHABI, UAE

Client

Ethara Sole
Proprietorship LLC

Employer

KN International

Cost

TBA

Scope

Supervision

Status

Completed



Project Brief

Ethara, operator of the Yas Marina Circuit and venue for the Abu Dhabi Formula 1 Grand Prix, required a three-year framework agreement for on-call engineering, supervision and assistance services.

The agreement covers a wide 2022-plan programme of works, from refurbishment of existing buildings to new small and medium construction, renovations and facility expansions, deploying qualified resources as Ethara's workload demands.

Concept/Strategy

The on-call team works in close coordination with Ethara's FM and project end-user staff, commissioning build and design-and-build contractors and designers as each project requires.

Core services span design review, site supervision and scope-of-works development, scaled up or down flexibly across the varying number and size of concurrent Ethara projects.

RAINWATER DRAINAGE NETWORK IN AL SILA PHASE 3

ABU DHABI, UAE

Client

Department Of Municipalities And Transport (DMT)

Employer

KN International

Cost

TBA

Scope

Design and Supervision

Status

Ongoing



Project Brief

The Department of Municipalities and Transport required design, cost consultancy and construction supervision of the Stormwater Drainage Network in Sila City - Phase 3, addressing recurring flooding and ponding across the development.

The scope covers CD, PD, DD, TD and Supervision stages, delivering a sustainable subsoil drainage system at Ras Mushaireb Street, Baia Sila Farms Area, the Old Sila Industrial Area and the adjoining asphalt road near the farms.

Concept/ Strategy

The design introduces a sustainable stormwater drainage system engineered to resolve chronic flooding and ponding across Sila City - Phase 3, tailored to each affected location's ground conditions and existing road network.

Construction supervision runs alongside design delivery, with close coordination among all stakeholders and authorities to ensure the finished drainage network functions reliably once built and handed over.

PRESSURE MANAGEMENT - ER AND ADF SECTORS

ABU DHABI, UAE

Client

Abu Dhabi Distribution Company (TAQA Distribution)

Employer

KN International

Cost

TBA

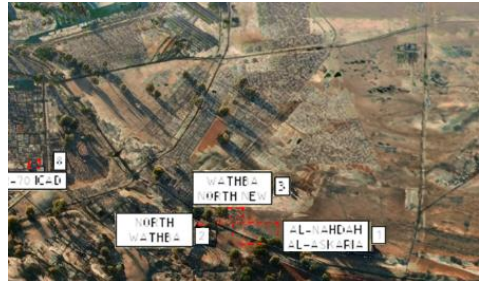
Scope

Design and Supervision

Status

Ongoing

This project was awarded to our Infrastructure Partner



Project Brief

TAQA Distribution required pressure management in selected sectors of ER and ADF, addressing recurring high-pressure issues that have caused repeated system failures.

Through the CD, PD, DD, TD and Supervision stages, the project seeks to enhance system reliability and operational efficiency across the affected TAQA Distribution network sectors.

Concept/ Strategy

The design installs and upgrades control valves to manage pressure and flow, centred on 16 new PRVs complete with all necessary civil, mechanical and instrumentation & control works.

Additional isolation valves and new chambers support the network, with civil/structural, piping and electrical works concluding in commissioning of every installed valve.

AL AIN IMPROVEMENT WORKS

ABU DHABI, UAE

Client

Abu Dhabi Transmission
Company (TAQA
Transmission)

Employer

KN International

Cost

TBA

Scope

Design and Supervision

Status

Ongoing

This project was awarded to our Infrastructure Partner



Project Brief

TAQA Transmission required, under N-20089, a study of water-supply security for Al Ain, recommending new interconnections and isolation/control valves to improve system security, flexibility and redundancy.

The consultancy is split into two lots: modification/replacement works at existing Connection Points, and connection/segmentation works for existing Al Ain Transmission Pipelines.

Concept/ Strategy

Lot 1 covers site surveys, investigations, optioneering, preliminary and final design, EPC tender documentation, tendering, bid evaluation and site supervision during construction and warranty.

Lot 2 covers site surveys, investigations, optioneering, feasibility studies, preliminary and final design and constructability studies, culminating in EPC tender document preparation.

RESIDENTIAL PLOTS, ZAYED CITY

ABU DHABI, UAE

Client

ITAL Consult

Employer

KN International

Area

205,584 sqm

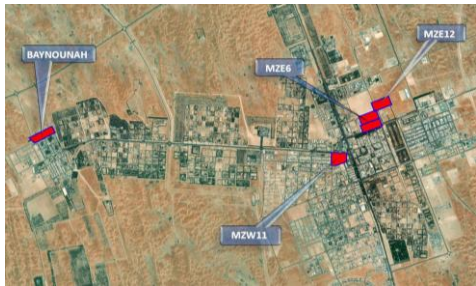
Scope

Design

Status

Ongoing

This project was awarded to our Infrastructure Partner



Project Brief

The project enhances key sectors of Madinat Zayed through upgrades to streetscapes, utilities, and public infrastructure, with Ital Consult appointing KN International to lead the design across roadworks, drainage, landscape and irrigation, and street lighting.

The scope also covers electrical network upgrades, sewerage improvements, road furniture, and utility protection and relocation works, supporting the area's long-term development and sustainability.

Concept/ Strategy

The design integrates streetscape and irrigation network design across all four sectors, giving each residential community a consistent, landscaped public realm.

Electrical network and substation design, and sewerage network design, complete the utility package, with the required NOCs and authority approvals also secured.



YAS MARINA CIRCUIT MEP UPGRADE

YAS ISLAND, ABU DHABI

Client

Ethara Sole
Proprietorship LLC

Employer

KN International

Cost

AED 25 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Yas Marina Circuit, venue for the Abu Dhabi Grand Prix, is the second Formula One track in the Middle East, situated on Yas Island about 30 minutes from Abu Dhabi city.

Ethara commissioned a detailed site survey of identified defects and a design and specification for a contractor to repair them, including site supervision.

Concept/Strategy

The scope covered the potable water pumping station, fire fighting pumping station, and chilled water network across the circuit.

Team building kitchen ventilation upgrades completed the MEP scope, with on-site supervision through to completion.



ETHARA HEADQUARTERS GROUND FLOOR UPGRADE

ABU DHABI, UAE

Client

Yas Marina Circuit (YMC)

Employer

Ethara

Cost

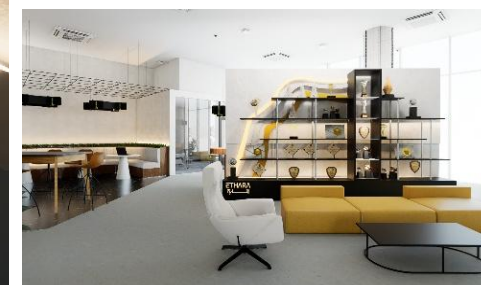
AED 8 Million

Scope

Design

Status

Completed



Project Brief

The project enhances the Ground Floor by improving the functionality, spatial quality, visual identity, and overall user experience of the existing coffee and reception areas.

Two design options were developed to give the Client varying levels of intervention, both integrating seamlessly with the building's existing architectural and interior language.

Concept/Strategy

The concept reimagines the Ground Floor as a vibrant, multifunctional social hub that encourages collaboration, informal meetings, and everyday interaction, using a neutral palette with warm wood accents.

Integrated greenery, a distinctive feature ceiling with decorative lighting, and flexible seating create a welcoming, high-energy atmosphere that complements the building's interior identity.



ETHARA HEADQUARTERS - STAIR UPGRADE

ABU DHABI, UAE

Client

Yas Marina Circuit (YMC)

Employer

Ethara

Cost

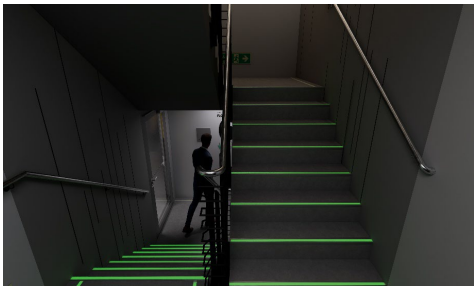
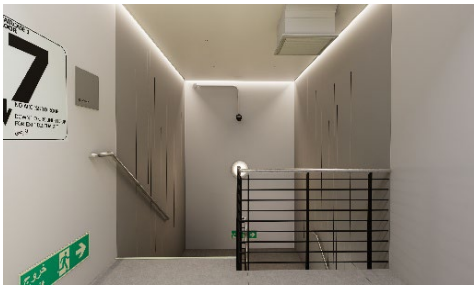
AED 8 Million

Scope

Design

Status

Completed



Project Brief

The Ethara Headquarters at Yas Marina Circuit includes two fire-exit staircases serving the lobby, office floors, and roof deck; this project upgrades both with a permanent solution to enhance user experience, efficiency, and accessibility.

The consultancy scope spans concept and schematic design across architecture, structure, and lighting, plus specifications, BOQs, tender documents, and construction-phase compliance review and handover support.

Concept/Strategy

The fire exit design complements the modern industrial character of the existing headquarters through linear and geometric wall accents that echo the building's established aesthetic.

All materials are selected to comply with ADCD requirements, ensuring the upgraded staircases deliver both safety and aesthetic integration with the surrounding architecture.



REEM HILLS PHASE 1&2 GUARDHOUSE

AL REEM ISLAND, ABU DHABI

Client

Modon

Employer

Barari Natural Resources
LLC

Area

62 sqm

Scope

Design

Status

Completed



Project Brief

The scope covers four guardhouse buildings on Reem Hills Phase 1, Al Reem Island, including architectural, MEP, and structural design, plus footing design for an adjacent bulking station.

Each guardhouse has a built-up area of 12.38 sqm, with the bulking station covering a further 11.5 sqm, together totaling the project's compact 62 sqm footprint.

Concept/Strategy

The guardhouse layout prioritizes maximum visibility for security personnel, with window placement calibrated for optimal sightlines throughout the day, strengthening surveillance effectiveness and situational awareness on site.

Set between residential villas, each guardhouse's external finishes and material palette are matched to the adjacent villas, achieving visual continuity while balancing day-to-day functionality and comfort.

SOIL IMPROVEMENT FOR TRACK MODIFICATION WORKS AT YMC

ABU DHABI, UAE

Client

Ethara Sole
Proprietorship LLC

Employer

KN International

Cost

AED 25 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Ethara required a survey of defects identified at Yas Marina Circuit, venue of the Abu Dhabi Grand Prix on Yas Island, and design and specifications for a contractor to repair them.

Through CD, PD, DD, TD and Site Supervision, the appointed contractor's works on site are also supervised, covering the potable water and firefighting pumping stations, the chilled water network and kitchen ventilation.

Concept/Strategy

The repair design responds directly to defects found during the detailed site survey, targeting the circuit's core utility systems rather than a single isolated fault.

Scope spans potable water and firefighting pumping stations, a chilled water network and team-building kitchen ventilation, with the contractor's work supervised through to completion.



TRACK MODIFICATION - PROJECT MANAGEMENT

YAS ISLAND, ABU DHABI

Client

Ethara Sole
Proprietorship LLC

Employer

KN International

Cost

AED 42 Million

Scope

Project Management

Status

Completed



Project Brief

Yas Marina Circuit (YMC), venue for the Abu Dhabi Formula 1 Grand Prix, sought to enhance overtaking opportunities and bring more challenge and excitement to the circuit and spectators.

The role of Project Management/Quantity Surveyor was undertaken, managing the fast-tracked project throughout all its phases across a parallel group of consultants and contractors.

Concept/Strategy

Coordination was led and managed between the Lead Design, Engineer/TC, Track Lighting Contractor, and Soil Improvement Consultant, delivering design outputs on time.

The scope also covered procurement of the Main Contractor, construction and supervision, and commissioning, completion, and handover including final account close-out.



DESIGN MODIFICATION AT REEM HILLS PHASE 1

ABU DHABI, UAE

Client

Modon

Employer

Barari Natural Resources
LLC

Area

1,165,117 sqm

Scope

Design

Status

Completed



Project Brief

MODON, with RDC as Client's Representative, is overseeing the on-going construction of Reem Hills Phase 1, executed by Barrari, with the original KEO design modified at the Client's request.

The IFC landscape package was revised to update parks and open spaces, pedestrian circulation and accessibility, play and fitness areas, and paving strategies, aligned with Estidama PCRS guidelines.

Concept/Strategy

Set on a hillside, the design concept seeks to integrate harmoniously with the natural topography, allowing the built environment to complement the surrounding landscape rather than compete with it.

The approach fosters a culturally vibrant, exclusive gated community, where the revised parks, circulation, and play areas reinforce everyday amenity without compromising the site's natural, hillside character.



PROJECT MANAGEMENT CONSULTANCY

ABU DHABI, UAE

Client

Ethara - Sole
Proprietorship LLC

Employer

KN International

Cost

TBA

Stages

Design

Status

Ongoing



Project Brief

Ethara established a Project Management Consultancy framework agreement, running 3 years, to oversee multiple projects at Yas Marina Circuit, home of the Formula 1 Grand Prix, and other Ethara venues.

The framework spans a diverse range of developments, upgrades and remedial works, including infrastructure enhancements, new construction, expansions, refurbishments, fit-outs and defect rectifications.

Concept/ Strategy

This role runs across every project phase - Initiation, Planning, Execution, and Monitoring & Controlling - ensuring structured delivery aligned with Ethara's strategic objectives at each stage.

The final Handing Over and Defects Liability Period phase closes out each project, with surveys, repairs and defect rectification managed through to formal handover.

BUILDING, UPDATING, & INTEGRATING HYDRAULIC MODELS

ABU DHABI, UAE

Client

Abu Dhabi Distribution Company (TAQA Distribution)

Employer

KN International

Cost

TBA

Scope

Design

Status

Ongoing

This project was awarded to our Infrastructure Partner



Project Brief

TAQA Distribution required the Recycled Water hydraulic model for its integrated network, enabling future planning, risk analysis and identification of system shortcomings.

The scope covers collecting and validating existing TAQA-D data - hydraulic models, reports, demand and supply records and GIS information - supplemented by stakeholder and site-survey data.

Concept/ Strategy

Steady-State and Extended Period Simulation models are built, updated and integrated in WaterGEMS, convertible to EPANET, founded on connectivity schematics of the full network configuration.

Supporting studies include system performance assessment, risk analysis, water balance, zoning and sensitivity analysis, with ongoing technical support to ADDC's recycled water operations.

INFRA WORKS FOR GOVERNMENT RESERVED PLOTS, ABU DHABI

ABU DHABI, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

TBA

Scope

Design

Status

Ongoing



Project Brief

Aldar Projects LLC required a consultant for infrastructure works serving 645 government reserved plots at various locations across Abu Dhabi.

Full design consultancy was delivered through the CD, DD, TD and IFC stages, coordinating with all concerned authorities to achieve a fully functional community.

Concept/ Strategy

The design integrates internal roads, walkways, car parks, entrances, signage and streetscape with the wider Onwani way-finding requirements to create a coherent, navigable community.

Utility scope spans irrigation, stormwater, sewer, potable water, power, telecommunications and firefighting networks, each connected to existing infrastructure and backed by construction supervision.



OVERVIEW OF SEWERAGE WORKS IN ABU DHABI

ABU DHABI, UAE

Client

Abu Dhabi Sustainable Water Solutions Company PJSC (TAQA Water Solutions)

Employer

KN International

Cost

AED 800 Million

Scope

Design and Supervision

Status

Ongoing



Project Brief

New developments across Abu Dhabi Emirate include sewerage infrastructure built by private developers and authorities that must be designed and constructed to TAQA-WS standards before transfer to TAQA-WS ownership.

TAQA-WS required coordination between the responsible Authority, the Developer and its Consultant, and TAQA-WS, covering networks, pumping stations, force mains, treatment plants and vacuum systems.

Concept/ Strategy

Close coordination is maintained with each Developer's Consultant through a staged review process: conceptual and preliminary design, detailed design and tender documents, and tender/bidder clarifications.

The final stage is overview of construction works, ensuring the completed sewerage infrastructure meets ADSWS requirements before it is handed over and transferred into ADSWS ownership.

RV RECREATIONAL CAR PARKING IN AL DHAFRAH REGION

ABU DHABI, UAE

Client

Al Dhafrah Region
Municipality (DRM)

Employer

KN International

Area

5,000 sqm

Scope

Design Review and
Supervision

Status

Completed



Project Brief

DRM sought to provide recreational vehicle car parking across Al Dhafrah Region, along with other miscellaneous scope, at several locations including Mirfa City, Madinat Zayed City, Liwa City, and Silaa City.

AE International together with its Infrastructure partner's role covered design review and supervision, ensuring each parking location was delivered consistently across the region's varied desert sites.

Concept/ Strategy

The RV parking areas are designed as a modern desert getaway that integrates mobility, leisure, and public space design into a single cohesive experience.

A shaded, pedestrian-friendly community setting lets visitors enjoy comfort, scenery, and social engagement, while sustainable, robust design approaches accommodate the UAE climate.



REST HOUSE ACCESS ROADS, DHAFAH

ABU DHABI, UAE

Client

Al Dhafra Region
Municipality (DRM)

Employer

KN International

Cost

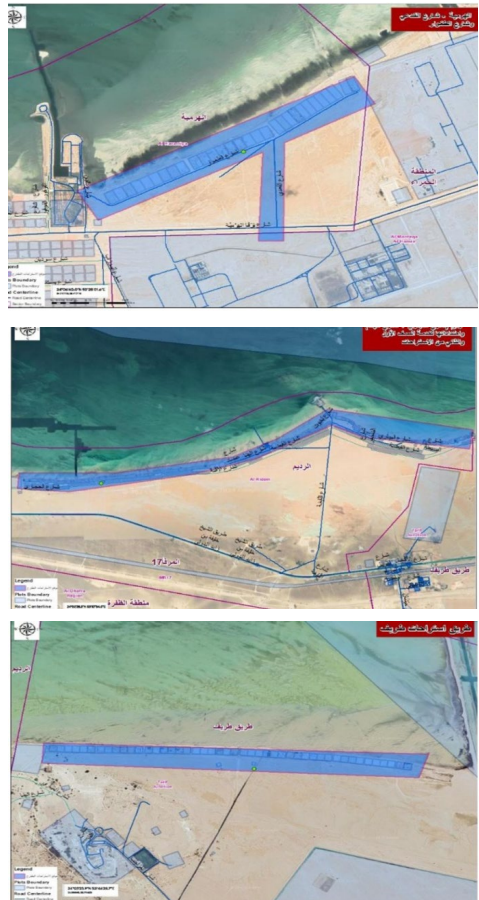
AED 120 Million

Scope

Design and Supervision

Status

Completed



Project Brief

The Department of Municipalities and Transport initiated this project to provide safe, efficient access roads to the coastal rest houses at Al Haramiyah, Al Radeem, Al Shuwaihat and Tarief in Al Dhafrah Region.

Design and supervision were delivered, covering the CD, PD, DD, TD and Supervision stages to ensure high-quality implementation across all four locations.

Concept/Strategy

The design provides approximately 28 km of roads with full pavement design, street lighting, pedestrian crossings and associated infrastructure services connecting each rest house to the wider network.

A traffic and safety audit informed miscellaneous works including traffic detours, road geometry and surface-drainage modifications, service protection and traffic relocation during construction.

NETWORKS & SUPERVISION, AL AIN

ABU DHABI, UAE

Client

Abu Dhabi Distribution Company PJSC (TAQA Distribution)

Employer

KN International

Cost

TBA

Scope

Supervision

Status

TBA

This project was awarded to our Infrastructure Partner



Project Brief

TAQA-D initiated this consultancy to study and design new water network developments across Al Ain Region, addressing population growth while enhancing assets, sustainability, safety and operational security.

Drawing on experience with TAQA-D and expertise in water infrastructure, design review and construction supervision are carried out, including supervision during the maintenance period.

Concept/Strategy

The scope covers miscellaneous new-development areas across Al Ain, combining minor design review with site supervision of civil works, instrumentation and pipe network installation.

Site supervision also extends to replacement of existing network sections and minor connections, with supervision services continuing through the project's warranty period.



DESIGN OF INFRA FOR KEZAD - AREA A - PHASES 1E & 1F

ABU DHABI, UAE

Client

Abu Dhabi Ports Company
(ADPC)

Employer

KN International

Cost

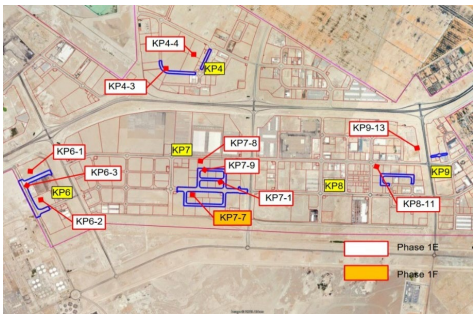
AED 127 Million

Scope

Design

Status

Completed



Project Brief

AD Ports required, under contract 2200-103, design of the infrastructure for KEZAD Area A - Phase 1E, covering completion of infrastructure in Areas KP4-3, KP4-4, KP6-1, KP6-2, KP6-3, KP7-1, KP8-11A and KP9-13.

The design stages covered CD, PD, DD, IFC and Tender Support, delivering internal roads connecting to the existing network together with all supporting utility infrastructure.

Concept/Strategy

The design connects new internal roads to the existing road network while integrating street lighting, power, potable water, stormwater and combined wastewater systems across all designated plot areas.

Telecommunication ducting, irrigation and MCC ducts were incorporated where applicable, with the design coordinated to secure NOCs and approvals from all relevant authorities.

SHAMS REEM - PLOT S5-C26_C27 UTILITIES RELOCATION

ABU DHABI, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

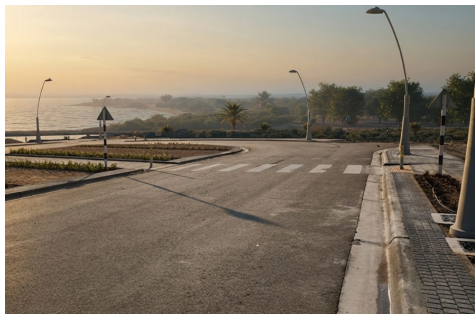
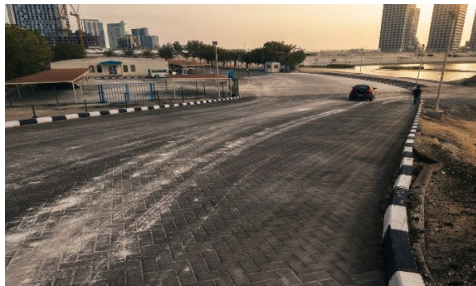
TBA

Scope

Design

Status

TBA



Project Brief

Aldar Projects LLC awarded AE International together with its Infrastructure partner the design of a road extension and infrastructure works for Plot S5-C26/C27, Al Reem Island, Shams.

The scope covers site investigations, tests, material supply, and securing all construction NOCs and permits from the relevant agencies and authorities.

Concept/Strategy

The design clears the plot of existing utilities, and removes, relocates or protects stormwater, irrigation, streetlighting, water, power, telecoms, sewerage, district cooling and gas networks as needed.

NOC, route and corridor approvals are also secured, and tender documents prepared, with the plot developer separately handling tie-in connections and internal roads.

AL RAHA BEACH PRECINCT

ABU DHABI, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

AED 59 Million

Scope

Design

Status

Completed



Project Brief

Aldar Properties PJSC required Design Consultancy services, including Construction Tender Documents and design approvals/NOCs, for the Al Raha East Road and Infrastructure Project.

Al Raha Beach spans 5km along Sheikh Maktoum Bin Rashid Road (E10), positioned as the new gateway to Abu Dhabi City, with road and infrastructure construction already well underway.

Concept/Strategy

The scope covers modifications to existing link roads and junctions, incorporating roads, cycle tracks, signage and wayfinding, and storm water drainage.

Street lighting, traffic signals, utility protection and relocation, and public realm hard and soft landscaping complete the ROW cross-section upgrades.



WATERLINE DN800 CONNECTION, REEM HILLS

ABU DHABI, UAE

Client

Reem Hills - Sole
Proprietorship L.L.C

Employer

KN International

Cost

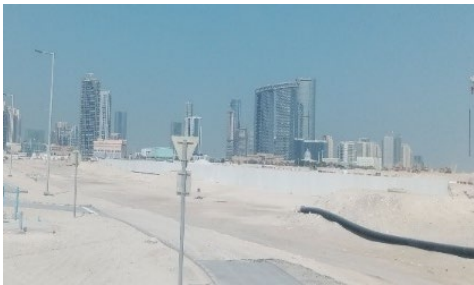
AED 27 Million

Scope

Design

Status

Completed



Project Brief

TAQA Distribution directed, on behalf of Reem Hills, design of a DN800mm waterline connecting the TAQA-Transmission DN1200mm main to the regional DN800mm line serving Reem Island.

The works form part of the essential infrastructure funded by the Al Reem Island Essential Infrastructure Committee (ARIEIC), supporting a development planned for over 200,000 residents.

Concept/Strategy

The design revalidates the integrated hydraulic study for the entire island and confirms the interface connection with the existing TRANSCO DN1200 waterline.

The scope also covers a surge study, a water quality study, and all associated civil, electro-mechanical, instrumentation and telecommunication works.



380 COMMERCIAL VILLAS - INFRA WORKS, AL AIN FAYDA

AL AIN FAYDA, AL AIN

Client

Modon

Employer

KN International

Cost

AED 50 Million

Scope

Design

Status

Completed



Project Brief

Modon required quantity surveying services on the sewerage network rectification for Zone 1, 380 Commercial Villas, Al Ain Fayda.

The scope covers commercial evaluation and benchmarking of the contractor's bid, plus interim and final payment certification through to account close-out.

Concept/Strategy

Handing-over documentation is reviewed across roads, stormwater, water, power and streetlighting, with coordination with authorities on asset handover.

The scope also includes review of as-built drawings and GIS, warranty and O&M manuals, and site inspections required by the authorities.



MULTIDISCIPLINARY CONSULTANT

ABU DHABI, UAE

Client

Department of Culture and Tourism (DCT)

Employer

KN International

Cost

AED 50 Million

Scope

Design and Supervision

Status

Ongoing



Project Brief

The Department of Culture and Tourism (DCT) established a framework agreement covering design, rendering, technical support and project management across Abu Dhabi.

Individual work orders define the scope, budget and requirements for each assignment issued under the agreement, drawing on a full range of services.

Concept/Strategy

The available services span multidisciplinary master planning, transportation and infrastructure, architectural and interior design, and technical review.

Electro-mechanical engineering, site supervision, project management, contract administration and cost consultancy can also be provided as required.



ADDITIONAL PUMPING CAPACITY AT MUSSAFAH

ABU DHABI, UAE

Client

Abu Dhabi Transmission
And Despatch Company
(TRANSCO)

Employer

KN International

Cost

AED 250 Million

Scope

Design and Supervision

Status

Ongoing

This project was awarded to our Infrastructure Partner



Project Brief

TAQA Transmission required consultancy services to add pumping capacity at Mussafah Pumping Station, which serves Mussafah, Al Wathba and Abu Dhabi Island via its Lot D and Lot F pump groups.

The upgrade responds to rising demand across ICADs, MBZ City and Rabdan, and compensates for supply following the decommissioning of the UAN plant.

Concept/ Strategy

The design adds 24 MIGD of capacity to Lot-F and 15 MIGD to Lot-D, along with 1.40 km of new DN1600 transmission line linking the pump station to the existing network.

The scope also includes piping to bypass the Mussafah tank farm and all associated civil, electro-mechanical, instrumentation and telecommunication works.

INFRA WORKS - REEM HILLS PHASE 1

ABU DHABI, UAE

Client

Reem Hills – Sole
Proprietorship LLC

Employer

KN International

Cost

AED 30 Million

Scope

Design

Status

Ongoing



Project Brief

Reem Hills appointed AE International together with its Infrastructure partner to deliver detailed design and issue-for-construction documentation for miscellaneous infrastructure at Reem Hills Phase 1, Reem Island, Abu Dhabi.

Phase 1 comprises the southern portion of the gated community, with about 680 residential units across a mix of villas, townhouses and semi-detached villas.

Concept/Strategy

The scope covers detailed design of the irrigation pumping station, potable water pumping station, sewerage minor lifting station and 24 electrical distribution substations.

The work also includes relocating an existing substation and preparing IFC documents and construction support through to delivery.



STORMWATER NETWORK AT AL SILAA PHASE 2

ABU DHABI, UAE

Client

Al Dhafra Region Municipality (DRM)

Employer

KN International

Cost

AED 53 Million

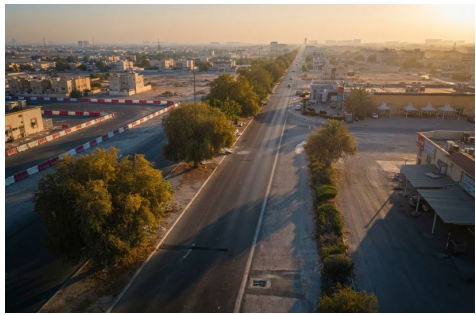
Scope

Design and Supervision

Status

Completed

This project was awarded to our Infrastructure Partner



Project Brief

Al Dhafra Region Municipality (DRM) required design of an efficient stormwater drainage system for areas of Al Sila'a City affected by ponding and flooding.

The project covers existing residential units, community facilities, road networks and infrastructure utilities, coordinated alongside the parallel Aldar Infill Plots works.

Concept/ Strategy

The design delivers a sustainable stormwater drainage system for Sila'a City (Phase 2), addressing flooding and ponding across the developed area.

The scope also includes construction supervision, ensuring full coordination among stakeholders and authorities through to a fully functional network.

STORMWATER NETWORK IN DALMA ISLAND

ABU DHABI, UAE

Client

Al Dhafra Region Municipality (DRM)

Employer

KN International

Cost

AED 79 Million

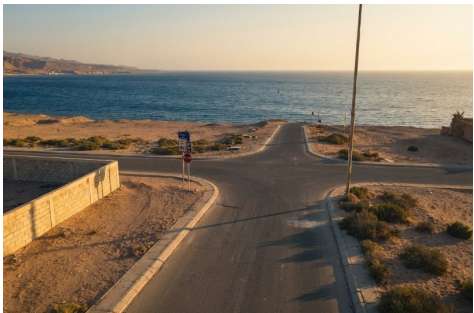
Scope

Design and Supervision

Status

Completed

This project was awarded to our Infrastructure Partner



Project Brief

Al Dhafra Region Municipality (DRM) required design of an efficient stormwater drainage system for areas of Dalma Island affected by ponding and flooding.

The project follows a Design, Bid and Build model, covering all studies, tests, designs, NOC and approval submissions, plus construction support and site supervision.

Concept/ Strategy

The system was designed for full coordination with the parallel Infill Plots stormwater works being delivered under MUSANADA, avoiding conflicts across the shared project area.

The scope delivers a sustainable stormwater drainage system together with construction supervision, ensuring the network functions fully across all stakeholders and authorities.

DANET ABU DHABI DEVELOPMENT

ABU DHABI, UAE

Client

Modon

Employer

KN International

Cost

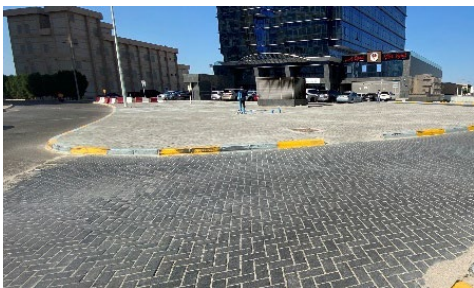
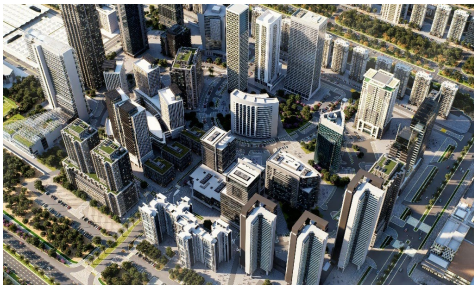
TBA

Scope

Design

Status

Completed



Project Brief

Modon, through design-and-build contractor Gulf Dunes, required a Design Consultant to prepare the infrastructure and landscape design for continued Public Realm improvement at Danet, Abu Dhabi.

The Site Investigation, PD and DD stages cover road works, a cycle track, traffic signals, power distribution and street lighting alongside a stormwater network, landscape and irrigation network.

Concept/ Strategy

The design raises Danet's public realm to a higher standard of construction, aiming to escalate liveability and better serve the community in line with Q Holding's vision.

Utility and public-realm elements - roads, cycle track, signals, lighting, stormwater, landscape and irrigation - are coordinated as one package in compliance with the Authority's requirements.



INFRASTRUCTURE FACILITIES AT DELMA INDUSTRIAL AREA

AL DHAFRAH REGION, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

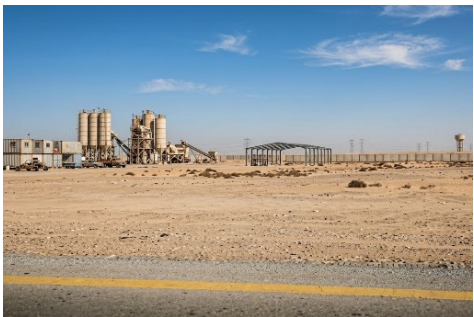
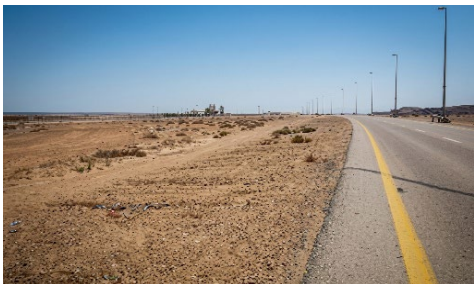
TBA

Scope

Design and Supervision

Status

Completed



Project Brief

The Department of Municipalities & Transport (DMT) - Al Dhafrah Region Municipality (DRM) envisioned continuous improvement of the City of Al Dhafrah through high-quality roads, infrastructure, and public realm developments.

The Consultancy Services were awarded through Aldar, responsible for five major design milestones including all authority approvals, NOCs, permits, and client approvals.

Concept/ Strategy

The scope covered road works, a cycle track, power distribution, street lighting, and telecommunication networks across the industrial area.

Potable water, sewerage, and stormwater networks were coordinated with landscape and irrigation design, plus a solid waste management system for the completed development.



WATER SUPPLY EZBA PLOTS IN DALMA - AL DHAFFRA REGION

ABU DHABI, UAE

Client

Abu Dhabi Distribution
Company PJSC (TAQA
Distribution)

Employer

KN International

Cost

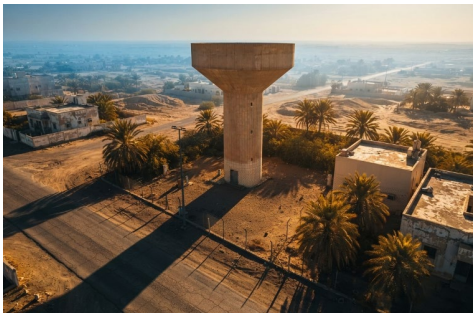
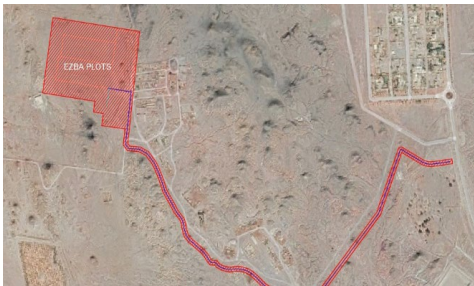
AED 7.3 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Abu Dhabi Distribution Company PJSC (TAQA Distribution) required design of the potable water supply network for 42 Ezba plots on Dalma Island, Al Dhafra Region, under Contract No. D-110732.

Liaison with DRM and TAQA/ADDC confirmed future demand of 0.3 MIGD, covering roughly 2.4 km of feeder pipeline and 2.1 km of internal network.

Concept/Strategy

The civil design covers all valve chambers, thrust blocks, protection slabs and road crossings needed to support the pipework and its appurtenances.

The available tie-in connection options were also studied, including the design of the required valves and control accessories for the network.

WATER SUPPLY EZBA PLOTS IN LIWA - AL DHAFRA REGION

ABU DHABI, UAE

Client

Abu Dhabi Distribution
Company PJSC (TAQA
Distribution)

Employer

KN International

Cost

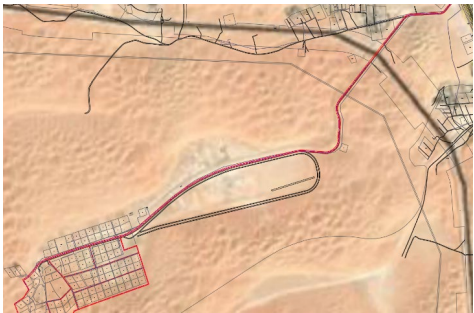
AED 18 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Abu Dhabi Distribution Company PJSC (TAQA Distribution) required design of the potable water supply network for the new Ezba plots in the Liwa area, under Contract No. D- 110815.

Coordination with DRM, TAQA and ADDC confirmed future water demand of 0.052 MIGD, covering around 16 km of DN150-DN300 pipelines and their appurtenances.

Concept/Strategy

The design connects the new network to the existing DN400 pipeline and all required valves and control accessories, extending coverage to every plot and customer connection in the area.

The scope also includes all associated civil, mechanical, electrical and instrumentation works, concluding with hydraulic pressure testing and commissioning of the completed network.

COMMERCIAL DISTRICT PHASE 1, MADINAT ZAYED

AL DHAFRAH REGION, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

AED 57 Million

Scope

Design

Status

Completed



Project Brief

Al Dhafra Region Municipality (DRM) is providing roads and infrastructure for Commercial District Phase 1 in Madinat Zayed, with the scope covering validation, completion, and approvals for the design and tender documents.

The streetscape scope spans the design of soft and hardscape, shading, and furniture, carrying the project through Concept, Preliminary, and Detailed Design to Construction Documents and IFC.

Concept/Strategy

The natural sand ripples of nearby dunes inspired the site's landscape lines, helping the design blend with its desert surroundings while celebrating the area's heritage and identity.

Circles and geometry symbolize the Emirates' connection to the world, giving the material palette a playful, interesting character; red furniture accents add a further sense of joy and festivity throughout.

ROADS & INFRA WORKS - MADINAT ZAYED (SECTOR 20 & 22)

AL DHAFRAH REGION, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

AED 279 Million

Scope

Design

Status

Completed



Project Brief

Al Dhafra Region Municipality (DRM), with Abu Dhabi Housing Authority (ADHA), initiated infrastructure and internal roads for Madinat Zayed Sector 20 & 22, with Aldar Properties as employer.

AE International together with its infrastructure partner was appointed to design the landscape scope, including review and revalidation of the previous design plus softscape, hardscape, and furniture per the latest authority standards.

Concept/Strategy

The design draws on the linear and diagonal patterns of Mashrabiya, a geometric motif widely used across the UAE and MENA region, symbolizing cultural continuity and a sense of infinity.

Geometrical and linear patterns give the streetscape an attractive, engaging character while using a standard material palette that promotes easier installation compared with organic forms.



MANARAT AL SAADIYAT ENERGY CENTER RELOCATION & ENHANCEMENT

ABU DHABI, UAE

Client

Department Of Culture
And Tourism (DCT)

Employer

KN International

Cost

TBA

Scope

Design and Supervision

Status

Design – Completed
Supervision – Ongoing



Project Brief

DCT Abu Dhabi required relocation of the existing energy centre at Manarat Al Saadiyat, clearing the site earmarked for the relocated Expo 2020 Egyptian Pavilion, planned as an annex serving the adjacent buildings and future development.

The scope runs from concept design through Information for Construction, tendering, permitting and site supervision to completion, keeping Manarat Al Saadiyat's art works, operations and public experience uninterrupted throughout construction.

Concept/Strategy

The design relocates redundant and active energy centre services to an optimum position within the plot, re-energising them to continue serving Manarat Al Saadiyat while freeing the site for the Expo Pavilion.

A phased transition between permanent and temporary services and back again is planned, coordinating closely with DCT and its business partners so construction proceeds without disrupting the campus.



AL HAMRA INDUSTRIAL ZONE 1 & 2

RAS AL KHAIMAH, UAE

Client

Ras Al Khaimah Economic
Zone (RAKEZ)

Employer

KN International

Area

967,329 sqm

Scope

Design

Status

Completed



Project Brief

Al Hamra Industrial Zone (AHIZ) is a well-established industrial area northwest of Ras Al Khaimah; as part of its continuous development, AE International together with its Infrastructure partner was assigned to re-calculate the landscape design per the approved masterplan.

The scope also included assisting the irrigation team with detailed calculations, alongside providing the full detailed design of every roundabout across both Zone 1 and Zone 2.

Concept/Strategy

Beyond xeriscape planting, the roundabout designs draw on geometric patterns and symbols relevant to the UAE and Ras Al Khaimah, using natural materials like gravel, rocks, and planting to reflect the emirate's authentic, nature-driven character.

One roundabout design draws on the Mashrabiya pattern, a geometric motif especially prominent in UAE culture, reinforcing a sense of place across the zone's public realm.



REHABILITATION OF PS & NETWORK PHASE 1 - AL DHAFRA REGION

AL DHAFRA REGION, UAE

Client

Abu Dhabi Sustainable
Water Solutions PJSC
(TAQA Water Solutions)

Employer

KN International

Cost

AED 110 Million

Scope

Supervision

Status

Ongoing



Project Brief

TAQA-WS identified the need to rehabilitate ageing pumping stations and sewer networks in its Al Dhafra Region, awarding the consultancy services for Phase 1, covering Madinat Zayed, Al Marfa and Liwa.

Delivered under Contract O-15015 through CD, PD, DD, TD and IFC stages, the project forms part of TAQA-WS' master plan strategy to optimise asset performance and extend service life.

Concept/Strategy

The scope upgrades and rehabilitates sewage pumping stations and gravity sewerage networks, sized against the physical and hydraulic conditions specific to each of the three towns.

In Liwa, the works extend to rehabilitating septic tanks and connecting them to the sewer network, bringing outlying properties onto the reticulated system.

BAYA SILAA STREETSCAPE

AL DHAFRAH REGION, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

AED 65 Million

Scope

Design and Supervision

Status

Design - Completed
Supervision - Ongoing



Project Brief

Abu Dhabi Housing Authority (ADHA), with the Department of Municipalities & Transport's Al Dhafra Region Municipality (DRM), is providing infrastructure and internal roads for new lands in Baya Sila'a, Al Dhafrah Region.

AE together with its Infrastructure partner was assigned to design the project's streetscape, covering both soft and hardscape across the new development's internal road network as it advances through construction.

Concept/Strategy

The design concept draws on the linear and diagonal patterns of Mashrabiya, a geometric motif especially prominent in UAE culture, to shape the streetscape's overall visual language.

Strips of gravel set between softscape areas make the Mashrabiya-inspired pattern more visible and clearly defined, reinforcing the concept across the length of the streetscape.

COST REIMBURSEMENT - ZONESCORP IN RAHAYEL CITY

ABU DHABI, UAE

Client

Abu Dhabi Distribution
Company PJSC (TAQA
Distribution)

Employer

KN International

Cost

AED 35 Million

Scope

Design

Status

Completed



Project Brief

TAQA-D required due diligence and overview of the power distribution network in Rahayel City (ICAD-V) Area 2 & 3, comprising 33/11kV package substations and LV infrastructure.

The review evaluates financial payments against constructed assets, verifying conformity of the built network with the project's scope and ADDC's specifications.

Concept/Strategy

The review covers the detailed design report, tendering process, contractor documents, work plan and construction procedures, and as-built drawings against the approved civil design for the distribution substations.

The review also validates material supply and installation costs against market rates and assesses the contract's technical and commercial standing before final payment.

RW SUPPLY TO VIP FARMS, AL WATHBA

ABU DHABI, UAE

Client

Abu Dhabi Distribution
Company PJSC (TAQA
Distribution)

Employer

KN International

Cost

TBA

Scope

Design and Supervision

Status

Completed



Project Brief

Following a request from HH Sheikh Mansour Bin Zayed Al Nahyan Private Office, ADDC required design and supervision of a recycled water supply extension to VIP farms in Al Wathba, roughly 8km from the nearest RW source.

The scope covers survey, design, tender document preparation, construction supervision and maintenance-period supervision, drawing on established water infrastructure planning and design experience with ADDC.

Concept/Strategy

The design centres on an approximately 8km DN700 ductile iron pipeline from the connection point to the premises' reservoir site, sized against a projected future demand of 7.0 MIGD. Scope also covers valves, chambers, fittings, anchor and thrust blocks, and all civil, mechanical, electrical, instrumentation and telecom works, commissioned and tested before handover.

SEWERAGE NETWORKS REHABILITATION - AL AIN REGION PACKAGE 1

AL AIN, UAE

Client

Abu Dhabi Sustainable Water Solutions Company PJSC (TAQA Water Solutions)

Employer

KN International

Cost

TBA

Scope

CD, PD, DD, TD, IFC and Supervision

Status

Completed



Project Brief

TAQA-WS identified the need to rehabilitate and replace ageing sewerage assets in Al Ain, requiring delivery of the most efficient rehabilitation scheme based on technical feasibility and economic assessment of the existing network.

Design for construction contract O-14969 was carried out under a related TAQA-WS consultancy contract (O-14154), covering inspection, condition assessment and upgrade of both sewer pipes and manholes.

Concept/Strategy

Multidisciplinary teams use the latest hydraulic simulation and design software to size efficient wastewater schemes against existing conditions and future demand projections.

The scope combines pipe and manhole inspection and condition assessment with targeted rehabilitation or replacement works, restoring network performance under Package 1 of the Al Ain programme.

FLOW MONITORING - WW & RW LINES

ABU DHABI, UAE

Client

Abu Dhabi Sustainable
Water Solutions Company
PJSC (TAQA Water
Solutions)

Employer

KN International

Cost

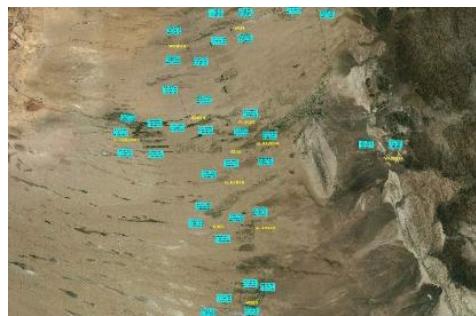
TBA

Scope

Supervision

Status

Completed



Project Brief

As part of TAQA-WS's core strategic plan and DoE licensing requirements, TAQA-WS required identification of works needed to comply with the Wastewater Flow Monitoring Code of Practice across sewerage and recycled water networks.

Construction Supervision, Home Office Support and maintenance-period supervision are provided under Contract O-14655, covering supply, installation, testing, commissioning and certification of Regulated Flow Monitoring Points.

Concept/Strategy

The works equip Regulated Flow Monitoring Points with flow sensing elements, signal conversion, data processing and transmission, power supplies, and associated pipe and civil works.

Monitoring points span Abu Dhabi Region (43 no.), Al Ain Region (38 no.), Al Dhafra Region (70 no.) and a further 44 no. provisional points, giving TAQA-WS emirate-wide compliance coverage.



ASSET ENHANCEMENT SCHEME - AL BAHIA AREA

ABU DHABI, UAE

Client

Abu Dhabi Sustainable
Water Solutions PJSC
(TAQA Water Solutions)

Employer

KN International

Cost

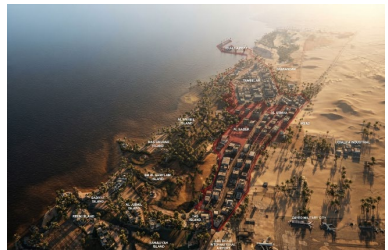
TBA

Scope

Design and Supervision

Status

Design - Completed
Supervision - Ongoing



Project Brief

TAQA-WS initiated the Asset Enhancement Scheme (AES) to meet population growth and future development demands across Abu Dhabi, covering the remaining Area 1 portions upstream of PS 7/13 towards the Abu Dhabi-Dubai border.

The scope runs from Inception Report through Catchment and Hydraulic Study, Investigation, Preliminary and Detailed Design, Value Engineering, Tendering and Construction and Warranty Period Supervision.

Concept/Strategy

The scheme maximises capacity utilisation of AES Area 1's existing network, building on two earlier construction contracts (O-12733 and O-13153) and the latest DMT masterplans for the surrounding islands.

Hydraulic modelling and catchment study underpin the design, ensuring the Al Bahia extension integrates cleanly with the wider AES network rather than duplicating existing capacity.



DMT MASTER PLANNING CALL-OFF SERVICES

ABU DHABI, UAE

Client

Department of Municipalities and Transport

Employer

KN International

Cost

TBA

Scope

Design

Status

Ongoing



Project Brief

This project provides on-call urban planning, infrastructure engineering, and transportation services supporting the Abu Dhabi Department of Municipalities and Transport's (DMT) preparation of various Master Plans.

A long-term framework agreement with AE International together with its Infrastructure partner is held as one of DMT's qualified consultants, delivering services upon issuance of each Task Order.

Concept/Strategy

Services span data collection and analysis, topographical and geotechnical investigations, traffic and parking studies, urban and land use planning, and multi-modal transportation planning.

Design services cover hydraulic and hydrologic studies, utility coordination, power and water network design, landscape and streetscape design, and geometric design of streets, intersections, and roundabouts.

ENGINEERING SERVICES (INFRA WORKS) FRAMEWORK AGREEMENT

ABU DHABI, UAE

Client

Abu Dhabi Ports Company (ADPC)

Employer

KN International

Cost

TBA

Scope

Design

Status

Ongoing



Project Brief

Abu Dhabi Ports Company (ADPC) is mandated to develop and regulate the ports and industrial zones of Abu Dhabi, expanding existing ports and developing new facilities and associated infrastructure across the Emirate.

A long-term framework agreement is held as one of a limited number of qualified consultants providing design and engineering services for ADPC's infrastructure projects upon issuance of a Task Order.

Concept/Strategy

Services span functional requirements and design basis reports, concept and schematic designs, detailed/IFC designs, and topography and grading design across roads, bridges, and interchanges.

The scope also covers storm water, potable and fire water, wastewater, irrigation, electrical, and telecom infrastructure design, plus geotechnical engineering and tender documentation support.



RAHAYEL STORM WATER CONNECTION

ABU DHABI, UAE

Client

Abu Dhabi Ports Company (ADPC)

Employer

KN International

Cost

TBA

Scope

Design

Status

Completed



Project Brief

Abu Dhabi Ports Company required full design consultancy services for the Al Rahayel Storm Water Interconnection Works, aiming for a fully functional, coordinated stormwater system south of Abu Dhabi Island.

Delivered through PD, DD, TD and IFC stages, the project comprises two components integral to the Rahayel City stormwater system, bounded by E-11, Musaffah and MBZ City.

Concept/Strategy

The design coordinates utility ductworks, road crossings, culverts and pump stations with full ADM/TPD approvals, verifying utility demands and securing NOCs from concerned authorities.

Value engineering and optioneering reports, plus approvals from ADNOC/GASCO, support a stormwater system built in cooperation and partnership with the Department and other agencies.



KIZAD CWW NETWORK REHAB DESIGN

ABU DHABI, UAE

Client

Abu Dhabi Ports Company
PJSC (ADPC)

Employer

KN International

Cost

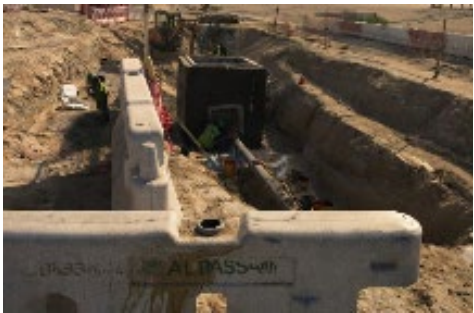
TBA

Scope

Design

Status

Completed



Project Brief

Abu Dhabi Ports Company required consultancy services for the KIZAD CWW Network Study and rehabilitation design under Contract No. 2201-110, investigating high salinity in the network's pump station and manholes.

The scope covers preliminary investigation, catchment study, field salinity monitoring, CCTV reporting, detailed rehabilitation design and tender documentation, ahead of KIZAD handing the sewerage network over to TAQA-WS.

Concept/Strategy

The review evaluated and recommended replacement or rehabilitation across the affected gravity network, having monitored 16 locations for salinity in Stage 1, nine of which exceeded 3,000 ppm.

The rehabilitation design and tender documents are built to be compatible with TAQA-WS' IKIS sewer information system, so future inspection records meet TAQA-WS' standard specification.

FIRE FIGHTING & IRRIGATION RESERVOIR WITH PUMPING STATION

ABU DHABI, UAE

Client

Baniyas Investment & Development Company (BIDC)

Employer

KN International

Cost

TBA

Scope

Design and Supervision

Status

Completed



Project Brief

Baniyas Investment & Development Company required detailed design and supervision services to construct a fire-fighting and irrigation reservoir with pumping station for Bawabat Al Sharq, Baniyas East.

Delivered through PD, DD, TD and IFC stages, the project serves the 108-hectare, three-phase Bawabat Al Sharq development roughly 25km southeast of Abu Dhabi City.

Concept/Strategy

The design follows a pressure survey and relocation of existing fire hydrants, sizing the reservoir and pump station against the development's Concept Master Plan and a dedicated surge analysis.

The scope also covers analysis of existing hydraulic models, tender preparation and management, and construction supervision through to completion of the reservoir and pumping station.

REFURBISHMENT OF MAFRAQ WWTP

ABU DHABI, UAE

Client

Abu Dhabi Sustainable
Water Solutions PJSC
(TAQA Water Solutions)

Employer

KN International

Cost

AED 36 Million

Scope

Design

Status

Completed



Project Brief

Abu Dhabi Sewerage Services Company required consultancy services for the refurbishment and rehabilitation of Al Mafraq Wastewater Treatment Plant, one of Abu Dhabi's three major mainland WWTPs.

The scope runs through PD, DD, TD and IFC stages, upgrading a plant that receives and treats wastewater from Abu Dhabi City and its surrounding mainland catchments.

Concept/Strategy

The refurbishment addresses Phase 1 (commissioned 1982, 104,250 m³/day DWF capacity) and Phase 2 (1997, 156,375 m³/day DWF capacity), improving process control and optimising the plant's overall asset performance.

Combined, the two phases can treat a peak flow of 580,000 m³/day, equivalent to 1,115,000 people, so the refurbishment design safeguards treatment capacity for Abu Dhabi's mainland population.

OVERVIEW OF WASTEWATER WORKS - ABU DHABI & AL DHAFRA REGION

ABU DHABI, UAE

Client

Abu Dhabi Sustainable
Water Solutions PJSC
(TAQA Water Solutions)

Employer

KN International

Cost

AED 810 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Abu Dhabi Sustainable Water Solutions Company required, under Contract O-14358, review of design, coordination and oversight of construction of sewerage systems developed across Abu Dhabi and the Al Dhafra Region.

The contract, running since 2008 and revised to include Saadiyat and Reem Islands, spans design review through construction overview, with dozens of projects completed, ongoing or transferred between contracts as the programme evolves.

Concept/Strategy

This review ensures every sewerage system planned or built by public and private developers meets TAQA-WS's technical standards, regulations and contractual criteria across the Western Region and outlying islands.

Of the projects tracked, most are complete or under construction, a handful remain in detailed design, and several have transferred between contracts O-1269 and O-14358 as TAQA-WS consolidates its consultancy coverage.



DEVELOPING SUSTAINABILITY MAINTENANCE STRATEGY & OUTSOURCING MAINTENANCE

ABU DHABI, UAE

Client

Abu Dhabi Distribution Company PJSC (TAQA Distribution)

Employer

KN International

Cost

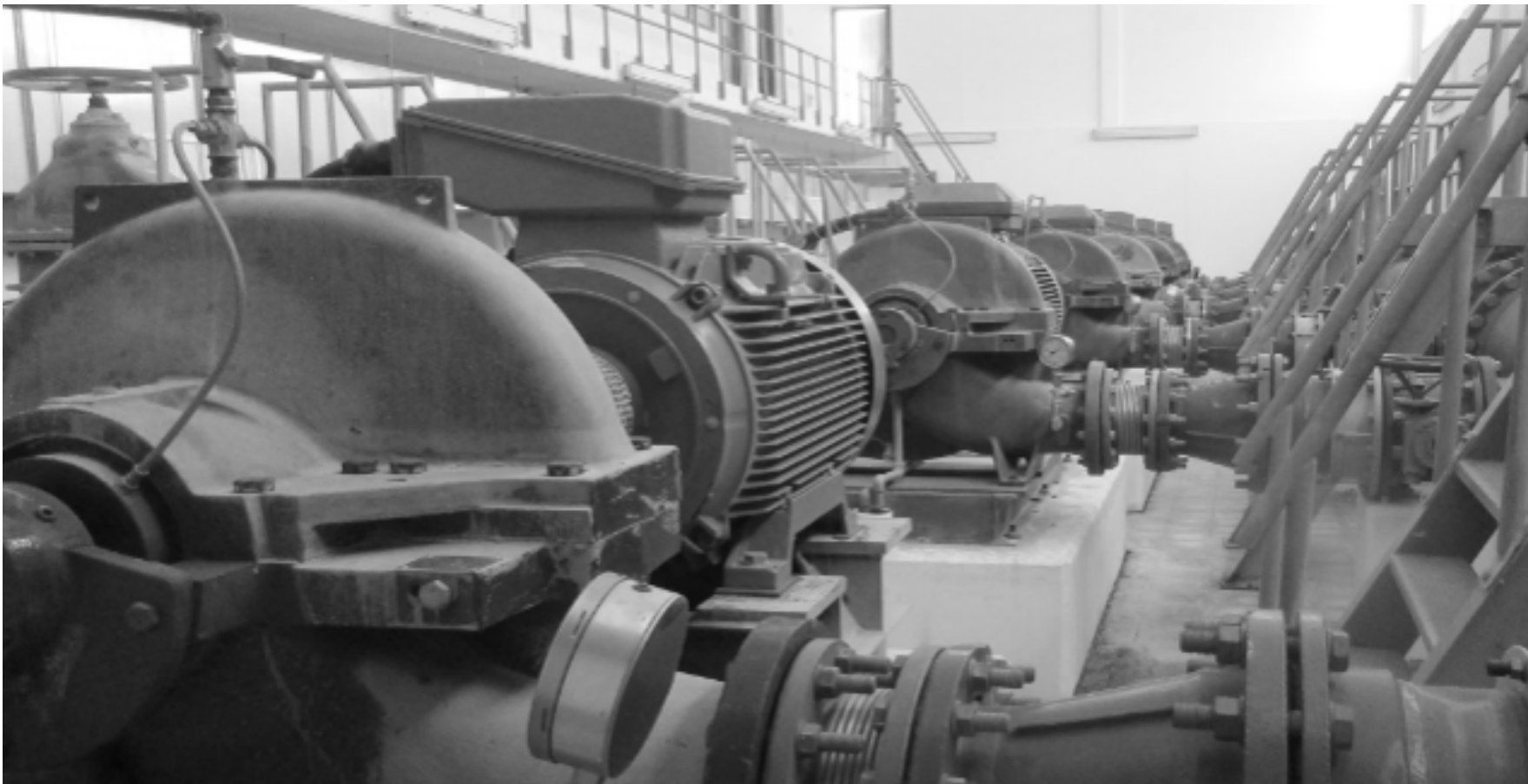
TBA

Scope

Design and Supervision

Status

Completed



Project Brief

TAQA-D required the development of a sustainability maintenance strategy and outsourcing maintenance contracts for water assets across the Central, Eastern and Al Dhafra regions.

The scope covers studying and evaluating current assets, operations and maintenance, then preparing long-term outsourced water asset maintenance contracts aligned with ADDC's performance-driven service objectives.

Concept/Strategy

The strategy targets efficient water usage and reduced capital, operating and life-cycle costs, implementing common planning, operating and maintenance approaches for high-performance, sustainable water infrastructure.

The approach favours cost-effective life-cycle concepts, consensus-based standards and performance measurement, helping ADDC procure new outsourced O&M contracts that deliver continuity of service on a performance basis.

ROADS & INFRASTRUCTURE WORKS - MADINAT ZAYED SECTOR 19

ABU DHABI, UAE

Client

Aldar Projects LLC

Employer

KN International

Area

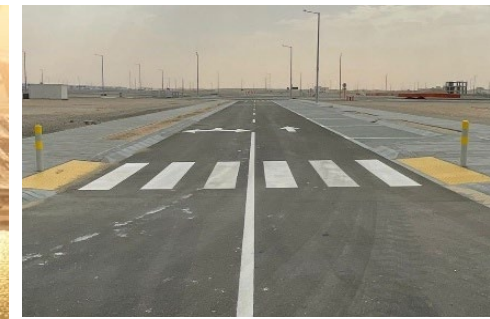
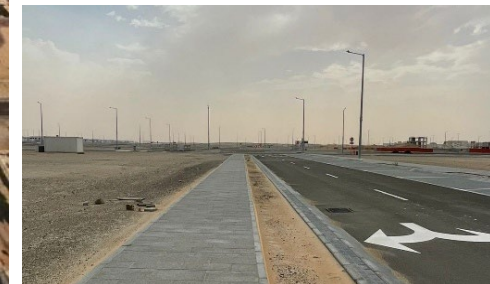
AED 60 Million

Scope

Design and Supervision

Status

Design - Completed
Supervision - Ongoing



Project Brief

Al Dhafrah Region Municipality, together with Aldar Properties, initiated the infrastructure and internal roads development for Madinat Zayed Sector 19 within Al Dhafrah Region, appointing AE International together with its Infrastructure partner for the landscape design scope.

The scope includes the design and coordination of softscape, hardscape, streetscape elements, and urban furniture to create a cohesive, functional, and visually engaging public realm for the community.

Concept/Strategy

The design concept for Madinat Zayed Sector 19 is inspired by the linear and geometric patterns of traditional Mashrabiya and regional architectural elements found across the UAE and MENA region.

Structured geometries and a restrained material palette create a cohesive, functional environment while promoting visual continuity, user comfort, and ease of implementation and maintenance.



ROADS & INFRASTRUCTURE WORKS - BAYNOONAH

ABU DHABI, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

AED 89 Million

Scope

Design and Supervision

Status

Design - Completed
Supervision - Ongoing



Project Brief

Al Dhafrah Region Municipality (DRM), with Aldar Properties, initiated the Baynoonah development as part of the enhancement of public realm and infrastructure within Al Dhafrah Region, appointing AE International together with its Infrastructure partner for the landscape design scope.

The scope covers the review and revalidation of previous design proposals, plus the development of softscape, hardscape, and site furnishing elements in line with the latest authority standards.

Concept/Strategy

The design concept for Baynoonah is inspired by the cultural identity and landscape character of Al Dhafrah Region, integrating clean linear forms and geometrical patterns influenced by traditional Mashrabiya motifs.

A cohesive palette of materials, planting, and urban elements enhances spatial organization and visual identity while maintaining a timeless aesthetic that reflects the character of the UAE.

SILA'A INFILL PLOTS REHABILITATION

SILAA, AL DHAFRAH REGION

Client

Aldar Projects LLC

Employer

KN International

Cost

AED 70M

Scope

Design and Supervision

Status

Completed



Project Brief

Abu Dhabi General Services Company PJSC, trading as Musanada/Aldar Projects LLC, required consultancy services for the rehabilitation of infrastructure works for 104 infill plots at Sila'a.

The objective was to extend, modify, and upgrade all existing utilities, networks, and services for the new plots, including all studies, tests, designs, NOCs, and approvals from every relevant authority.

Concept/Strategy

The scope covered the internal road network, walkways, car parks, entrances, signage and way-finding, streetscape, and street lighting, plus irrigation, storm water, and sewer networks.

Potable water, power distribution, telecommunications, and firefighting networks were also upgraded, with construction supervision services carrying the project through to completion.

MIRFA INFILL PLOTS REHABILITATION

MIRFA, AL DHAFRAH REGION

Client

Aldar Projects LLC

Employer

KN International

Cost

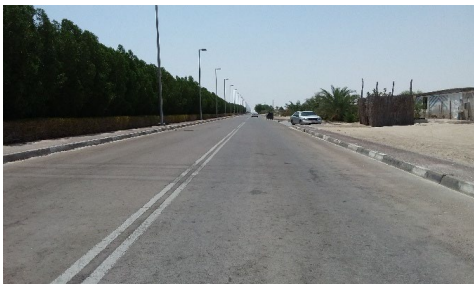
AED 86 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Abu Dhabi General Services Company PJSC, trading as Musanada/Aldar Projects LLC, required consultancy services for the rehabilitation of infrastructure works for 99 infill plots at Mirfa.

The objective was to extend, modify, and upgrade all existing utilities, networks, and services for the new plots, including all studies, tests, designs, NOCs, and approvals from every relevant authority.

Concept/Strategy

The scope covered the internal road network, walkways, car parks, entrances, signage and way-finding, streetscape, and street lighting, plus irrigation, storm water, and sewer networks.

Potable water, power distribution, telecommunications, and firefighting networks were also upgraded, with construction supervision services carrying the project through to completion.

INFRA WORKS - INFILL PLOTS, DELMA

ABU DHABI, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

AED 72 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Aldar Projects LLC, required rehabilitation of infrastructure works serving 53 residential infill plots at Delma Island, in Abu Dhabi's Western Region.

The consultancy runs through CD, PD, DD, TD, IFC and Supervision stages, delivering the civil and utility infrastructure needed to service the infill plots ahead of handover.

Concept/Strategy

The rehabilitation upgrades the existing site infrastructure at Delma to current serviceability standards for the 53 residential infill plots, carrying the design from concept through detailed and tender documentation ahead of construction.

Site supervision oversees the contractor through construction and IFC stages, confirming the rehabilitated roads, utilities and site infrastructure are delivered to specification before handover of the infill plots.



NEW GROWTH AREAS, AL AIN REGION

AL AIN, UAE

Client

Abu Dhabi Distribution
Company PJSC (TAQA
Distribution)

Employer

KN International

Cost

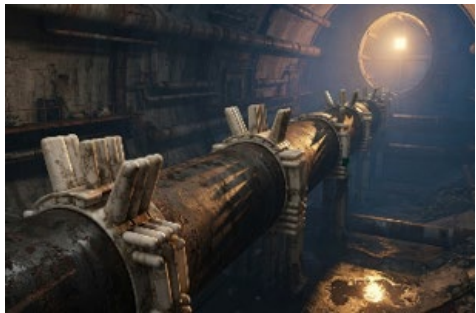
AED 60.6 Million

Scope

Design and Supervision

Status

Completed



Project Brief

TAQA-D required a study and design of new development areas across the Al Ain Region, review of developer project documentation, and site supervision for TAQA-D and developer projects.

The scope runs through design review and construction supervision, including minor design, hydraulic modelling and site supervision for civil works, instrumentation and pipe network replacement, plus supervision during the maintenance period.

Concept/Strategy

The water network design responds to Al Ain's population growth, balancing asset enhancement with environmental sustainability, health and safety, operational security and technical feasibility across all study areas.

Hydraulic modelling underpins the network upgrades, while site supervision covers civil works, instrumentation and pipe replacement, drawing on an established relationship and water infrastructure expertise with AADC.



WATER SUPPLY TO COASTAL AREAS - WESTERN REGION

AL DHAFRAH, WESTERN
REGION

Client

Abu Dhabi Distribution
Company PJSC (TAQA
Distribution)

Employer

KN International

Cost

TBA

Scope

Design and Supervision

Status

Design - Completed
Supervision - Ongoing



Project Brief

Abu Dhabi Distribution Company PJSC (TAQA Distribution) required consultancy services for water supply to coastal areas of Al Dhafrah, Western Region, currently served by tankers due to the lack of a distribution network.

RQD is piping water via interface with TQT's DN 1000 Shuwaihat-Sila transmission pipeline, serving Nad Al Shiba and Mahmiat Al Soqour, while Raa's Mushairab, Al Sila Harbour, and Al Wahidah connect individually to TQD's network from Mina Pumping Station.

Concept/Strategy

TQT's existing 1,000mm x 103.9km transmission pipeline from Shuwaihat to Sila supplies bulk potable water to Ruwais, Hamra camp, ENEC's workers camp, and Sila, with a further tie-in supplying Yasat Al Sufla.

After reconfirming demand with MOPA, ADDC studied connecting Nad Al Shiba and Mahmiat Al Soqour to this line, minimizing TAQA-Transmission interface and maximizing use of TQD's own assets.



HIS HIGHNESS' PRIVATE VILLA

ABU DHABI, UAE

Client

Confidential

Employer

KN International

Area

46,318 sqm

Scope

Design

Status

Completed



Project Brief

This design competition covers the comprehensive master planning of a private villa estate, including architecture, public realm, and supporting infrastructure, merging two existing islands into a single, cohesive development.

The estate balances exclusivity with landscape-driven design, integrating a Main Villa, Spa, Paddle and Tennis Courts, a Swimming Pool, Guest and Escort Villas, Staff Quarters, and back-of-house kitchen and utility buildings.

Concept/Strategy

Inspired by the sea's serenity and the horizon, the villa is composed of floating architectural planes resting gently within the landscape, with strong horizontal forms and transparent living spaces.

Framed views dissolve the line between indoors and outdoors, while water, light, and greenery sequence the arrival, garden courtyards, and waterfront into a timeless, private residence.



INTERNAL ROADS & INFRA FOR EAST BANIYAS

AL DHAFRAH REGION, UAE

Client

Aldar Projects LLC

Employer

KN International

Cost

AED 20 Million

Scope

Design

Status

Completed



Project Brief

AE International Consultancy together with its Infrastructure partner was commissioned by Aldar Properties, through Ital Consult, to provide landscape and irrigation design consultancy services for the revalidation of Internal Roads and Infrastructure Works at East Baniyas Phase II. The scope carries the streetscape design through Concept, Preliminary, and Detailed Design stages to Construction Documents and IFC, as the project proceeds through on-going construction.

Concept/Strategy

Organic lines inspired by the country's desert dunes create a dynamic, flowing vibe, transforming the space into more interesting terrain that breaks the formality and rigidity of the area's urban pattern.

The organic concept also smooths the transition between different site locations, bringing the dynamic impulse of the city center into the heart of the neighborhood.

WATER NETWORK REPLACEMENT, AL DHAFRA REGION

ABU DHABI, UAE

Client

Abu Dhabi Distribution Company PJSC (TAQA Distribution)

Employer

KN International

Cost

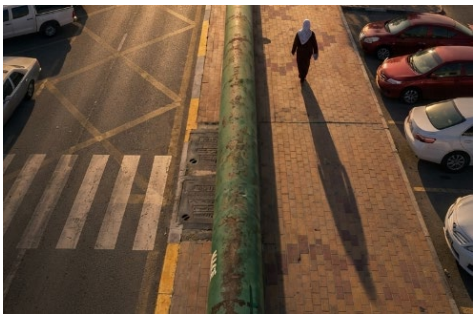
AED 28.8 Million

Scope

Design and Supervision

Status

Completed



Project Brief

TAQA-D required a study, design, review and construction supervision of the replacement of an aging water distribution network across Madinat Zayed, Ghayathi, Liwa and Mirfa in the Western Region.

The project replaces roughly 95 km of pipeline, more than 25 years old, together with associated civil works, following a Survey and Condition Assessment of the Western Region network under Contract D-103291.

Concept/Strategy

The new network is sized to meet current and future demand with sufficient hydraulic parameters, improving capacity and operational efficiency across all four Western Region sectors.

Involvement continues through construction supervision and supervision during the maintenance period, drawing on established experience with ADDC and expertise in water infrastructure planning and design.

DESIGN AND PERMITTING OF INFRA WORKS IN KIZAD KHIA7

AL Taweelah, Abu Dhabi

Client

China-UAE Industrial Capacity Cooperation (Jiangsu) / KIZAD

Employer

KN International

Cost

AED 110 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Abu Dhabi Ports signed a 50-year agreement with the Jiangsu Provincial Overseas Cooperation & Investment Company (JOCIC) for a 2.2 sqkm lease at the Khalifa Industrial Zone Abu Dhabi (KIZAD), Al Taweelah.

JOCIC and CPPE commissioned design consultancy services, including design, permitting, tender documentation, and supervision across the zone's core infrastructure networks.

Concept/Strategy

The scope covers the internal road network, pavement, on-street parking, and potable water, combined wastewater, power supply, and storm water networks.

Fire and water, telecom, and street lighting networks complete the infrastructure package, alongside the zone's streetscape design.

FIRST STAGE ASR PROJECT, DUBAI

DUBAI, UAE

Client

Dubai Electricity And Water Authority (DEWA) / Dornier Consulting

Employer

Dornier Consulting GmbH

Cost

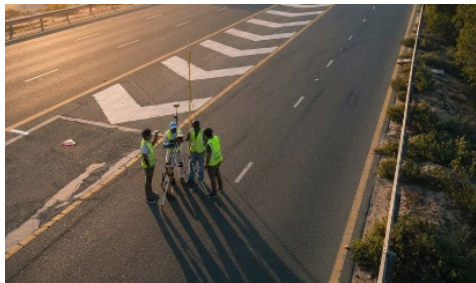
AED 42 Million

Scope

Design and Supervision

Status

Completed



Project Brief

DEWA planned a Stage 1 Aquifer Storage & Recovery scheme to secure emergency potable water supply in eastern Dubai, following groundwater studies that identified feasible ASR locations ahead of a future industrial-scale well field.

Design and supervision of the above-ground components were carried out under appointment by Dornier Consulting, covering transmission pipelines, distribution networks, pumping stations, reservoirs and dual-purpose recovery and observation wells.

Concept/Strategy

The Stage 1 facilities were designed for full integration into the later industrial-scale ASR project, combining wellfield infrastructure with a SCADA system, hydraulic design calculations and power distribution.

Supporting site infrastructure included an access road, a containerised home office, workshop and store, a containerised diesel generator set, and soil investigation to confirm ground conditions.



STRATEGIC WATER SUPPLY FROM FUJAIRAH TO AUH

LIWA DESERT, ABU DHABI

Client

Abu Dhabi Transmission
Company PSC (TAQA
Transmission)

Employer

KN International

Cost

AED 1.3 Billion

Scope

Design

Status

Completed



Project Brief

Water resources management in arid regions requires optimized use of scarce supplies; dam storage causes high evaporation losses, and tank storage is very costly, requiring a strategic aquifer recharge and recovery solution.

The scheme comprises 3 recharge and recovery systems, 315 recovery wells, 117 monitoring wells, 3 infiltration basins, 3 pumping stations and reservoirs, and an overall SCADA system connecting all ASR infrastructure components.

Concept/Strategy

The system supplies 1,000,000 residents with 182 liters of drinking water per capita per day for up to 90 days, recharging 7 MIGD of desalinated seawater over 27 months.

Recovery delivers 40 MIGD of groundwater over 90 days from the Liwa Desert, roughly 225km from Abu Dhabi, forming the emirate's strategic water reserve.



SUPERVISION - ASPHALTIC SHOULDER, RAS GHAMIS ROAD

SILA'A, WESTERN REGION

Client

Western Region
Municipality

Employer

KN International

Cost

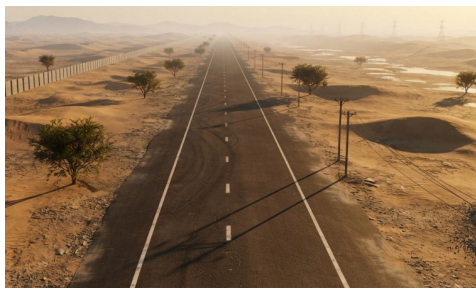
AED 15.4 Million

Scope

Supervision

Status

Completed



Project Brief

The project comprises supervision of asphaltic shoulder construction on both sides of Ras Ghamis Road near Sila'a in the Western Region, Emirate of Abu Dhabi.

The existing road spans approximately 30km; alongside shoulder construction (base, sub-base, top course), the works include protection or relocation of existing utilities.

Concept/Strategy

Investigation of the existing services in the area was supervised, providing solutions for protection or relocation in line with the requirements of the Services Department and Authorities.

Protection and relocation of the existing services were then supervised, coordinating with the concerned Department and Authorities throughout.



PROJECT MANAGEMENT CONSULTANCY

YAS ISLAND, ABU DHABI

Client

Ethara Sole
Proprietorship LLC

Employer

KN International

Cost

TBA

Scope

Project Management

Status

Completed



Project Brief

Ethara developed an 18,000 sqm Karting circuit plus a 4,500 sqm retail, entertainment, and administration building, completed in two phases with partial handover in Q3 2016 and full handover in Q1 2017.

Project Management services were provided, leading the delivery of the project from inception through completion on Ethara's behalf.

Concept/Strategy

The project delivery teams were built and managed, tender responses reviewed, and consultant and contractor selection assisted, while consulting with Ethara's Legal Council on contract development and claims.

As Senior Construction Consultant, all interfaces between contractors, stakeholders, and authorities were managed, performing ongoing risk identification and analysis throughout the project.



UTILIZATION OF DAM WATER - KSA

WESTERN & SOUTHWESTERN
REGIONS, KSA

Client

Dornier Consulting GmbH
/ MOWE, KSA

Employer

Dornier Consulting GmbH

Cost

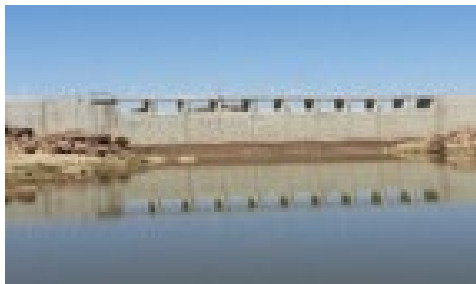
AED 500 Million

Scope

Design

Status

Completed



Project Brief

The project develops concepts for utilizing water from 100 dams across the west and southwest of the Kingdom of Saudi Arabia, with detailed, tender-ready designs for water utilization infrastructure at a later stage.

An as-is assessment visited all dams, collecting information and water samples to define available water, quality, and demand criteria for future dam water use in agriculture, irrigation, and domestic supply.

Concept/Strategy

GIZ/Dornier required the detailed design for 28 of the remaining 50 dams identified for infrastructure such as pumping stations, reservoirs, and pipeline systems.

The scope covered design drawings, hydraulic and structural calculations, verification of survey data, mechanical and electrical design, and preparation of bills of quantities.



WATER & ELECTRICAL DISTRIBUTION NETWORK - AL YEEF

WESTERN REGION, ABU DHABI

Client

Western Region Municipality (WRM) / OTAK Intl.

Employer

OTAK International

Cost

AED 130 Million

Scope

Design

Status

Completed



Project Brief

Western Region Municipality is developing Emirati Housing in Al Yeef Mahder, roughly 5km north of Liwa town, spanning 185 hectares and serving 282 plots across residential, commercial, and civic land uses.

OTAK International commissioned design of the Potable Water Network and Electrical Network serving the full development.

Concept/Strategy

The potable water scope covers 27,000m of network ranging from 100mm to 600mm diameter, including valve chambers, hydrants, and connection to the existing transmission line.

The electrical scope includes 45,000m of 11kV power network with feeder pillars, plus 13 substations serving the development's 282 plots.



ROADS AND INTERSECTIONS - NEW AL MAFRAQ HOSPITAL

ABU DHABI, UAE

Client

Abu Dhabi Municipality

Employer

KN International

Cost

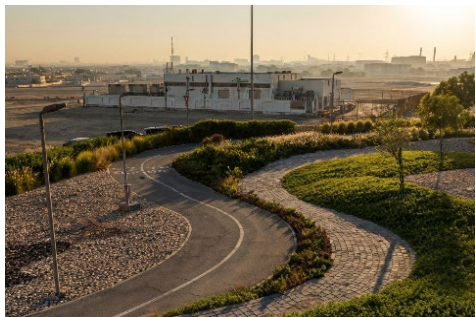
AED 30 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Abu Dhabi Municipality commissioned development of access roads and junctions serving the New Al Mafraq Hospital, with all associated infrastructure and public realm improvements.

The scope covers roads and parking facilities, intersections and crossings, service corridors, and storm water design and connection across the hospital's surrounding network.

Concept/Strategy

Public realm works within the ROW include all hard and soft landscape, pedestrian and cycle routes, lay-bys, and taxi/bus stops, plus irrigation throughout the public realm.

Traffic signals, an intelligent traffic system with red-light violation cameras, and protection and relocation of existing services complete the upgraded corridor.



TREATMENT PLANT & SEWERAGE UPGRADE, LIWA

LIWA, WESTERN REGION

Client

Abu Dhabi Sustainable
Water Solutions PJSC
(TAQA Water Solutions)

Employer

KN International

Cost

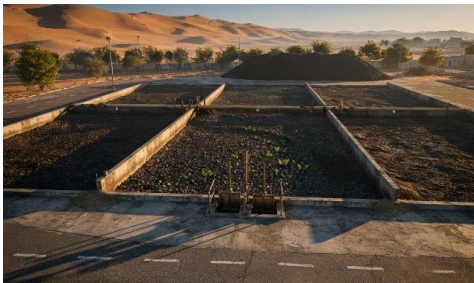
AED 80 Million

Scope

Design

Status

Completed



Project Brief

Abu Dhabi Sustainable Water Solutions PJSC (TAQA Water Solutions) is upgrading existing sewerage assets including the treatment plant and pumping station, and constructing a new sewerage collection network with TSE transmission in the Western Region.

The project is located in the Liwa area, Western Region, approximately 220km from Abu Dhabi City, covering Al Nafeer, Al Raygah, and Jiffin Industrial Area.

Concept/Strategy

The existing sewerage treatment plant capacity is being extended from 2,500 m3/day to 7,500 m3/day, using an aeration wastewater treatment process.

The connected areas span roughly 2km, 1km, and 50km from the Central Liwa-Mezairaa area respectively, bringing remote communities onto the upgraded network.



REEM HILLS PHASE 1 BOUNDARY WALL

ABU DHABI, UAE

Client

Modon

Employer

Barari Natural Resources
LLC

Area

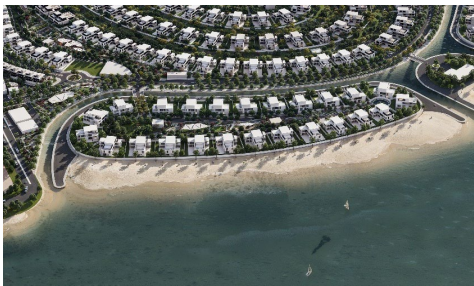
342 sqm

Scope

Design

Status

Ongoing



Project Brief

Barari appointed AE International as Architect of Record (AOR) for boundary wall works located outside the residential plot limits, with the design already completed, reviewed, and approved prior to engagement.

The scope covers coordination, preparation, and submission of the Client-approved design documentation required to secure the Building Permit.

Concept/Strategy

The project scope is limited to boundary wall elements located outside the residential plot limits, covering concrete and blockwork boundary walls throughout the development.

Concrete and metal boundary fences complete the boundary treatment, matching the design language already approved for the wider Reem Hills Phase 1 community.

AL HARAY - KHORFAKKAN, SHARJAH

KHORFAKKAN, SHARJAH, UAE

Client

Initiative Of H.H.
President Of UAE Ministry
Of Public Works

Employer

KN International

Cost

AED 54 Million

Scope

Design and Supervision

Status

Completed



Project Brief

The Ministry of Public Works (MoPW), under the Initiative of H.H. President of UAE, required consultancy services for infrastructure works serving the public housing project at Al Haray, Khorfakkan, Sharjah Emirate.

Delivered through CD, PD, DD, TD, IFC and Supervision stages, the scope covers roads, storm water, sewerage, potable water, power networks and utility ducts for 300 residential plots.

Concept/Strategy

The initiative sits within MoPW's long-term 'Northern Emirates - Plan 2030' programme, extending public housing, infrastructure and service facilities to Sharjah's remote communities.

Infrastructure for the 300 plots includes 10,000m of roads, a storm water system, sewerage network with a 630 m3/day reed-bed treatment plant, and full potable water and power networks.



AL HAMRA - RAS AL KHAIMAH

RAS AL KHAIMAH, UAE

Client

Initiative Of H.H.
President Of UAE Ministry
Of Public Works

Employer

KN International

Cost

AED 20 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Ministry of Public Works (MoPW) appointed AE together with its Infrastructure partner, under the Initiative of H.H. President of UAE, to provide consultancy services for infrastructure works serving the public housing project at Al Hamra, Ras Al Khaimah Emirate.

Delivered through CD, PD, DD, TD, IFC and Supervision stages, the scope covers roads, storm water, sewerage, potable water, power networks and utility ducts for 100 residential plots.

Concept/Strategy

The initiative sits within MoPW's long-term 'Northern Emirates - Plan 2030' programme, extending public housing, infrastructure and service facilities to Ras Al Khaimah's remote communities.

Infrastructure for the 100 plots includes 3,900m of roads, a storm water system, sewerage network with a 175 m3/day reed-bed treatment plant, and full potable water and power networks.



AL AIN POULTRY FARM SEWAGE TREATMENT PLANT

AL YAHER, AL AIN

Client

Al Ain Farms

Employer

KN International

Cost

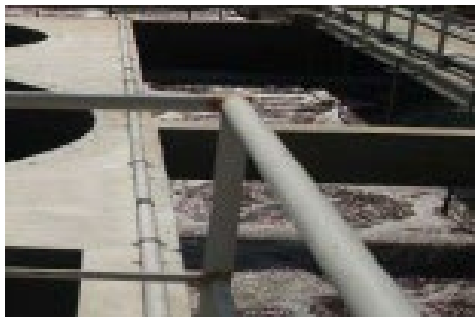
AED 2 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Al Ain Poultry Farm, located in Al Yaher area roughly 25km from Al Ain, sought to rehabilitate and upgrade its existing industrial wastewater treatment plant to reach 400 m3/day from 240 m3/day treated wastewater.

The technical design prepared by the EPC Contractor was reviewed across two stages, Concept and Detailed Design Review, ensuring the upgrade met the required treatment capacity.

Concept/Strategy

The review process validated the EPC Contractor's design approach against the target 400 m3/day capacity, identifying any gaps before construction proceeded.

Services also included construction supervision, ensuring the upgraded treatment plant was delivered in line with the reviewed and approved design.



STRATEGIC WATER SUPPLY - FUJAIRAH TO ABU DHABI (LOT-2)

AL AIN, UAE

Client

Abu Dhabi Transmission
Company PSC (TAQA
Transmission)

Employer

KN International

Cost

TBA

Scope

Design

Status

Completed



Project Brief

TQT intended to provide an emergency bypass from the Fujairah water supply to Abu Dhabi, constructing bypass and interconnection pipelines at Remah, Shobaisi, and Unit IV pumping stations.

Nael Energy & General Enterprises Est (NEGE) was commissioned to carry out the work, including the structural design of the transmission pipeline.

Concept/Strategy

The structural design scope covered the transmission pipeline route in full, including all chambers required along its length.

Thrust blocks and anchor blocks were designed to secure the pipeline at key points, ensuring the emergency bypass system performs reliably during activation.



AL GHARBIA 2030 MASTERPLAN - RUWAIS

AL GHARBIA, ABU DHABI

Client

Abu Dhabi Urban Planning
Council (UPC), OTAK

Employer

KN International

Cost

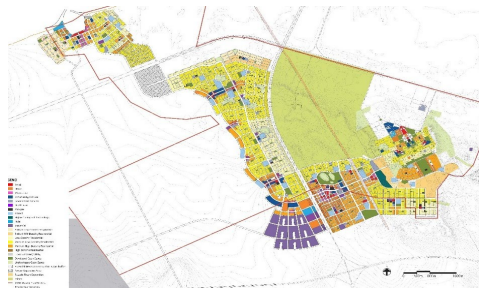
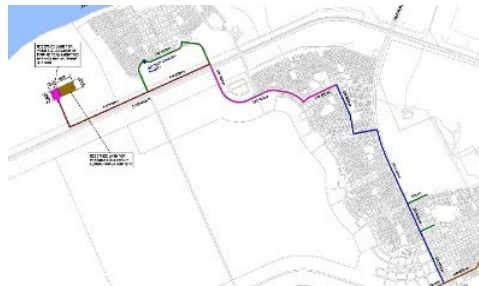
AED 1,395 Million

Scope

Design

Status

Completed



Project Brief

An Infrastructure Masterplan for Ruwais was requested as part of the UPC's Plan Al Gharbia 2030, helping the region evaluate and respond to current and future development needs.

The Utility Master Plan provides a conceptual framework for infrastructure networks needed to service the community, coordinated closely with the Local Utility Authorities throughout preparation.

Concept/Strategy

The scope covered 210km of sewage pipelines, 6,000 manholes, one permanent and three temporary sewage treatment plants.

Also included were 245km of storm water drainage pipelines with 9,800 manholes and 11,700 gullies, plus 145km of TSE and irrigation pipelines with 4 reservoirs and 1 pumping station.

AL GHARBIA 2030 MASTERPLAN - MIRFA

AL GHARBIA, ABU DHABI

Client

Abu Dhabi Urban Planning
Council (UPC), OTAK

Employer

OTAK International

Cost

AED 1,197 Million

Scope

Design

Status

Completed



Project Brief

An Infrastructure Masterplan for Mirfa was requested as part of the UPC's Plan Al Gharbia 2030, helping the region evaluate and respond to current and future development needs.

The Utility Master Plan provides a conceptual framework for infrastructure networks needed to service the community, coordinated closely with the Local Utility Authorities throughout preparation.

Concept/Strategy

The scope included data collection and detailed infrastructure master planning across sewage, storm water drainage, and TSE/irrigation networks tailored to Mirfa's community needs.

Deliverables included drawings, schedules, cost estimates, and design guidelines, prepared in close liaison with all concerned statutory authorities.

AL GHARBIA 2030 MASTERPLAN - LIWA

WESTERN REGION, ABU DHABI

Client

Abu Dhabi Urban Planning
Council (UPC), OTAK

Employer

OTAK International

Cost

AED 500 Million

Scope

Design

Status

Completed



Project Brief

An Infrastructure Masterplan for Liwa was requested as part of the UPC's Plan Al Gharbia 2030, helping the region evaluate and respond to current and future development needs.

The Utility Master Plan provides a conceptual framework for infrastructure networks needed to service the community, coordinated closely with the Local Utility Authorities throughout preparation.

Concept/Strategy

The scope covered 116km of sewage pipelines, 2,050 manholes, upgrading of the existing sewage treatment plant, and 2 sewage pumping stations.

Also included were 50km of storm water drainage pipelines with 3,310 soakaway manholes, and 16km of TSE and irrigation pipelines with 2 reservoirs and 1 pumping station.

WASTE WATER WORKS, SIR BANI YAS ISLAND

ABU DHABI, UAE

Client

Abu Dhabi Sustainable
Water Solutions PJSC
(TAQA Water Solutions)

Employer

KN International

Cost

AED 16 Million

Scope

Design and Overview

Status

Completed



Project Brief

Tendering review and construction overview & coordination are provided for two Reed Bed Treatment Plants on Sir Bani Yas Island, roughly 250 km west of Abu Dhabi and 5 km from the mainland.

STP-02 serves the Anantara Hotel Complex via a gravity line to Pumping Station PS-09, while STP-04 serves the Savannah Lodge via a gravity line to a pump chamber.

Concept/Strategy

STP-02 uses four reed bed basins split across Phase A and Phase B, reaching a total output of 62.5 m³/day, fed by a 1,050 m HDPE rising main and a 300 m gravity line.

STP-04 uses two reed bed basins, one per phase, for a combined output of 18 m³/day, served by a 185 m gravity line, with a separate TSE pressure line outside the project scope.



WASTE WATER WORKS OVERVIEW, AL GHARBIA

ABU DHABI, UAE

Client

Abu Dhabi Sustainable
Water Solutions PJSC
(TAQA Water Solutions)

Employer

KN International

Cost

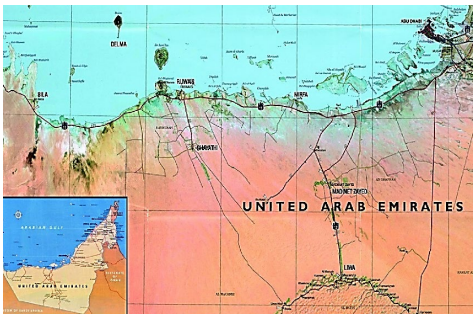
AED 1 Billion

Scope

Design and Overview

Status

ongoing



Project Brief

TAQA-WS required an overview of all private and public sewerage infrastructure projects underway across Al Gharbia, the 60,000 sq km Western Region of Abu Dhabi bordering Saudi Arabia and Qatar.

With multiple consultants independently planning collection, conveyance, disposal and treatment systems for the region's growing population, a tendering review and construction overview keep these parallel sewerage projects coordinated.

Concept/Strategy

The overview spans sewerage collection networks, treatment plants and pumping stations alongside TSE (treated sewage effluent) distribution networks, pumping stations and reservoirs planned across Al Gharbia.

By tracking tendering and construction progress across every scheme, the region's traditional and modern communities are served by a coordinated sewerage system as development accelerates.



OPERATION OF IKIS SEWERAGE SYSTEM

ABU DHABI, UAE

Client

Abu Dhabi Sustainable Water Solutions PJSC (TAQA Water Solutions)

Employer

KN International

Cost

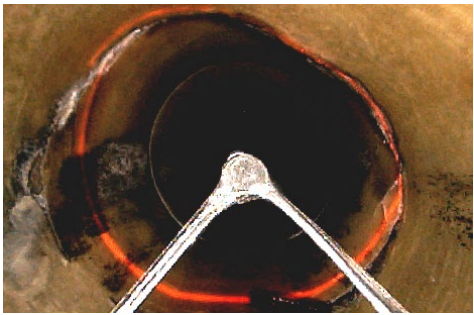
TBA

Scope

Supervision

Status

Completed



Project Brief

Abu Dhabi Sewerage Services Company required operation of the IKIS sewer information system, supporting TAQA-WS in assessing sewerage network condition across the whole of Abu Dhabi Emirate.

The scope covers operating IKIS and supporting TAQA-WS's Asset Management, Projects Management and Operation & Maintenance divisions, including handover of rehabilitated projects and preparation of rehabilitation contracts.

Concept/Strategy

IKIS gives network operators continuous, current information on sewer condition, built from completed inspections and assessments, and manages reading, saving and evaluating operational data, photos, films and documents.

Beyond day-to-day operation, this support feeds directly into TAQA-WS's asset planning and rehabilitation programme, translating inspection records into prioritised, documented rehabilitation contracts.

WASTE WATER WORKS, REEM ISLAND

ABU DHABI, UAE

Client

Abu Dhabi Sustainable Water Solutions Company PJSC (TAQA Water Solutions)

Employer

KN International

Cost

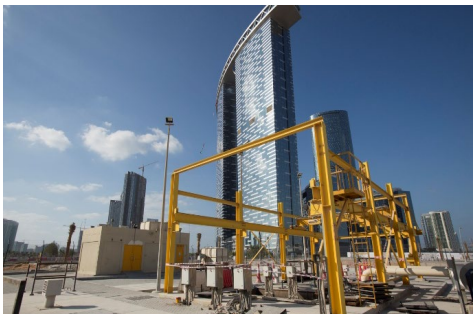
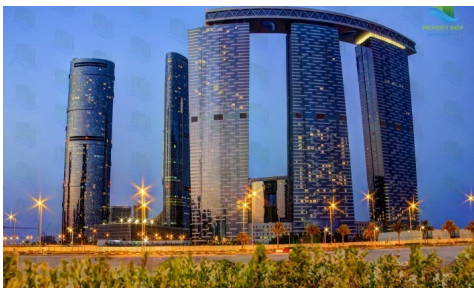
AED 400 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Design, construction and coordination overview of sewerage works were provided on Al Reem Island - pipe works, manholes, plot connections, pumping stations and treatment plants - across the island's mixed-use development.

Reem Island spans 633 hectares and is being delivered by three developers - Tamouh (60%), Sorouh (20%) and Al Reem Investment (20%) - overseen by facilities manager Bunya, with ongoing works for Tamouh, Aldar, Reem Developer and Capital Bay.

Concept/Strategy

This design and coordination overview supports Reem Island's residential, commercial and business districts, covering DD and Site Supervision alongside the core sewerage design and tendering review.

Coordination across multiple developers keeps sewerage infrastructure consistent as the island's schools, clinics, malls, hotels, golf course and beach amenities are progressively built out.

WASTE WATER WORKS, SAADIYAT ISLAND

ABU DHABI, UAE

Client

Abu Dhabi Sustainable
Water Solutions PJSC
(TAQA Water Solutions)

Employer

KN International

Cost

AED 400 Million

Scope

Design and Supervision

Status

Completed



Project Brief

Design, construction and coordination overview of sewerage works were provided for Saadiyat Island, a premier destination developed by the Tourism Development and Investment Company (TDIC) with master-plan consultant Parsons International.

The scope spans pipe works, manholes, plot connections, pumping stations and sewerage treatment plants (STP), serving a community projected to reach roughly 148,000 permanent residents within a wider population base of 353,000.

Concept/Strategy

The role centres on design and tendering review together with construction overview and coordination, ensuring the sewerage network keeps pace with Saadiyat's phased residential, leisure and cultural development.

Coordination extends across pipe networks, manholes and pumping infrastructure through to the treatment plants, supporting Saadiyat's ambition as an integrated island community with civic and tourist amenities.

POLICE OFFICERS' HOUSING PROJECT

MUSSAFAH, ABU DHABI

Client

Ministry of Interior - Abu Dhabi Police GHQ Police Projects Committee

Employer

KN International

Cost

AED 662.5 Million

Scope

Design and Supervision

Status

Completed



Project Brief

The project redesigns an already developed 51-hectare housing area based on a grid of standard 60m x 60m Abu Dhabi Municipality plots, quadrupling the number of Officers' villas from 96 to 414.

Two villa prototypes on small plots along cul-de-sac streets under 120m create an efficient residential cluster, with public green space and community amenities within walking distance.

Concept/Strategy

Additional open spaces accommodate community facilities including mosques, a social center, retail, and a kindergarten, assuring high residential quality throughout the cluster.

Services covered master planning for the entire area, design and tendering of 4- and 5-bedroom villa prototypes, and design, tendering, and supervision of all related infrastructure works.



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