

CORE

E N G I N E E R I N G
C O N S U L T A N C Y



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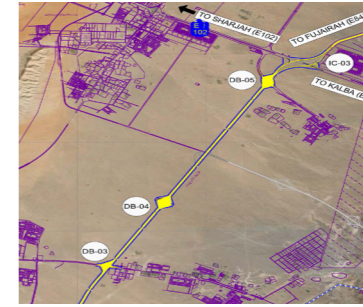
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We are CORE

We are dedicated to providing first class Engineering Services.

CORE Engineering Consultancy L.L.C. (CORE) was established in 2007 with a focus on providing Engineering Consultancy Services for special projects covering Master planning, Airports, Hotels, Infrastructure, Roads and Bridges for public and private sector.

In the years following the company's establishment, CORE collaborated with local and internationally recognized firms such as EGIS and LEEAD to provide customized services to clients by forming project teams specifically suited to the requirements of each project.

CORE's beginnings in Project Management gives CORE a solid foundation in understanding the needs of all stakeholders in any Engineering Construction

project, from Client, to Engineer, to Contractor. With this experience and foundation, CORE has grown and expanded its services to include Design Consultancy services and Construction Supervision Consultancy.

Currently, CORE has grown to be well-recognized Consultancy firm with contracts in Architecture and Infrastructure for a number of well-known public and private clients.

CORE is proud to provide Engineering Services in the UAE and consider themselves part of the exceptional efforts across the entire industry who share the common goal of improving the lives of the people of the UAE through Engineering solutions and innovation.

Government Employers and Clients

- Ministry of Infrastructure Development.
- Command of Military Works
- Ministry of Presidential Affairs
- Government of Sharjah, Department of Public Works
- Abu Dhabi Housing Authority
- Abu Dhabi Department of Education and Knowledge
- Abu Dhabi Food Control Authority
- Abu Dhabi Police GHQ
- Sharjah Airport Authority
- Zayed Housing Authority

Consultant & Contractor Clients:

- EGIS
- LEEAD
- IOSIS
- Tebodin Belfinger
- Transpo Group
- Leo A Daly
- Shankland Cox
- Avantgarde Architect Engineers
- RNL
- East China Electric Power Design Institute

Services

- Master Planning
- Architectural Design
- Structural Engineering
- Mechanical & Electrical Engineering
- Infrastructure Design
- Construction Supervision
- Contract & Project Management.

Sectors

- Residential Housing
- Government Buildings
- Airport Architecture
- Hospitals & Clinics
- Educational facilities
- Police & Military
- Roads & Highways
- Bridges
- Internal Roads
- Water Supply and Waste Water Systems
- Water and Waste Water Treatment
- Storm Water Collection and Discharge
- Reservoirs
- Irrigation and Drainage
- Urban Planning

The founders



Suleiman Al Siksek
Founder - Chairman



Issam Y Harb
Founder - Managing Director

SPECIALISED PROJECTS



The Project Consists of the Design of a 4-star, 1000 rooms hotel and Non Commissioned Officers accommodation in Abu Dhabi UAE.

It is intended to serve as an architectural landmark in the region. The rooms are Luxurious with all associated amenities, facilities, multi story car park, landscape, internal and external sport recreation areas.

The Hotel is split as follow:

- The hotel wing which includes a commercial hotel for the short and medium term stays comprising 120 king rooms, 80 double rooms and 200 suites.
- The NCO wing which includes an accommodation for medium to long term stays for non-commissioned officers comprising 600 king rooms.

The Scope included the Design of the Buildings (external and internal), access roads, utilities, landscape and all the necessary structural and Electrical and Mechanical works.

Non Commissioned Officers Accommodation and Hotel

Abu Dhabi, UAE

Client

Command of Military Works
(CMW)

Completion

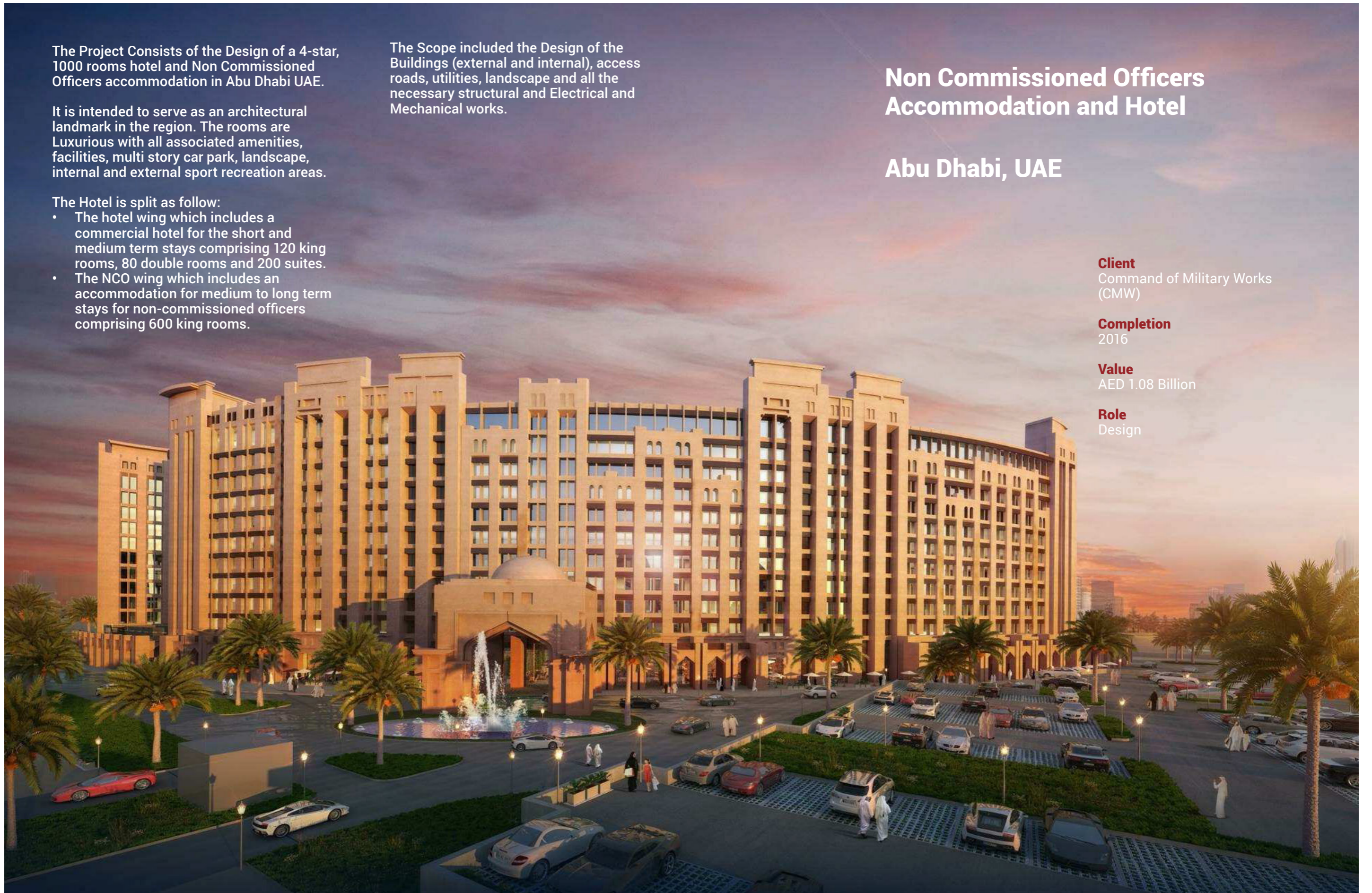
2016

Value

AED 1.08 Billion

Role

Design



Sheikh Khalifa Specialist Hospital

Ras Al Khaimah, UAE

Client

Ministry of Public Works
(MoPW)

Completion

30 March 2017

Value

AED 680 Million

Role

Project Management

The hospital is specialized in Cancer, Cardiac care and treatment, while also providing an Accident and Emergency Treatment unit.

The hospital comprises 7 floors with two main entrances, two helipads, service block, mechanical floor, in addition to 460 car park and landscape.

A total of 248 beds distributed as 40 beds for intensive care, 72 beds for heart patients, 73 beds for surgeries along with a VIP floor for 8 VIP patient rooms, 36 kids patient rooms and 19 general patients rooms.





Sweihan Air Base Development
Sweihan, Abu Dhabi, UAE

The project consists of the development and construction of the existing Sweihan airfield to the highest international standards.

The works included:

- Runways, taxiways and aircraft aprons.
- Air Traffic Control Tower and Building
- Fire/Crash Rescue Station
- AAG/10 Aircraft Maintenance Hangars
- QRF, Quick Reaction Force Hangars
- SAR Aircraft Maintenance Hangars
- NAG Aircraft Maintenance Hangars
- NAG Aircraft Maintenance Hangars
- Central Maintenance Facility
- GSE, Ground Support Equipment Compound
- Aircraft Parts Storage
- (DAG) Departure Air Group Facility

Client
Armed Forces - Command
of Military Works (CMW)

Completion
2014

Value
AED 1.8 Billion

Role
Design Review and
Construction Supervision



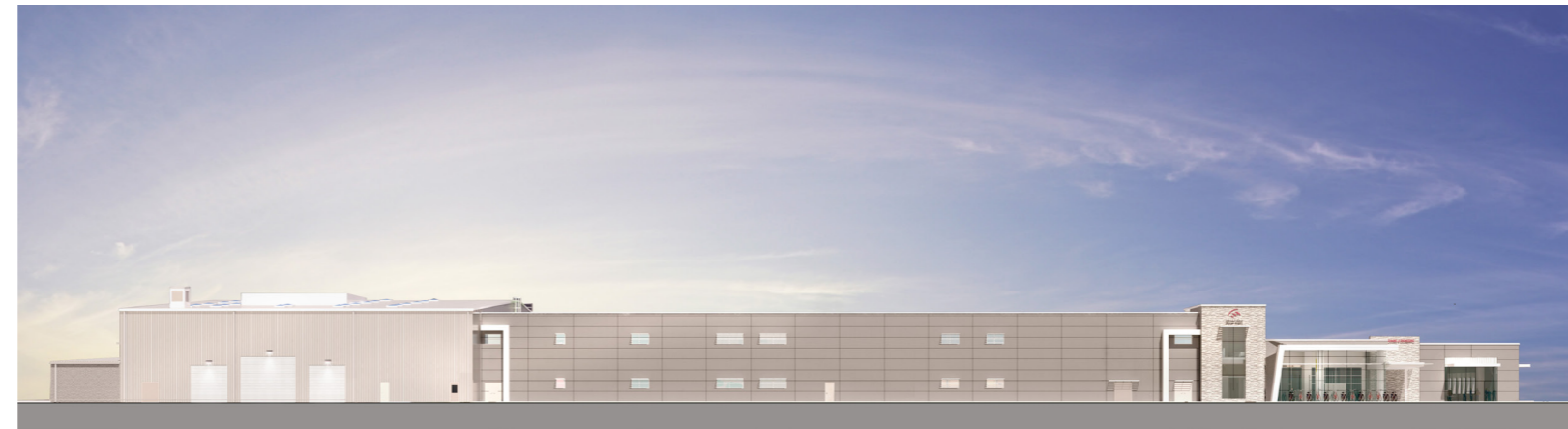
Sharjah International Airport - Enabling Works for Terminal Expansion.

Sharjah, UAE



This project consists of Design Consultancy and Construction Supervision Services for the planning and design of demolition works and new facilities to clear necessary space for Sharjah Airport Authorities future planned expansion at Sharjah International Airport.

The works include demolition of some existing buildings, a fuel station and shaded areas in excess of 6000 square meters. In addition the scope requires the design of relocated/ replacement facilities for Airport Operations in excess of 6000 square meters.



Client
Sharjah Airport Authority
(SAA)

Completion
Ongoing

Value
AED 75 Million

Role
Complete Design Package
and Construction
Supervision

Sharjah International Airport - Expansion to the East and West Sides of the terminal

Sharjah, UAE

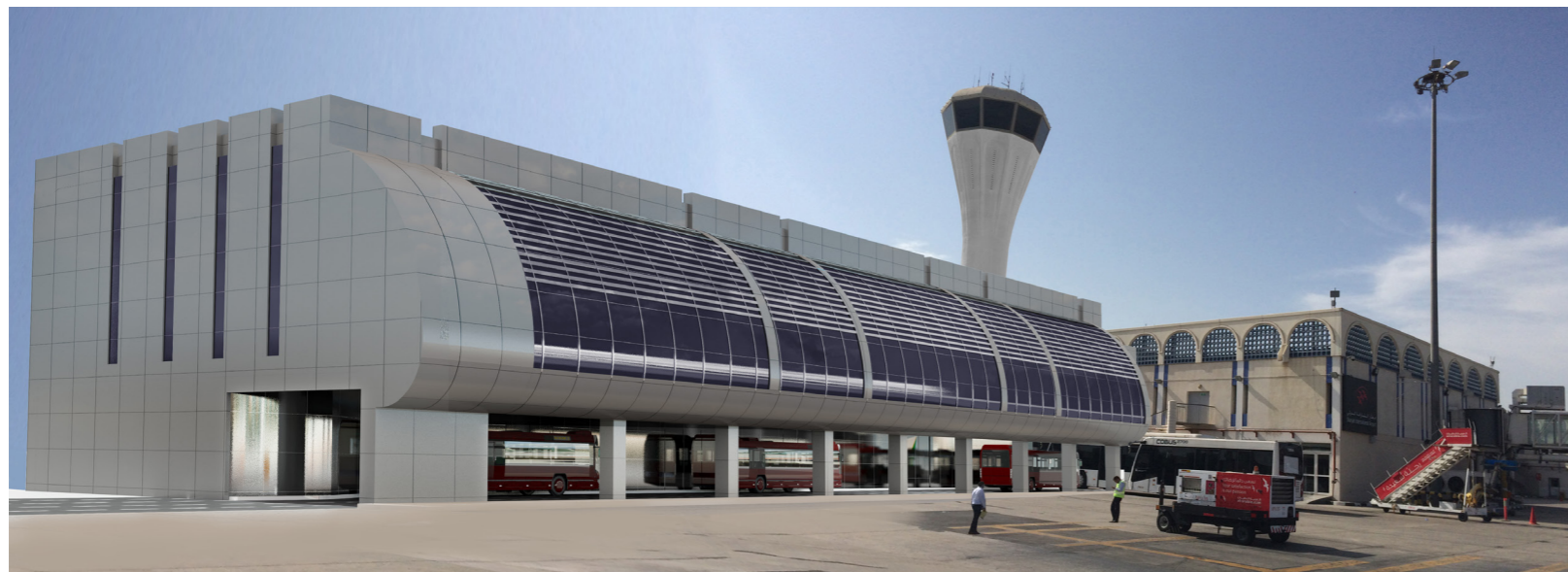


This project consists of full design and supervision of construction of the eastside and westside wings of Sharjah International Airport, composed of 2 floors expansion project.

Ground Floor with approximately 900 Sq. m area and 4 holding lounge waiting with the capacity of 606 seaters, Toilets, Commercial Kiosk and Vertical circulation area.

Second Floor with the total area of 1750 sq. m. total passenger seating capacity of 442 in the waiting area, 1 security point compose of 3 x-ray machine, Police Room for resting, security body check for ladies, Male & Female Toilet with baby changing room, accessibility toilet and vertical circulation, with in the area there are Duty free commercial spaces to give convenience to the passengers bound going out of the country.

The design is modern open space lounge to accommodate more passenger and to centralize all security point.



Client
Sharjah Airport Authority
(SAA)

Completion
2018

Value
AED 10 Million

Role
Complete Design Package
and Construction
Supervision

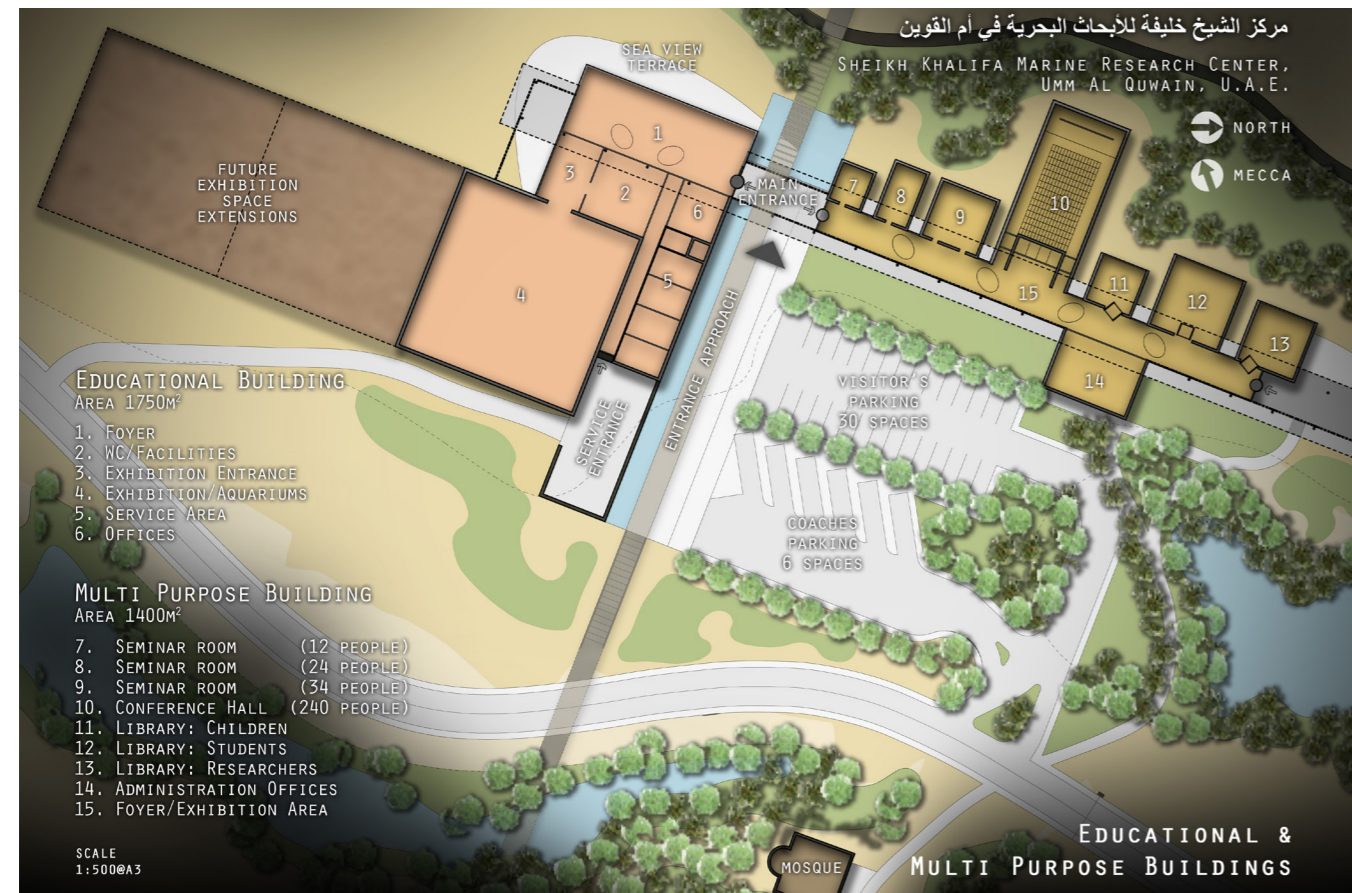
**Sheikh Khalifa Bin Zayed
Center For Marine Research**

**Umm Al Quwain
U.A.E.**

The objective of the Marine Hatchery Complex is to produce 10 million juveniles per year of a variety of local and non-indigenous fish species to allow the indigenous sustainable development of Aquaculture.

The works include:

- Construction of 5 buildings (Generator Room, Pump Station, Plant room, Broodstock, Hatchery, Offices, Weaning, Nursery and Surrounding Area).
- Marine works and protection.
- Internal roads and parking areas.
- Landscaping.

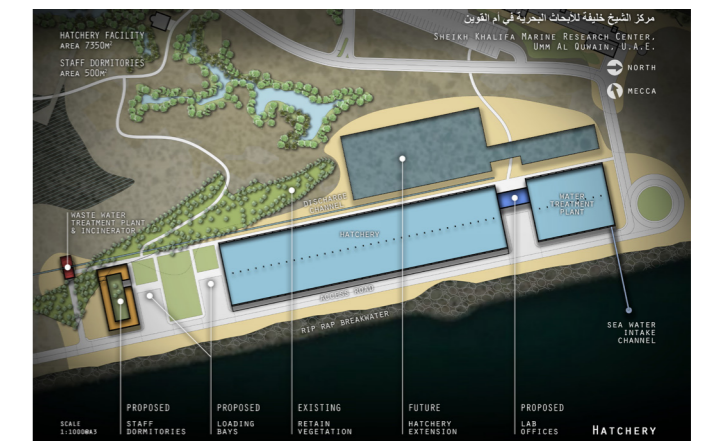


Client
Ministry of Water & Environment

Completion
2014

Value
AED 90 Million

Role
Design Review and Construction Supervision



**Design of 3 Veterinary
Hospitals in Abu Dhabi,
Al Ain and Western Region**

U.A.E.

This project aims at supporting the client; Abu Dhabi Food Control Authority in monitoring the health and quality of livestock animals in Abu Dhabi.

These three hospitals will be among the largest of their kind in the world providing first class operational and surgical facilities as well as world class laboratory testing facilities.

The hospital in Al Ain will also serve to help educate Veterinary students from the nearby Universities.

The largest of the three hospitals, will be in Al Ain and will be over 12,000 square meters in gross floor area and will contain two operation theatres with state of the art, highly specialised imagine equipment to accommodate animals as large as camels.

Two of the hospitals, Al Ain and Wester Region will house state of the art reference laboratories.



Client
Abu Dhabi Food Control Authority

Completion
Design Completed 2018

Value
AED 100 Million

Role
Detailed Design of all three hospitals.



**Design of Shooting
Ranges for Al Haffar
Police Training City**

**Al Haffar, Abu Dhabi,
U.A.E.**

This project consists the design of training facilities for two special teams within Abu Dhabi Police: Special Tasks and Force 7.

The project is located inside Al Haffar Police Training City and serves as part of Abu Dhabi Police GHQ new state of the art training facilities.

The project incorporates low caliber 4x50m Shooting Ranges and a High Caliber 400m Shooting Range.

The facility also includes an Abseil tower, Method Of Entry training building and Simulation rooms for training.

Client
Abu Dhabi Police General Headquarters

Completion
Design Ongoing

Value
AED 100 Million

Role
Detailed Architectural Design and site master planning.



**Customs Headquarters
Abu Dhabi International
Airport**

The Headquarters Building is approximately 3500m², and will stand 2 floors above the ground level (G+2).

The Customs Headquarters will feature general administrative & stand amenities to accommodate for the expected 200 Managers, Employees and Guests as well as specialized facilities to support the services of the General Administration of Customs.



Client
Abu Dhabi General Services
Company PJSC (Musnada)

Completion
2016

Value
AED 550 Million

Role
Architectural Design

ROADS AND TRANSPORTATION

**Safety Improvement Works for Sheikh Zayed
Bin Rashid Al Sultan Road
Abu Dhabi, UAE.**

The project involves widening of the existing road from 4 to 5 lanes in both directions in addition to the acceleration & deceleration lanes after Shakhbait Bin Sultan Street, starting from 19th Street to 29th Street, to reduce the traffic. The scope also include introducing five Nos. of Laybys for emergency purpose and proposing 10 Ramp Metering on 10 locations (entrances of Zayed Bin Sultan Street) for the peak traffic.

Major factors involving the project are road geometry, utilities, drainage, road lighting, existing structures, accesses to crossroads, connectivity and accessibility to surrounding developments and enhancing road safety features. The scope of works includes the following disciplines:

- Road Design and Layby design.
- Pavement Design, Road Marking and Signs.
- Ramp Metering
- Storm water Network
- Potable Water Network
- Waste Water Network
- Irrigation
- Electrical, Low Voltage, Street Lighting and Telecom



Client
Department of Transport

Employer
Abu Dhabi General Services
Company PJSC (Musnada)

Completion
Construction Phase

Value
Confidential

Role
Detailed Design of Roads,
Infrastructure, Public Realm

Road linking Sheikh Khalifa Road and Al Showaib Roundabout

U.A.E.

The project consists of the construction of a new road linking Sheikh Khalifa Bin Zayed Road (E84/E102) and Al Showaib Roundabout (E60/E55).

The design scope included all bridges, under passes, culverts and stormwater systems.

In total, the project consists of approximately 42 km of road that passes through the emirates of Abu Dhabi and Sharjah.

The proposed road will be dual carriageway 3 lanes per direction and includes 7 dumbbell bridges and 3 major interchanges.

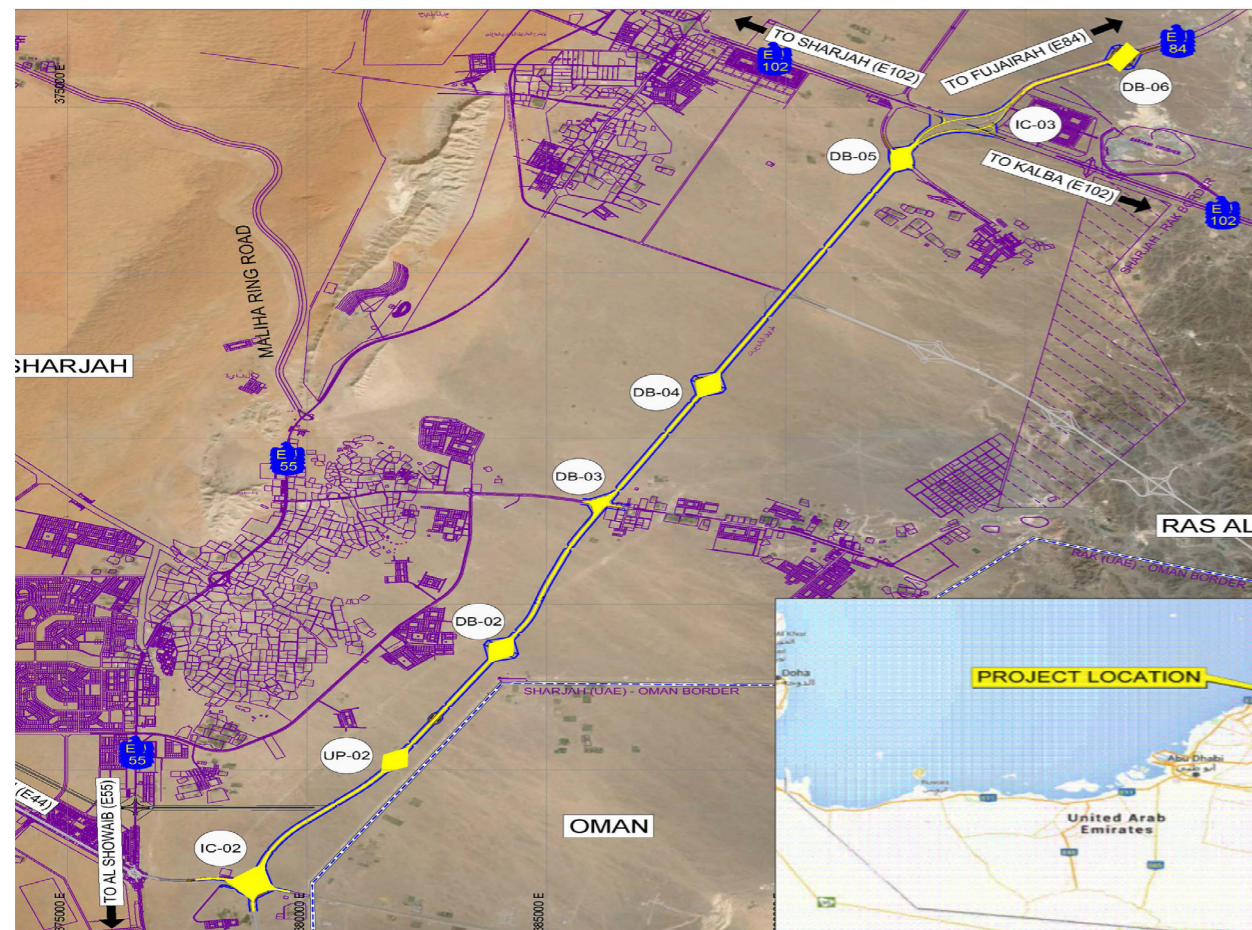
The project includes also widening of the 8 Km existing road E55 to 3 lane in each direction as well as to provide free flow access on the al Showaib roundabout.

Client
Ministry of Public Works (MOPW)

Completion
Construction ongoing

Value
AED 792 Million

Role
Study, Design and Construction Supervision



Ras Al Khaimah Ring Road

RAK, UAE

The project consisted of the construction of Ras Al Khaimah Ring Road. CORE was appointed as the Supervision Consultant.

The proposed road is 30km of dual carriageway pass with shoulder and median and includes three major interchanges and two underpasses.

The road will be supported by street lighting, road marking, road signs, safety barriers, ROW fence, drainage works, slope protection, stormwater and other road appurtenances.

Client
Ministry Of Public Work (MOPW)

Completion
2015

Value
AED 600 Million

Role
Construction Supervision

**Emirates Road Extension Phase 2: Link Road
between Emirates Road (E611 and Al Ittihad Road)
Sharjha Dubai Border, UAE**

The project includes Design & Construction Supervision of a new road is starting from Al Helio/AlZubair Area on Emirates Road (E611) with full consideration to Sharjah Master Plan (two options to be considered as shown on the attached location plan 4.1 in Part 4), and the upgrading of Jeddah Road which partly a 3.5 km single carriageway up to Shk. Mohammed Bin Zayed Road I/C RR11(E311).

The project also includes the upgrading and development of the 7.6 road between I/C RR11 and Al Hamriyah I/C on Al Ittihad Road (Refer to Location Plan for Link Road Between Emirates Road (E611) with Al Ittihad Road).

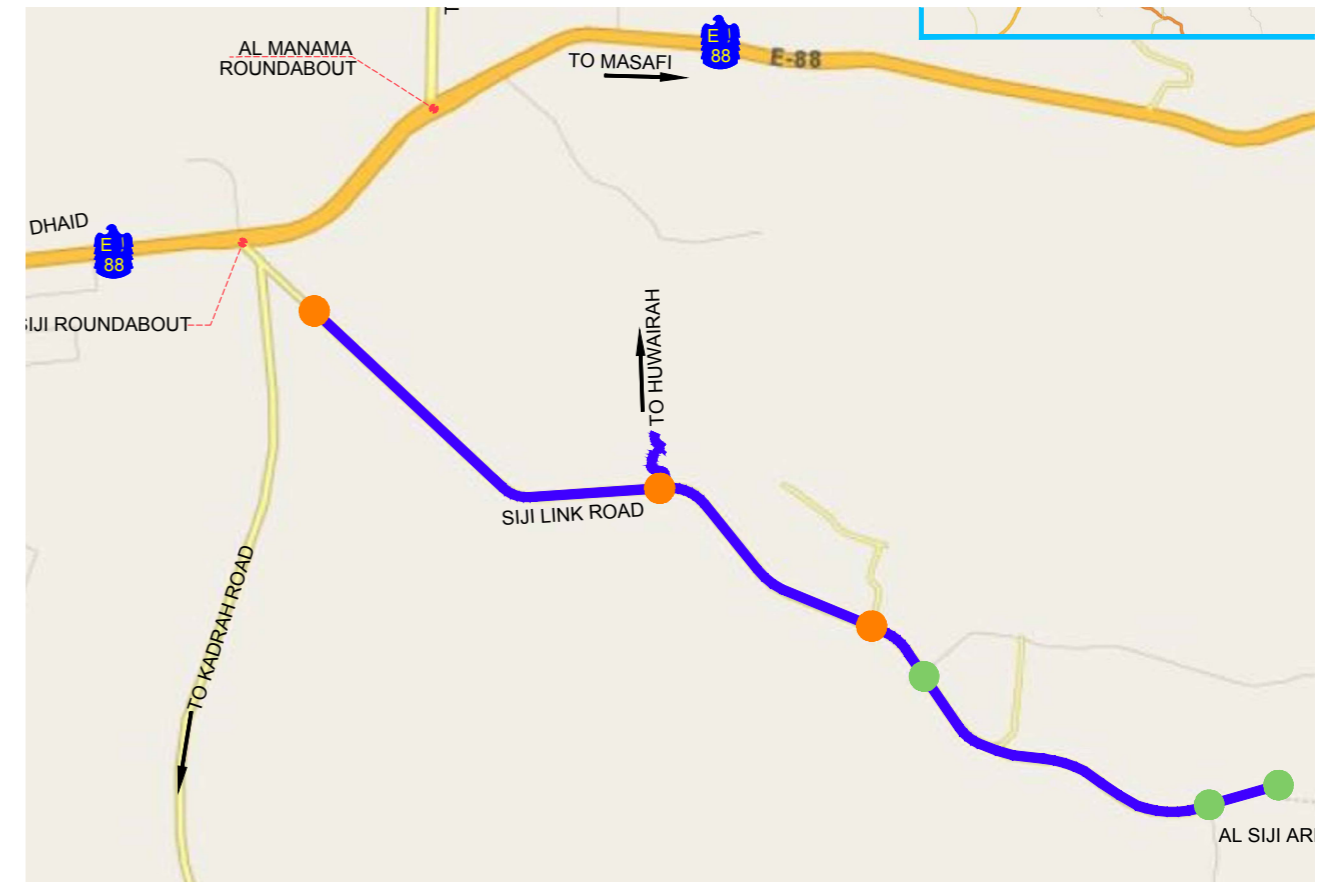
CORE's scope of works is centered around providing service access needs on both sides of the Road to enhance mobility and accessibility of the surroundings, while easing the local traffic and reduce potential accidents.

Client
Ministry of Infrastructure
Development MOID

Completion
Ongoing

Value
AED 98 million approx

Role
Designer



**Design of Development and Upgrading of
the Siji Road
Ras Al Khaimah U.A.E.**

The project consists of Design and Construction Supervision for the upgrading approximately 10km of existing single carriageway truck roads into dual carriageway roads safe for trucks and light vehicle movement.

The scope of works includes traffic impact on existing interchanges, improvement and upgrading of stormwater culverts as well as relocation of existing utilities as necessary.

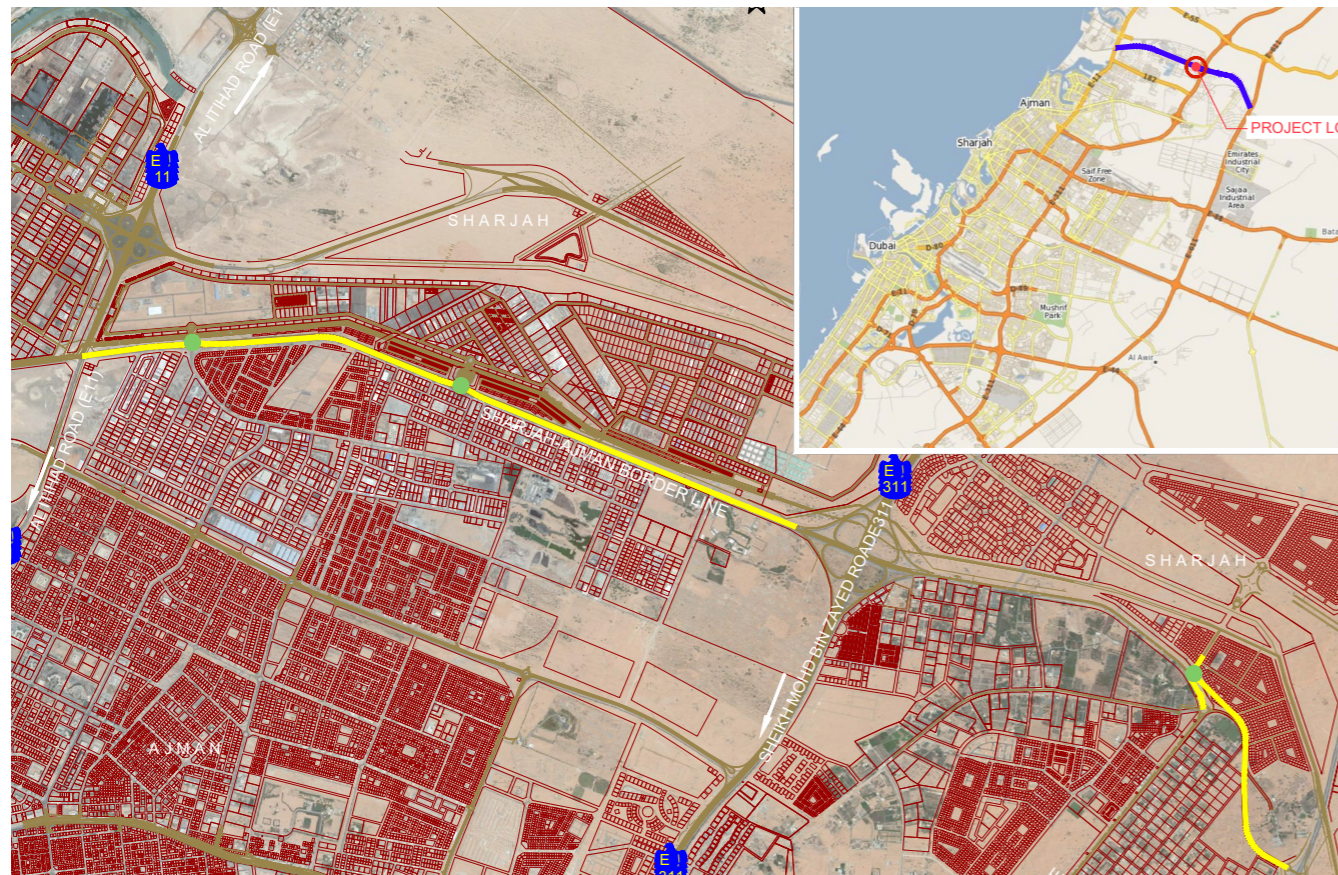
CORE's scope of works is centered around providing service access needs on both sides of the Road to enhance mobility and accessibility of the surroundings, while easing the local traffic and reduce potential accidents.

Client
Ministry of Infrastructure
Development MOID

Completion
November 2019

Value
AED 78 Million approx

Role
Designer



Preparation of Design & Build Contract of Roads connecting Showka – Siji – Kadra – Sifini – Sifi – Aloajily areas up to connection with E102

Northern Emirates, UAE

CORE Conducted a preliminary study of the existing truck roads and mountain passes connecting Showka – Siji – Kadra – Sifini – Sifi – Aloajily areas up to connection with E102, and prepared concept road sections for MOID to tender a design & build project to deliver dual carriageway roads across the 74 km's of existing roads and mountain paths.



Client
Ministry of Infrastructure
Development MOID

Completion
January 2020

Value
AED 500 Million approx

Role
Concept Design and
preparation of tender
documents.



Design and Build for Dualization of Tal Morreb Road in Liwa
Liwa, Abu Dhabi, U.A.E.

Tal Morreb road is the only current paved access from Madinat Zayed to Tal Moreeb dunes site. Recent years has seen the site's popularity increase with local and international festivals taking place there.

CORE is supporting Al Dhafrah region Municipality to study the existing 25 km single carriageway road and prepare a full design for construction to upgrade to a dual carriageway ensuring safe passage for visitors through the desert road to the festival site.

CORE's scope of works is centered around providing service access needs on both sides of the Road to enhance mobility and accessibility of the surroundings, while easing the local traffic and reduce potential accidents.

Client
Al Dhafrah Region
Municipality

Completion
Ongoing

Value
AED 85 Million

Role
Designer

Internal and Link Roads for Residential Complexes in Southern Zone, Northern Zone & Eastern Zone

Northern Emirates, U.A.E.

The project consisted of construction of "Internal and Link Roads for Residential Complexes" in different locations in the Northern Emirates.

CORE were appointed as supervision consultant on this project which required a flexible team to oversee works in many locations throughout the northern emirates.

Coordination and logistics were important in this project to ensure the works were conducted efficiently.

As Supervision Consultant, CORE also reviewed the designs prepared by contractors for quality, completeness and contractibility.

Client
Ministry of Public Works (MOPW)

Completion
Ongoing

Value
AED 120 Million

Role
Construction Supervision



Improvements and Upgrading to Qusaidat - Sha'am Road

UAE

The project consists of the improvement and upgrading of the road between Sha'am Roundabout and Darah Border post(RAK) which is a single carriageway approximately 3.5 km long.

Client
Ministry Of Public Work (MOPW)

Completion
2013

Value
AED 42 Million

Role
Study, Design and Construction Supervision

**Improvements and Rehabilitation of
Road E88 (Sharjah - Al Dhaid - Masafi)
Northern Emirates, U.A.E.**

The project is a dual carriageway that extends for approximately 30 Km from Al Dhaid to Masafi and is part of the Employer's plan for Improvement and Rehabilitation of Road E88 (Sharjah-Al Dhaid-Masafi).

The works include:

- Planning, milling and removal of existing asphalt pavement layers.
- Limited excavation and earthworks.
- Asphalt paving: -
 - DBM wearing course for the fast lane, slow lane and shoulder with depths of 40 mm & 50m,
 - DBM base course for a depth of 70 mm in ~ 75% of the slow lane, -BM binder course for a depth of 60 mm in ~ 75% of the slow lane.
- Road marking for the dual carriageways.

Client
Ministry of Public Works

Completion
2015

Value
AED 48 Million

Role
Construction Supervision



**Improvement of Road (E311) from Ajman
Interchange to Exit 119 - Sections 1 & 2
Ajman, UAE**

The project is a 42 km dual carriageway, 3 lanes each direction. The Road started from exit 90 on Sheikh Mohamad Bin Zayed road and connect to RAK round about.

The works include:

- Removal of existing asphalt of slow lane and relaying new pavement layers.
- Milling of existing asphalt layer of fast and middle lane and relay new pavement layers.
- Limited excavation and earthworks.
- Road marking for the dual carriageways.

Client
Ministry Of Public Work
(MOPW)

Completion
2015

Value
AED 84 Million

Role
Design and Supervision



Khorfakkan West Ring Road

Khorfakan, UAE

CORE was appointed to supervise the construction of Khorfakkan West Ring Road, Ras Al Khaima.

The road is a continuation of the Eastern Ring Road starting from R/A at Khorakan - Fujairah Road and to connect with Difta.

The project included the reconstruction of 4 km of dual carriageway with a median, shoulders and 2 roundabouts.

The road is supported by street lighting, road marking, road signs, safety barriers, ROW fence, drainage works, slope protection and other road appurtenances.

Client
Ministry Of Public Work
(MOPW)

Completion
2014

Value
AED 38 Million

Role
Study, Design and
Construction Supervision

Internal and Access Roads for Residential Complexes (Group 1/Group 2/ Group 3

U.A.E.

The objective of the project is to construct link roads to residential complexes in various areas of the northern emirates.

The works include Designing of some roads (including street light and stormwater) and construction supervision of:

- Group 1: internal roads for 6 residential complexes of less than 50 houses with total length of 4,200m .
- Group 2: internal roads for 30 residential complexes of more than 50 houses with total length of 17,020m .
- Group 3: 10 access roads recommended in the over all Master plan with total length of 37,822m .

Client
Ministry of Public Works
(MOPW)

Completion
2016

Value
AED 94 Million

Role
Construction Supervision



INFRASTRUCTURE DEVELOPMENT AND PLANNING





**Infrastructure for Butain Al Samer
Residential Project.
Ras Al Khaimah- U.A.E.**

Butain Al Samer (BAS) development at Ras Al Khaimah (RAK) is an integral part of the overall master plan for Al Dhait-South suburban area which covers a total of about 25 square kilometers

Project is primarily a low density, self sufficient, residential villa development in the suburb area of the Emirate of Ras Al Khaimah.

The development's design and construction is divided into 4 quarters.

CORE have the design for quarter A and are designing quarter B currently. Our scope includes the design of Roads, Utility corridor, Stormwater Drainage, Street Lighting, Power Network, Telecom Network, Sewerage/Wastewater Network, Potable Water Network. Irrigation Network.

Client
Zayed Housing Authority

Employer
Ministry of Infrastructure
Development.

Completion
Ongoing

Value
AED 200 Million

Role
Detailed Design of Roads
and Infrastructure.



**Ain Al Fayda Private Mixed Use
Development**

Al Ain, Abu Dhabi, UAE

Preparation of Ain Al Faydah infrastructure and utility plan to serve 2000 villas in Al Ain.

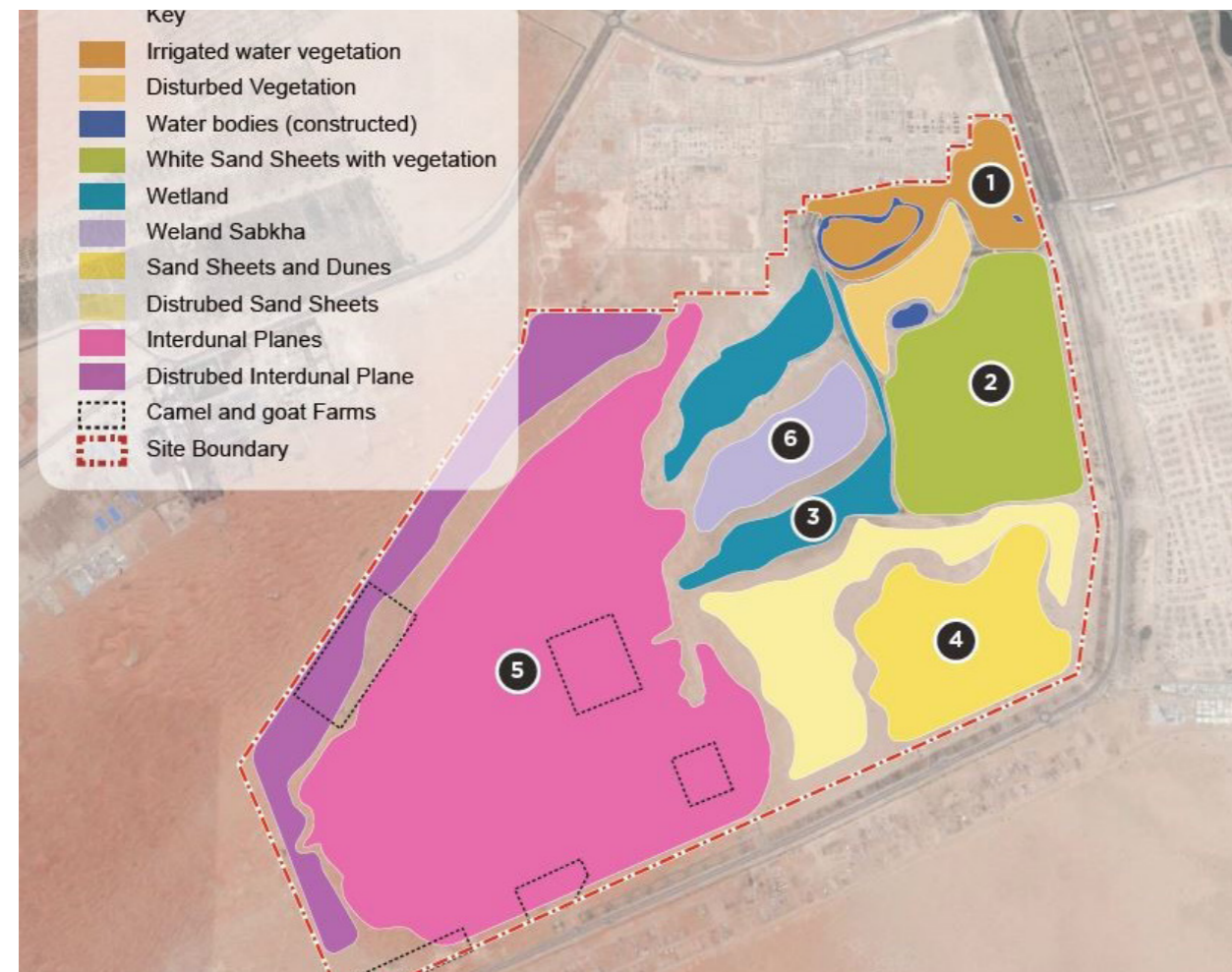
- Developing the proposed route to obtain route approval from client
- Follow up for design NOC's with the concerned authorities
- Assist main contractor to provide all required NOC from related authorities
- Setting out details drawings
- Road Profile – Alignment Drawings
- Roundabouts Typical Cross Section Sheets
- Pavement Section & Pavements Details
- Traffic control devices, roads marking and signage
- Plot gate levels.

Client
Al Qudra Real Estate

Completion
2016

Value
Confidential

Role
Detailed Design of Roads
and Infrastructure



**Villas Compound (40 Villas) for H.H.
Sheikh Saif Bin Mohammed Al Nahyan
Abu Dhabi, UAE**

CORE designed the utility network including:

- Potable Water
- Wastewater
- Storm water
- Irrigation
- Power
- Telecom
- Street lighting

The network needed to support the needs of an luxury villas compound located in Abu Dhabi.

Client
H.H. Sheikh Saif Bin
Mohammed Al Nahyan
Office

Contractor
Combined Group

Completion
2018

Value
AED 180 Million

Role
Detailed Design of Utilities
Network

**Stormwater and Irrigation Networks Connections
to Ain Al Faydah and Jebel Hafeet Developments.
Al Ain, Abu Dhabi, UAE**

The Emirati Housing Development projects; Ain Al Fayda and Jebel Hafeet began construction without the necessary irrigation and stormwater network connections to support their residents.

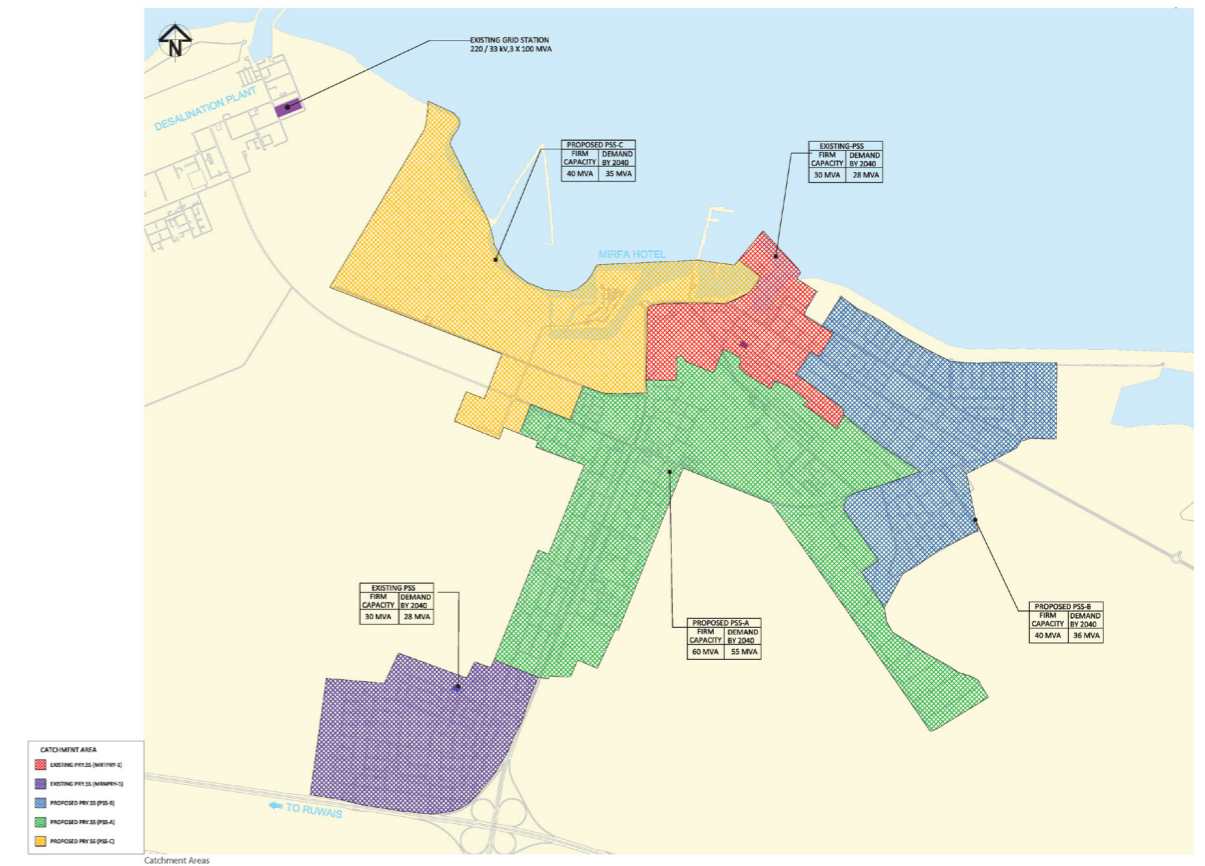
Despite obtaining design, stage approvals for each development, various disputes and adjustments to the irrigation and landscaping plans have resulted in a need for the initial approved designs to be reviewed and re-designed to meet the current and future requirements of the projects.

Client
Abu Dhabi General Services
Company PJSC (Musnada)

Completion
2016

Value
Confidential

Role
Review and redesign of
Stormwater and Irrigation
Networks and Connections



**Utilities Master Planning for Al Mirfa
Al Dhafra Region, Abu Dhabi, U.A.E.**

The scope includes providing updated master plan for Al Mirfa Town development as part of Plan Al Gharabia 2030 for principal client UPC.

CORE's scope includes providing multi phased utility networks development plan.

CORE developed the development phasing plans with demand forecast and high level cost estimates.

Client
Western Region
Municipality (WRM)(Now
Dhafra Region Municipality,
DRM)

Completion
2018

Value
Confidential

Role
Detailed Master Plan of
Power Network



Zayed City Development

Abu Dhabi, UAE

The area allocated for this project is situated along the Abu Dhabi-Liwa Road on the right side and comprises a total of approx. 360 hectares and will include 788 villas, 4 hospitals, 3 mosques 4 residential buildings, schools, recreational areas and facilities, shopping areas.

The project development started with the construction of the 788 villas for nationals that covers an area of approximately 170 hectors.

This Project was organized in 4 stages of construction. Each Individual project or contract was contracted concurrently, by the same contractor and under the supervision of the same consultant.

Client
Abu Dhabi General Services
Company PJSC (Musnada)

Completion
2008-2011

Value
AED 900 Million

Role
Project Management



South Shamkha and Al Wathba Residential Complex (Now Salman City)

Abu Dhabi, UAE

The area allocated for this project is Shamkha subdivision, located south of Abu Dhabi International Airport, 30 km from capital city center and comprising of an approximate area of 4,300 hectares.

This area is set up for the construction of 10,500 villas plus 1,300 single family houses for private investors, 900 town homes, a central business district and towers representing approx. 60 buildings of 4,200 apartments with all facilities usually associated with development of that size, i.e. green parks, shops, offices, schools, clinics retail and district centers etc.

The Master plan of South Shamkha Development Project was established in 2007/early 2008

Client
Urban Development
Committee (Now
Musnada)

Completion
2010

Value
AED 10 Billion

Role
Project Management

Ghayathi City

Al Dhafra, Abu Dhabi, UAE

The area allocated for this project is in Al Dhafra Region – Ghayathi. The project area is about 420 hectares.

This area is set up for the construction of 846 villas with all facilities usually associated with development of that size, i.e. green parks, shops, offices, schools, clinics retail etc.

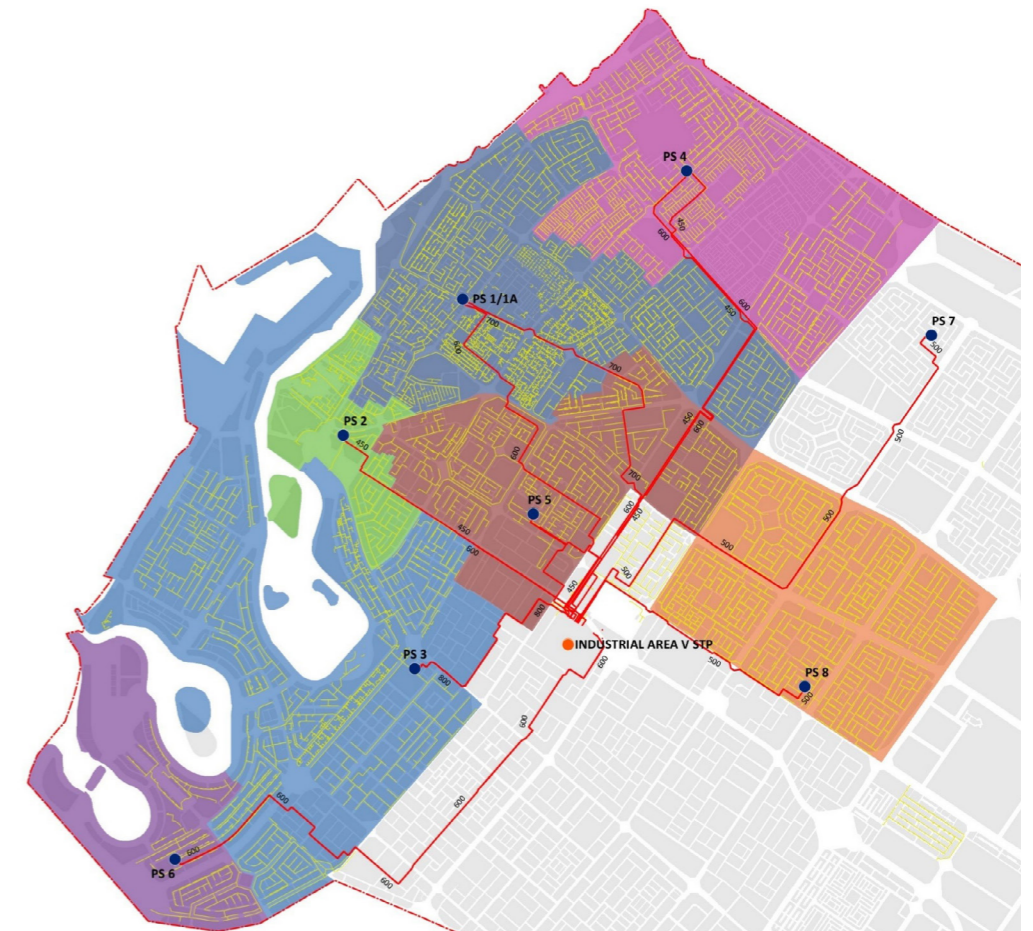
The Design and Supervision Consultant for the infrastructure works of Ghayathi City Project is Parson International Ltd.

Client
Urban Development
Committee (Now
Musnada)

Completion
2008-2012

Value
AED 1 Billion

Role
Design Management for
Infrastructure Packages



Consultancy Services for Drainage and Sewer Master Plan for the City of Sharjah Sharjah, UAE

The client appointed CORE to review and advise on works related to the sewer and drainage master plan prepared for the City of Sharjah, the main responsibilities were:

- Evaluate the monthly reports submitted by the main consultant.
- Attend the weekly meetings with the main consultant in order to update the progress of works.
- Evaluate the works schedule for the required master plan.
- Evaluate all the technical reports related to the mentioned project
- Attend all the technical meetings with technical representative of the First Party.

Client
Government of Sharjah -
Directorate of Public Works

Completion
2018

Value
Confidential

Role
Project Management

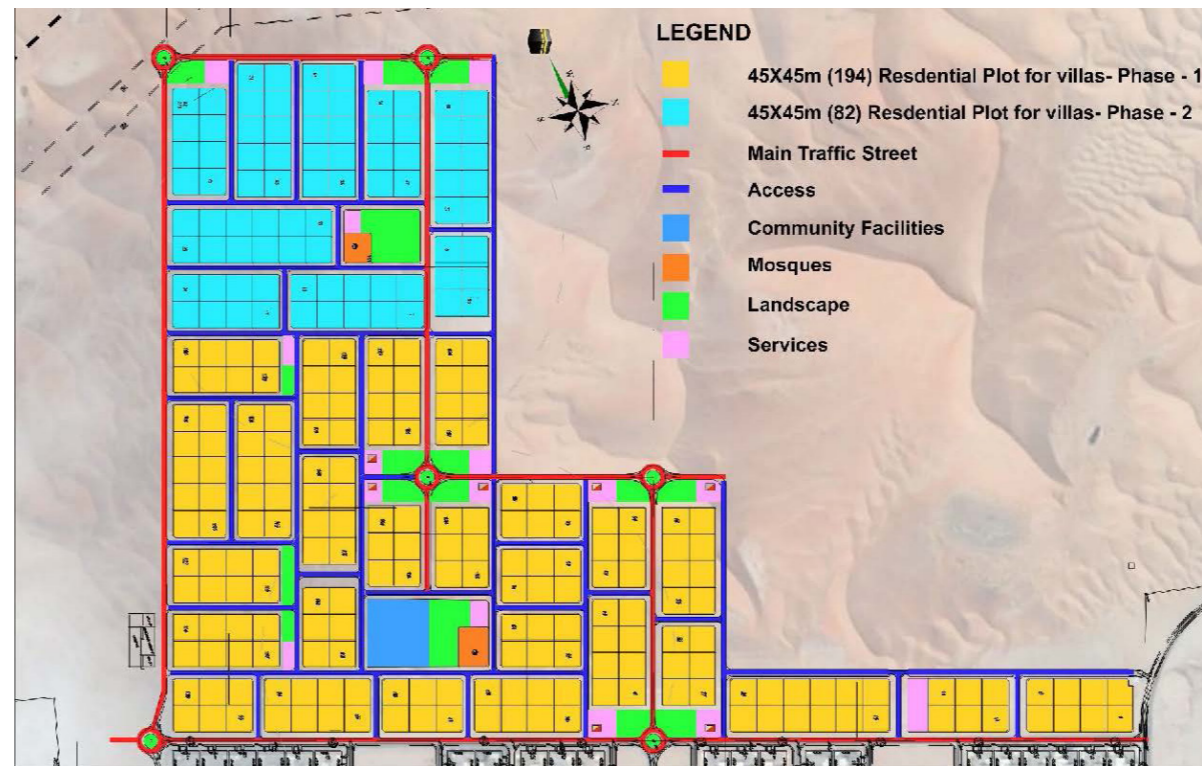
MASTER PLANNING AND REAL ESTATE DEVELOPMENT

**205 New Residential Plots in Al Qoa'a
Al Ain, Abu Dhabi, UAE.**

The project is the design of infrastructure, public realm and specific community services for the Detailed Masterplan of new residential plots in Al Qoa'a Area Al Ain, including the necessary connections to existing roads and infrastructure supply and discharge points for all utilities.

To successfully deliver a project that enhances the existing area for the intended owners of residential plots in Al Qoa'a, it was imperative that a series of objectives were established to assure that the needs and end user were fulfilled. Therefore, the project objectives were as follows:

- Finalize location for the proposed addition plots.
- Develop approved Masterplan for expected 205 plots
- Establish Land Use/occupancy of each plot and relative transport/utility demands
- Establish/verify land control points of existing farms in the area to be relocated
- Maintain an estimated project budget/cost approved by employer & Client.
- Obtain all necessary Stakeholder Approvals & NOC's to enable a construction contractor to proceed with the works upon tender award.
- Design all aspects of project to standards and objectives of Al Ain Plan 2030



Client
Abu Dhabi Housing
Authority (ADHA)

Employer
Abu Dhabi General Services
Company PJSC (Musnada)

Completion
Pre-Tender

Value
Confidential

Role
Detailed Master Planning,
Detailed Design of Roads,
Infrastructure, Public Realm

17 Private Residential Plots in Al Nabbagh.

Al Ain, Abu Dhabi, UAE

The project is the design of infrastructure, public realm and specific community services for the masterplan of the 17 private VIP residential plots in Al Nabbagh Area Al Ain, including the necessary connections to existing roads and infrastructure supply and discharge points for all utilities.

The key project objectives are as follows:

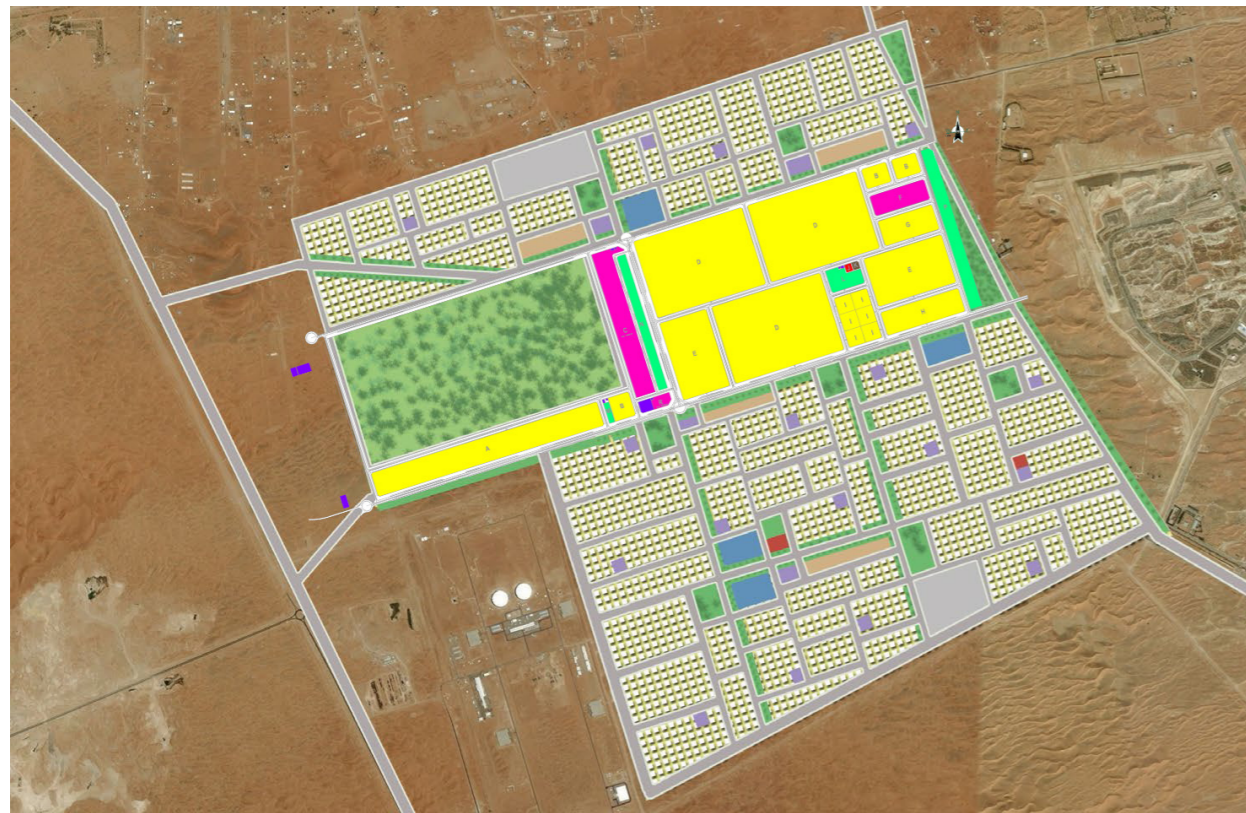
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- Design all aspects of project to standards and objectives of Al Ain Plan 2030

Client
Abu Dhabi General Services Company PJSC (Musnada)

Completion
Ongoing

Value
Confidential

Role
Infrastructure Design



Internal Roads and Infrastructure for New Al Bahia

Al Bahia, Abu Dhabi, U.A.E.

The project comprises the design services of the internal roads and Infrastructure Works for approximately 400 new infill residential plots at Al Bahia.

In addition, the area required 22 new Community Facility plots and Utility Services Plots in order to support the new requirements of increased residential population afforded by the project.

The approximate length of internal roads designed is 20KM.

The scope commenced with the revision and update of the master plan to incorporate new infill plots.

Client
Abu Dhabi General Services Company PJSC (Musnada)

Completion
Ongoing

Value
Confidential

Role
Updating of Master Plan and Detailed Design of Internal Roads and Infrastructure

Infrastructure and Internal roads for (12) Community plots in Baniyas North & North Al-Wathba and (64) Residential Plots in Baniyas North

Abu Dhabi, UAE

Design Consultancy for Internal Roads and Infrastructure works (Master plan, Concept, preliminary and Detailed design stages, Tender & Construction documents and design liaison)

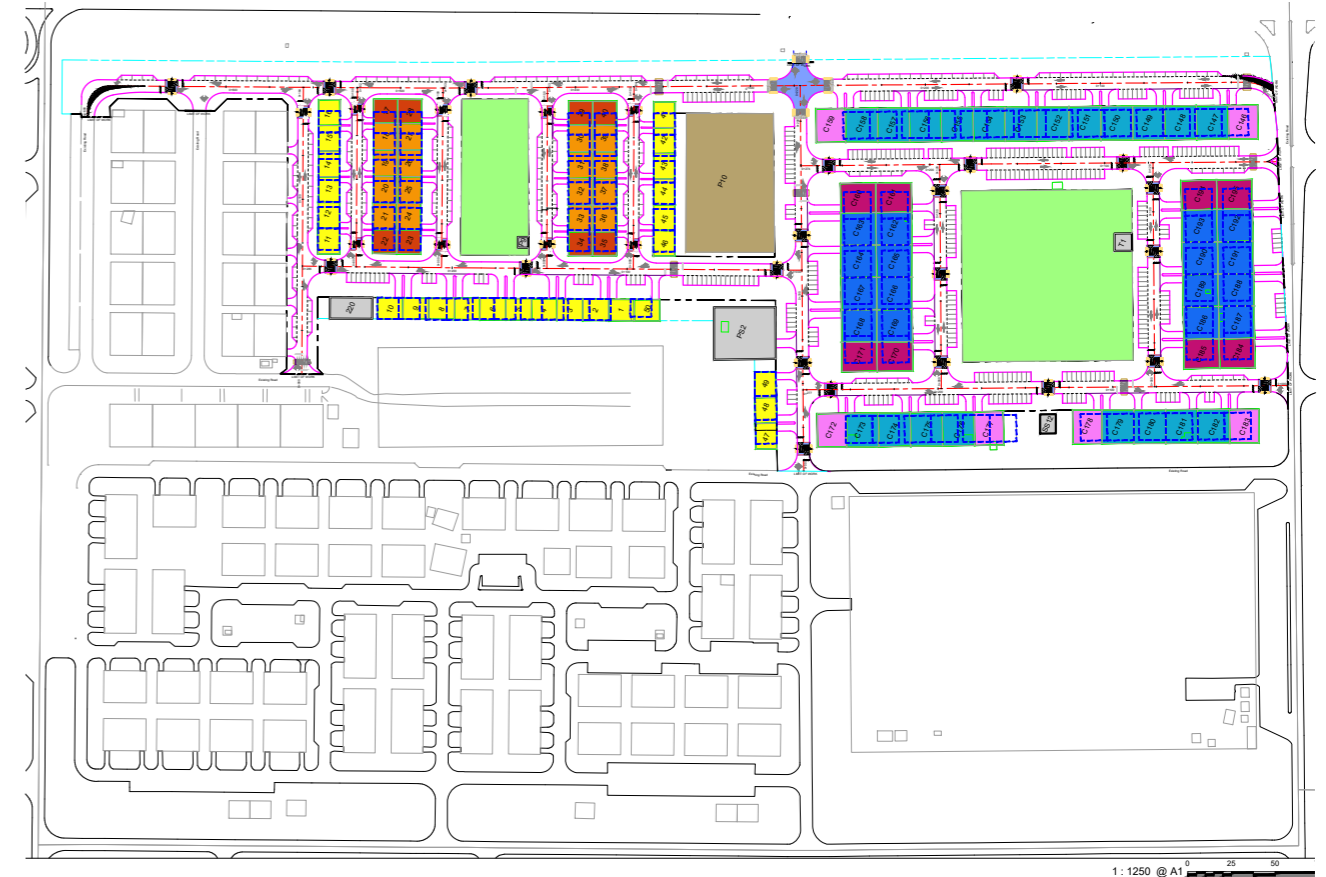
- Provide design for Internal Road length 7 Km and Infrastructure works includes (Storm water, sewerage, water supply, power, Telecom, street lighting, irrigation and hardscaping), that to serve 12 community plots in Baniyas north and north Al Wathbah and 64 Residential plots in Baniyas north
- Total project area for the 12 community plots (43,000) sqm
- Total project area for the 64 Residential plots (290,000) sqm

Client
Abu Dhabi General Services Company PJSC (Musnada)

Completion
December 2020
(Construction)

Value
AED 100 Million

Role
Infrastructure Design



**Infrastructure of Sector 3 West
Madinat Zayed - Al Dhafra Region**

Design Consultancy for Internal Road and Infrastructure works (Master plan validation, Concept, preliminary and Detailed design stages, Tender & Construction documents and design liaison)

Provide design for Internal Road length 2.8 Km and Infrastructure works includes (Stormwater, sewerage, water supply, power, Telecom, street lighting, irrigation and hardscaping), that to service around 100 residential plots

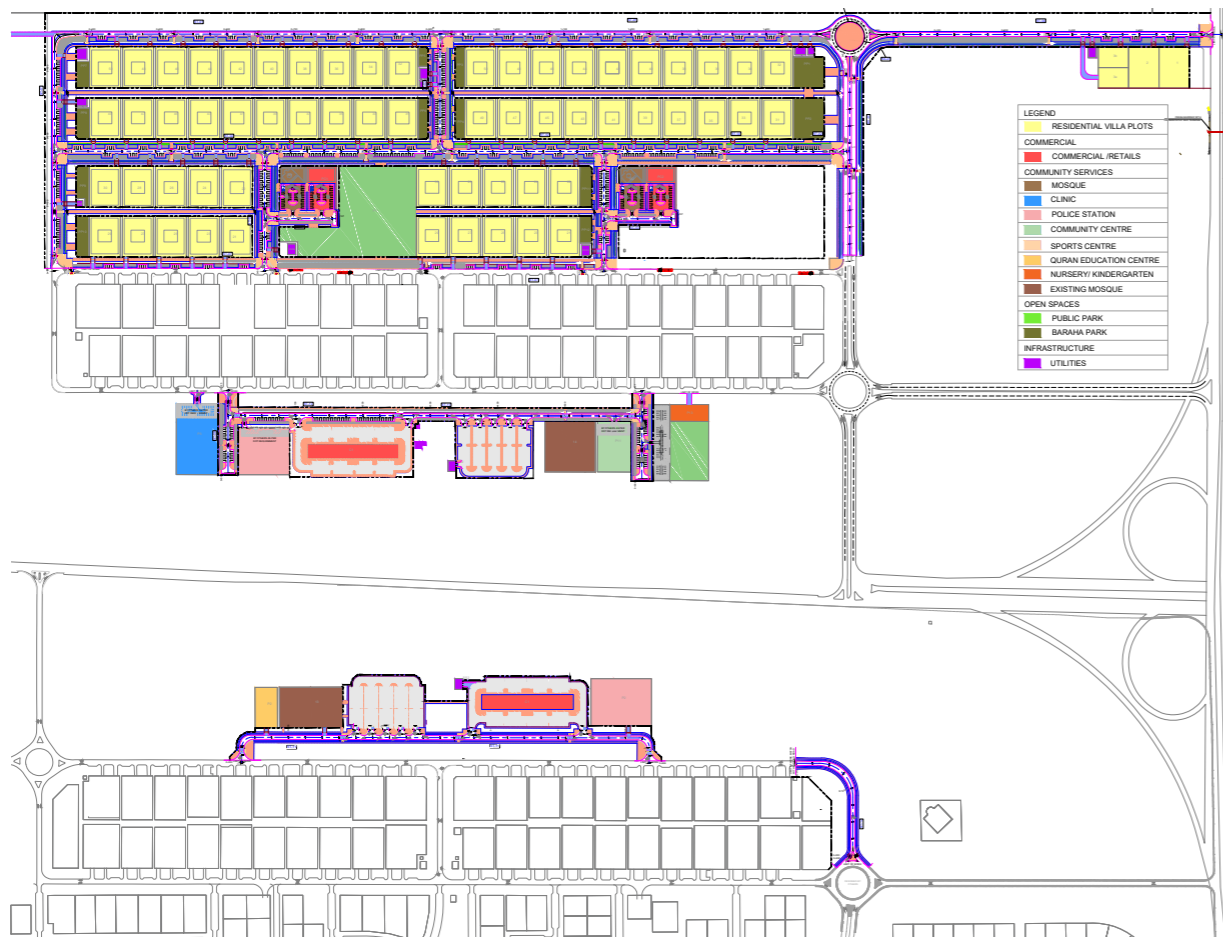
Total project area 106,000 sqm

Client
Abu Dhabi General Services Company PJSC (Musnada)

Completion
July 2020 (Construction)

Value
AED 36 Million

Role
Updating of Master Plan and Detailed Design of Internal Roads and Infrastructure



BUILDINGS



**Extension of French School
Abu Dhabi, UAE**

The project comprises of a basement, ground plus 3 storey building, incorporating additional classroom, cafeteria and laboratory space to allow the school to expand and offer additional spaces to the growing French community in Abu Dhabi.

The total BUA is approximately 4,200 m². At a cost of approximately 33 million dirhams, the project was due for completion in the early part of 2010.

Significant changes throughout the construction period added complications

to the project, but were managed in such a way as to minimize the impact on the end date.

Located on the island of Abu Dhabi, and in close vicinity of the existing school and to others in the area, the project had to consider the environmental effects of the construction on the students and staff alike.

CORE's team worked with the construction team to reduce the impact of the works on others, with an emphasis on programming of the works outside the school terms.

Client
Abu Dhabi General Services
Company PJSC (Musnada)

Completion
2011

Value
AED 32.7 Million

Role
Design Review and
Supervision



Al Marfa & Oqba Bin Nafea Schools
Western Region, Abu Dhabi UAE

The project comprises of 2 school buildings, each with a capacity of 800 students over an area of 16,000m².

Located in Marfa, some 160km away from Abu Dhabi City. The schools are very remote, but serve a growing community and replace the existing schools which are beyond the end of their serviceable lifespan.

CORE's team identified a number of cost savings and efficiencies on the project which have benefited the client, not only producing overall cost savings, but also offering the client to increase the specification of some materials within the original contract sum and without time extension

Client
Abu Dhabi General Services Company PJSC (Musnada)

Completion
2011

Value
AED 180 Million

Role
Project Management

Delma Island School
Delma Island, Abu Dhabi, UAE

The project site is located in Delma Island to the north-west of Abu Dhabi Emirate.

The project Plot No. is P27, and the Plot Area is 40,000 m2.

The new school shall be Cycle 1 (Mixed Gender- Boys & Girls) with 625 students capacity, in addition to Kindergarten that with 160 students capacity.

The School shall include Classrooms, Learning Communities, In-door Breakout Areas, Teachers Zone, multi-purpose Halls, Gymnasiums, Cafeterias, Assembly areas, Administration offices, in addition to Toilets and Other Facilities.

The School shall have Outdoor Spaces, shaded Assembly Zones, Playground, Landscaping, Pedestrian Ways, Roads, Bus Drop-offs, Staff and Visitors Parking.

Client
Abu Dhabi General Services Company PJSC (Musnada)

Completion
2018

Value
AED 107 Million

Role
Design Review and Supervision





Bida Al Mutawa School

Western Region, Abu Dhabi UAE

The project is one of two schools of the same design located in the far Western Region of Abu Dhabi.

Bu Rahman, alternatively known as Bid Al Mutawa, is a small township located some 30 km from the coast and 70 km from the Saudi border.

This remote location adds a number of challenges from a logistics perspective, not only in terms of construction material deliveries, but also in terms of recruitment and later accommodation for professional staff to manage and supervise the works.

Client
Abu Dhabi General Services
Company PJSC (Musnada)

Completion
2011

Value
AED 100 Million

Role
Project Management

Al Silaa School

Western Region, Abu Dhabi, UAE

CORE managed this project from late design stages through to construction activities. The head office team oversaw the completion of the design of this school, ensuring all relevant building permit processes were followed in a timely manner.

The site team was mobilized in August 2009 and worked hard with the contractor to get the project started on program. The school is one of two schools being constructed to the same design at a cost of approximately 100 million Dirham.

The team have identified a number of cost savings and efficiencies on the project which have benefited the client, not only producing overall cost savings, but also offering the client to increase the specification of some materials within the original contract sum and without time extension.

Client
Abu Dhabi General Services
Company PJSC (Musnada)

Completion
2011

Value
AED 100 Million

Role
Project Management





Rashid Abdullah Omran Hospital **Ras Al Khaimah, UAE**

The hospital is specialized in maternity and children. It also provides an Accident and Emergency Treatment unit.

A total of 100 beds distributed among maternity, children's and infants.

The hospital comprises 3 floors with one main entrance, one helipad, service block, emergency entrance, water treatment plant, mechanical floor in addition to 200 car park and water features.

A solar power system was introduced as part of main electrical power supply to the building and car park

Client
Ministry of Public Works
(MoPW)

Completion
2011

Value
AED 240 Million

Role
Design Review and
Supervision

Al Jawahri School

Western Region, Abu Dhabi, UAE

The project comprises of the main school building with a multi-purpose hall housing sports facilities, a cafeteria and a theatre.

The school has a capacity for 800 students and is built over an area of 16,000 m².

Located in the city of Marfa, some 160 km away from Abu Dhabi city, the school added more capacity of school places available to a growing community.

Client
Abu Dhabi General Services
Company PJSC (Musnada)

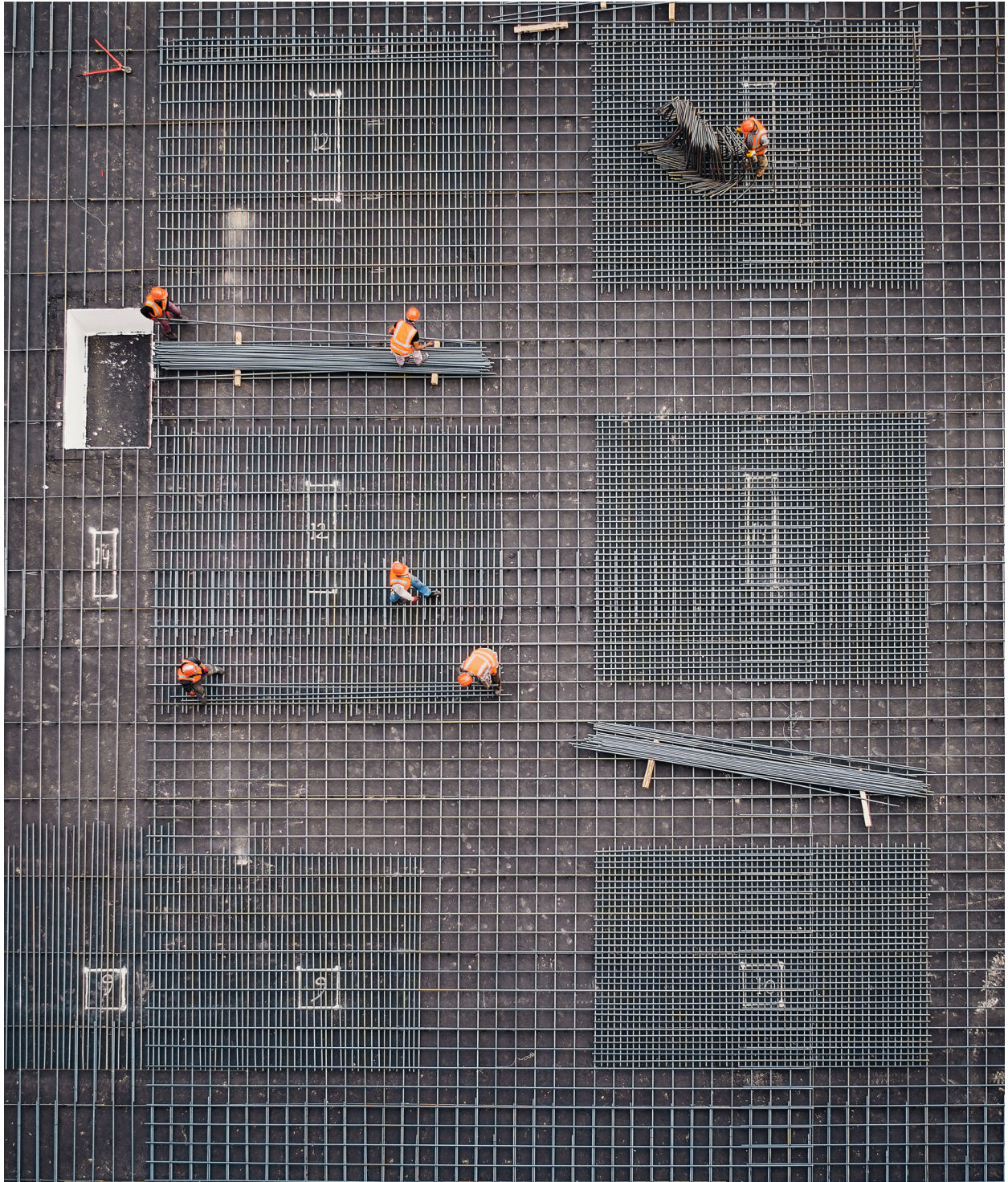
Completion
2011

Value
AED 72 Million

Role
Project Management







CORE

ENGINEERING
CONSULTANCY

Company Profile Selected Works

2007 - 2021

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