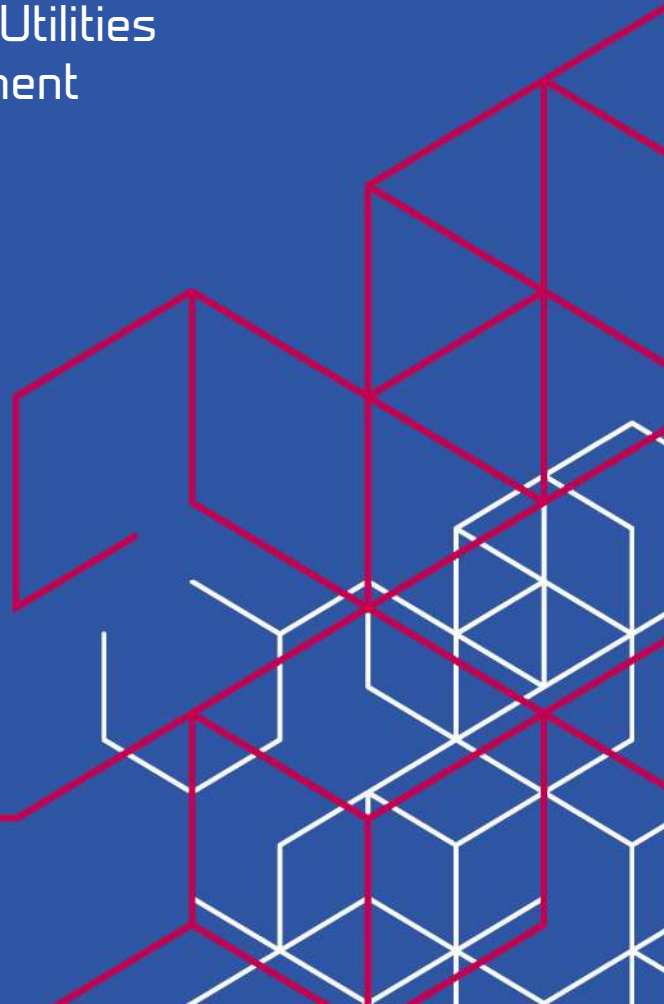


# Infrastructure & Utilities Capability Statement



**At AQLEH Engineering Consultant (AEC),  
our vision is to provide our clients with safe, sustainable, and  
innovative solutions, and services that comply with  
local and international standards.**

AEC has been established since 2006 in Dubai, UAE. We offer a wide range of services for many esteemed clients' that include Transportation Planning, Highways, and Bridges Design, Utilities and Networks Design, Contracts and Cost Consultancy, Construction and Program Management, and Landscaping and Public Realm, aiming to cater for all our client's needs to be provided in one integrated offer.

## **Our Vision**

is to provide our clients with safe, sustainable, and innovative solutions and services that comply with local and international standards.

## **Our Mission**

is to strive to accomplish a professional and creative environment for our staff to be able to apply their knowledge and expertise in a nurturing atmosphere.

## Our Services



### Highways & Bridges

- Highways & Roadway Design
- Intersection Design
- Road Signage Design
- Bridge Structure Design
- Tunnel Engineering & Design



### Infrastructure

- Dry Utilities
- Gravity Network
- Pressurized Network
- Pump Station Design
- Detention / Retention Pond / Tank



### Transportation

- Traffic Impact Studies
- Parking Studies
- Traffic Modeling
- Master Plan Support



### Cost & Consultancy

- Conditions of Contract
- Pre-qualification Tender
- Invitation to Tender
- Tender Analysis
- Contract Award



### Landscaping & Public Realm

- Site Feasibility Studies
- Landscape Design
- Streetscape Design
- Landscape Assessment
- Irrigation Design



### Construction Supervision

- Supervision of Construction
- Quality
- Time & Control
- Claims & Commission

**“Infrastructure & Utilities Design is an area of expertise where we offer our clients a complete solution.”**

### **“Infrastructure Utilities Team”**

Our Infrastructure team has experience in undertaking Infrastructure projects. We offer a full range of utilities and infrastructure services to our clients. It is a must for AEC to satisfy the utility service demands of the public as per the identified standards set by the local utility authorities. AEC’s utility team comprises of qualified engineers that handle the dry and wet infrastructure services.

Our service capability covers the complete project lifecycle, from concept development through to detailed design, financing, planning approvals and construction of small and large scale projects. We have the ability to develop specific solutions to cater for any aspect of the development to ensure the needs of all of their stakeholders are met.

### **“Approved Utilities and Infrastructure Consultant”**

AEC is on the approved list with the Dubai Municipality and are able to undertake projects to a value of **AED 200,000,000**. In addition to this, AEC is also approved by DEWA and FEWA.

### **“Comprehensive Knowledge”**

The Utilities team has developed a very comprehensive knowledge of the emirates most notably in Dubai, Abu Dhabi and Sharjah. They are fully acquainted with the processes and procedures that need to be adopted with all Authorities including obtaining the relevant NOCs from many years of experience in working on exciting and challenging projects throughout the UAE region.

### **“Proven Track in Delivering”**

Delivery of major projects requires a team of professionals to work in a fully integrated manner with the client, and who are fully capable of meeting project targets on time, on budget and to the quality expected. AEC has a proven track record in working closely with our clients and Authorities such as the Dubai Municipality in order to achieve an optimized and accelerated delivery schedule to fulfil all our clients’ goals. This we believe gives AEC an understanding of what is involved in delivering projects successfully to all our valuable clients and places AEC as the partner of choice to deliver projects that will shape the future of our emirates.

## Capability and Services

Our team currently offers its clients a wide range of services via the skill set of the Infrastructure & Utilities team. Set out below is a description of our current products and service offerings.

### Dry Utilities

Dry services include the design of **electrical power, street lighting, CCTV,** and **telecommunication** services.

The planning of electric power distribution in buildings and infrastructure facilities is subject to constant transformation. The search for an assignment-compliant, dependable solution should fulfil those usual requirements placed on cost optimization, efficiency, and time needs. At the same time, technical development innovations and findings from the practical world are constantly seeping into the planning process. Our experience and expertise on electric power distribution are intended to support and to provide you with a continuously updated and dependable design solutions.

On all improved highways or new highways including new car park layouts street lighting design is required. As traffic numbers and densities are increasing on our roads, it is recognized that lighting has an important role in making the public and private realm safer for pedestrians, vulnerable users and drivers of vehicles.

We offer an extensive range of street lighting design services, nationwide, to a number of key business sectors within the construction industry including Architects, Landscape Architects, Local Authorities, Civil Engineering Consultants, Property and Land Developers and Housing Developers.

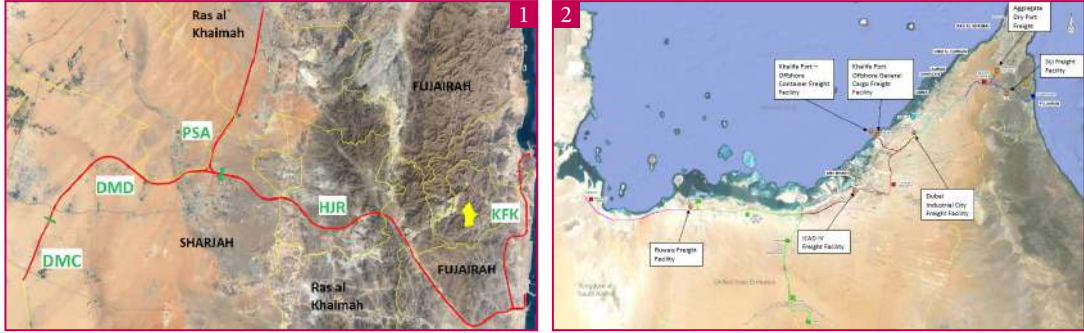
### Wet Utilities

There's nothing more powerful, important or potentially damaging than water- so we make sure that we get the job done right, the first time. Wet services include the design of **potable water, storm water, sewer, irrigation** and **firefighting systems**.

We specialize in the following storm, sanitary and water utilities including Mainline Services and Structures like pump stations and Storage tanks, Fire Suppression Services, Combined Sewer Overflow Separations, Water Lines, Storm Water Management Systems, Sanitary Lines, and Fire Hydrant Installation.

# Projects

A selection of the project experiences are set out below:



## Project 1: Etihad Rail - Stage 2, Package 2D

**Client: Systra**

Etihad Rail comprises a proposed railway network, linking freight facilities and passenger stations, and form a part of the planned Gulf Corporation Council (GCC) railway Network. It will run from Saudi Arabia border at Ghweifat in the west to the Northern Emirates and the East Coast. There will be a line running from Abu Dhabi to Al Ain, with intended connection into the Sultanate of Oman.

AEC was awarded the project for roads & highway design services for a number of crossing locations between the existing / proposed utilities network and the proposed Etihad Rail Alignment.

### Key Services:

- Roads & Highway Design for Fourteen (14) Locations.
- Utilities Protection, Relocation and Diversion.
- Stakeholder and NOCs Approvals (Sharjah, Fujairah and Ras Al Khaimeh).

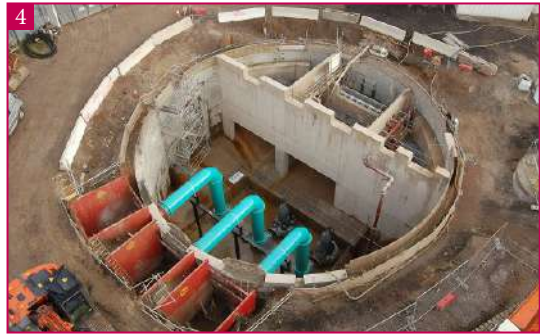
## Project 2 : Etihad Rail - Stage 2, Package 2F2

**Client: Systra**

AEC was awarded Stage 2 Package 2F2 of the development that will connect the Etihad Rail network through to the port of Fujairah on the eastern seaboard. This project will link future freight facilities and passenger stations to form a part of the GCC strategic railway network.

### Key Services:

- Devlope Road Design for E611 (Excl the bridge and MSE wall structure).
- Design NOCs from all relevant authorities (RTA, DEWA, DM, etc.).
- Temporary Traffic Diversion.
- Develop BIM for E611Road in relation to the roads and utilities network.
- Prepare BoQ for roads & utilities networks & value engineering.



### Project 3: R1015/3 Various Improvements & Implementing Quick Wins

#### Client: Roads & Transport Authority

AEC was awarded by Roads and Transport Authority (RTA) Roads Department the R1015/3A & 3B Various Improvements & Implementing Quick Wins in Deira & Bur Dubai.

The consultancy services required for this project was to undertake the design and construction supervision for improvements to existing roads and intersections, widening of existing roads, parking, kerb lines and/ or new construction of the same and any other minor road works deemed necessary through numerous Work Orders from the RTA Roads Department.

#### Key Services:

- Obtain Design NOCs and permits from all relevant Authorities.
- Cost Consultancy & Tendering Services.
- Construction Documentation & Supervision.

### Project 4: DS 197 - Sewerage & Storm Water Pumping Stations

#### Client: Dubai Municipality

Dubai Municipality intends to construct a new sewerage pumping station within a plot area of 10,000m<sup>2</sup> located along Sheikh Mohammed Bin Zayed Road at Me'aiseim First. The project comprises six building structures including sewerage pumping station, electrical building, accommodation building, chiller plant, firefighting tanks and pump station and fuel tank.

#### Key Services:

- Design of Underground Pump Station, Roads, and Utilities.
- Building Permits and Design NOCs from all relevant authorities.
- Cost Consultancy and Tendering Services.



### Project 5: Meydan Diamond Business Park

**Client: Meydan Group LLC**

Meydan Diamond Business Park (Meydan Avenue) has a total area of 110 hectares and comprises of mixed-use plots. It is located along Meydan Road and opposite to Meydan Hotel.

**Key Services:**

- Prepare Concept and Detailed Design for Roads & Utilities.
- Detailed Design of Utility Buildings, Lifting Stations, and Pumping Stations.
- Design Approvals, NOCs and Permits from all relevant authorities.
- Cost Consultancy and Tendering Services.



### Project 6: Jumeirah Central - Phase 1

**Client: Jumeirah Central Group**

Jumeirah Central Development is located in Safouh First Community opposite to Emirates Mall and covers an area of 160 ha. The development will create a new international mixed used district in Dubai.

**Key Services:**

- Detailed Design for Roads & Utilities (Dry & Wet).
- Detailed Design of Lifting Stations, Pumping Stations, and Storage Tanks.
- Building Permits and Design NOCs from the relevant authorities.
- Cost Consultancy and Tendering Services.





### Project 7: Meydan Horizon

**Client: Meydan Group LLC**

Meydan Horizon is located within the Meydan Development to the East of Dubai-Al Ain/Ras Al Khor Roads Interchange. A 180 hectare mixed use development including 2km long canal and park open spaces which will accommodate over 72,000 people.

**Key Services:**

- Electrical Master Plan for Phases 1 & 2.
- Detailed Design of Utilities (Dry & Wet).
- Detailed Design of Utility Buildings, Lifting Stations and Pumping Stations.
- Cost Consultancy and Tendering Services.



### Project 8: Mohammed Bin Rashid Al Maktoum City - District 11

**Client: Meydan Group LLC**

Mohammad Bin Rashid Al Maktoum City District 11 is located on a 330 hectare plot of land at the corner of Al Ain Road and Sheikh Mohammed Bin Zayed Highway and divided into several parcels which include residential gate communities, mixed use plots, schools & nurseries, retail shops, neighbourhood parks, Jumma mosque.

**Key Services:**

- Master Plan Evaluation and Concept Design for Utilities.
- Detailed Design for Utilities, Utility Buildings, and Pumping Stations.
- Cost Consultancy and Tendering Services.

## Project Experience

Below are further projects undertaken by our Infrastructure and Utilities Team.

Project	Client	Construction Value (AED)
RTA R1015/3	RTA	300 Million
Route 2020 Dubai Metro Red Line	RTA	220 Million
Al Sufouh Tram	RTA	180 Million
The Fields	G&CO	125 Million
MBR City - District 11 Phase 2	Meydan	140 Million
JLT Car Park - Cluster T	DMCC	7 Million
JLT Car Park - Cluster U	DMCC	8 Million
Detached Retail Units - JLT	DMCC	20 Million
Al Hamra Bridge in RAK	RAK Public Works & Services Dept.	55 Million
Palace Roundabout Improvement in RAK	RAK Public Works & Services Dept.	90 Million
Meydan Gated Community	Meydan	78 Million
Meydan Racecourse Villas - Water Bodies	Meydan	18 Million
R910 - Al Khawaneej 1st Road Construction	RTA	100 Million
Meydan Heights Villas	Meydan	100 Million
Meydan Racecourse Villa	Meydan	32 Million
Meydan Diamond Business Park	Meydan	102 Million
Modification of Jumeirah Beach Walk	Meraas / BSBG	7.5 Million
Deira Islands A and B	Nakheel	870 Million
Meydan Sewerage & Dirt Track	Meydan	10 Million
MBR City - District 1	Meydan	540 Million
MBR City - District 1 Bicycle & Jogging Tracks	Meydan Sobha	660 Million
MBR City - District 11 External Roads Phase 1	Meydan	480 Million
MBR City - District 11 Parcel A	Meydan	220 Million
MBR City - District 11 Parcel J	Meydan	180 Million
MBR City - District 11 Parcel C & D	Meydan	40 Million
Dubai Lagoon Development	Schon Properties	24 Million
Grand Views	G&Co	100 Million
Ten Bridges at Abu Al Abyadh Island	CIMA	98 Million

Conceive. Believe. Achieve.



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