



**SEERO**  
Engineering Consulting

**PLAN. DESIGN.  
SUSTAIN.**

**COMPANY PROFILE**

Seero is a professional multi-disciplinary firm that provides design, engineering, consultancy, and construction management services.

 [www.seeroeng.com](http://www.seeroeng.com)



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# About us

Seero is a professional firm that provides design and consultancy services in architecture, civil, transportation, structural, BIM, MEP and infrastructure design.

Our team members and leaders are the foundation for our success, as we attract the best and brightest talents across the world. Our team works hard consistently to achieve the client's objectives, driven by our core values and united by a common purpose to positively transform communities and make the world a better place.

Seero is proud to be an international consultant with an in-depth understanding of local requirements, practices, and culture which enables us to be a true partner with our clients. Our ability to understand and achieve our clients' goals and objectives are the key reasons for our success.



## Our Mission

Seero mission is to Plan, Design and Sustain Transportation, Buildings and Infrastructure Systems.



## Our Vision

By 2030, Seero will have five branches worldwide, five hundred professionals and more than two hundred achieved mega projects. By providing an excellence consultancy services that exceed the expectations of our clients through our key success factors.



## Our Success Factors



WORK EXPERIENCE



QUALIFICATIONS & MEMBERSHIPS



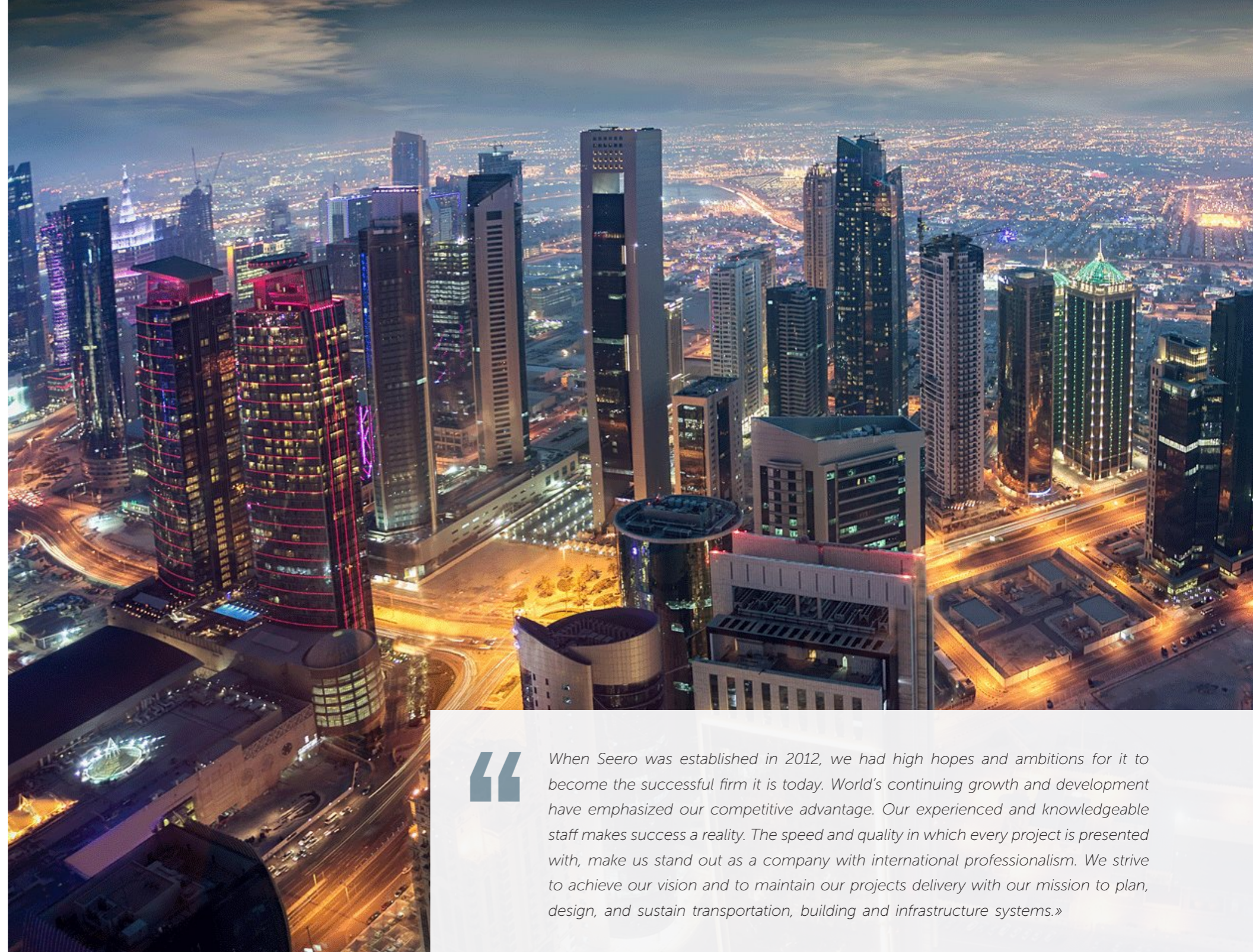
INTERNATIONAL EXPERTISE



CREATIVITY & PRODUCTIVITY

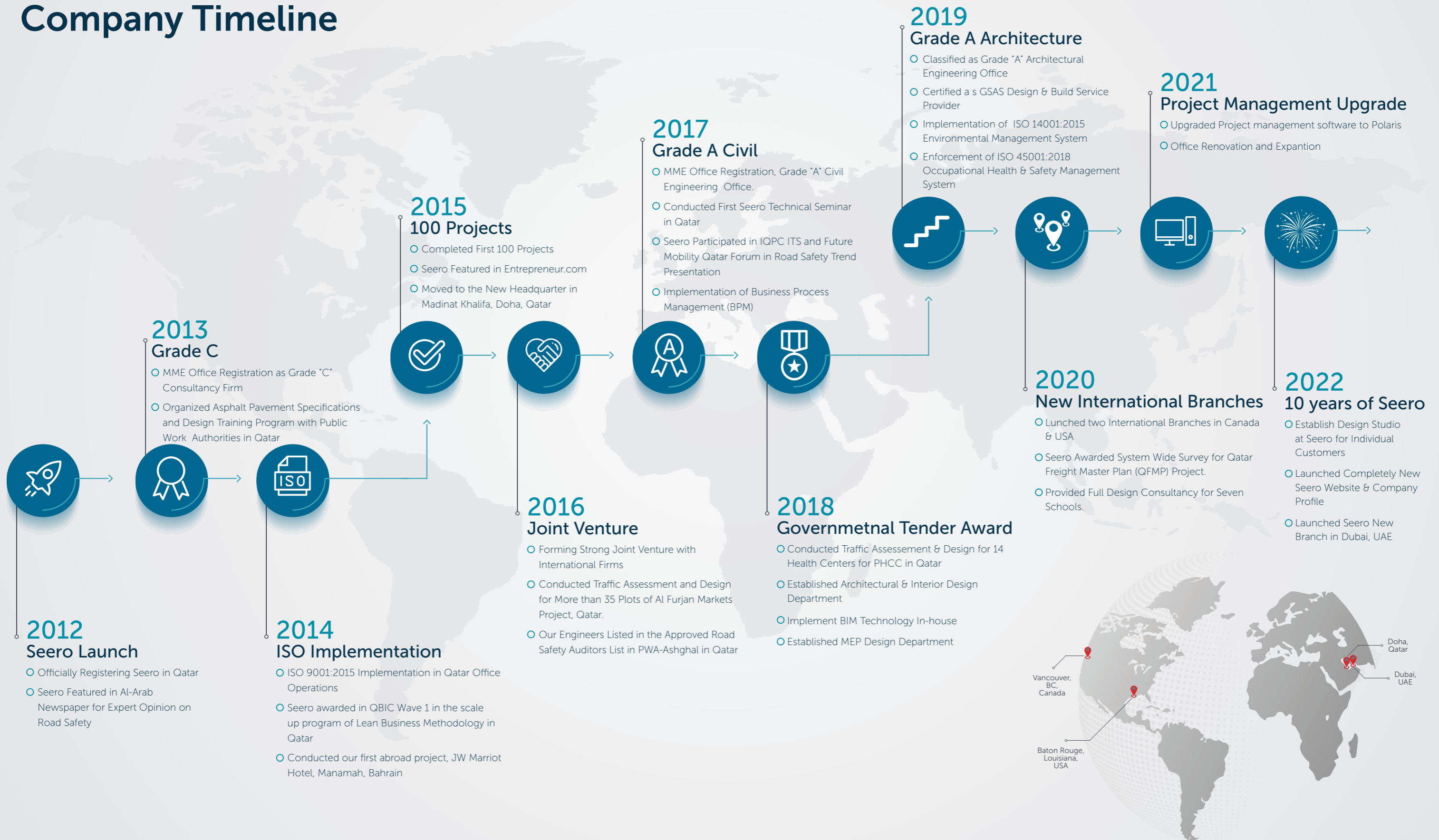


LOCAL KNOWLEDGE



*When Seero was established in 2012, we had high hopes and ambitions for it to become the successful firm it is today. World's continuing growth and development have emphasized our competitive advantage. Our experienced and knowledgeable staff makes success a reality. The speed and quality in which every project is presented with, make us stand out as a company with international professionalism. We strive to achieve our vision and to maintain our projects delivery with our mission to plan, design, and sustain transportation, building and infrastructure systems.»*

# Company Timeline



## 2012 Seero Launch

- Officially Registering Seero in Qatar
- Seero Featured in Al-Arab Newspaper for Expert Opinion on Road Safety

## 2013 Grade C

- MME Office Registration as Grade "C" Consultancy Firm
- Organized Asphalt Pavement Specifications and Design Training Program with Public Work Authorities in Qatar

## 2014 ISO Implementation

- ISO 9001:2015 Implementation in Qatar Office Operations
- Seero awarded in QBIC Wave 1 in the scale up program of Lean Business Methodology in Qatar
- Conducted our first abroad project, JW Marriot Hotel, Manamah, Bahrain

## 2015 100 Projects

- Completed First 100 Projects
- Seero Featured in Entrepreneur.com
- Moved to the New Headquarter in Madinat Khalifa, Doha, Qatar

## 2016 Joint Venture

- Forming Strong Joint Venture with International Firms
- Conducted Traffic Assessment and Design for More than 35 Plots of Al Furjan Markets Project, Qatar.
- Our Engineers Listed in the Approved Road Safety Auditors List in PWA-Ashghal in Qatar

## 2017 Grade A Civil

- MME Office Registration, Grade "A" Civil Engineering Office.
- Conducted First Seero Technical Seminar in Qatar
- Seero Participated in IQPC ITS and Future Mobility Qatar Forum in Road Safety Trend Presentation
- Implementation of Business Process Management (BPM)

## 2018 Governmental Tender Award

- Conducted Traffic Assessment & Design for 14 Health Centers for PHCC in Qatar
- Established Architectural & Interior Design Department
- Implement BIM Technology In-house
- Established MEP Design Department

## 2019 Grade A Architecture

- Classified as Grade "A" Architectural Engineering Office
- Certified as GSAS Design & Build Service Provider
- Implementation of ISO 14001:2015 Environmental Management System
- Enforcement of ISO 45001:2018 Occupational Health & Safety Management System

## 2020 New International Branches

- Launched two International Branches in Canada & USA
- Seero Awarded System Wide Survey for Qatar Freight Master Plan (QFMP) Project.
- Provided Full Design Consultancy for Seven Schools.

## 2021 Project Management Upgrade

- Upgraded Project management software to Polaris
- Office Renovation and Expansion

## 2022 10 years of Seero

- Establish Design Studio at Seero for Individual Customers
- Launched Completely New Seero Website & Company Profile
- Launched Seero New Branch in Dubai, UAE



# Our Sectors Diversity

Our multidisciplinary approach, innovative engineering solutions and long standing experiences are driving excellence to the world

The key of our success represented in the combination of our knowledgeable engineers with the skills in-house specialists. Seero is driven by the pursuit of quality - a belief that our surroundings directly influence the quality of our lives.

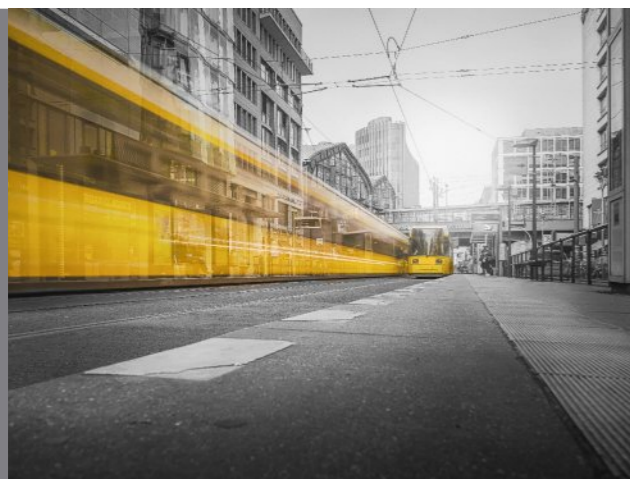
01



## Transportation Engineering

- Traffic Impact Study (TIS)
- Road Safety Audit (RSA)
- Traffic Survey/Counts
- Transport Modelling
- Traffic Impact Assessment
- Temporary Traffic Management (TTM)
- Traffic Signal Design
- Intelligent Transport System (ITS)
- Crowd Modeling Analysis
- Parking Management Systems
- Traffic Signs Design
- Road Making Design
- Master Planning
- Urban Planning
- Wayfinding Design
- Feasibility Study
- Value Engineering
- Authorities Approval

02



## Roads & Infrastructure Design

- Road & Pavement Design
- Stormwater & Drainage System Design
- Sewer System Design
- Street Lighting Design
- Underground Utilities Design
- InfoWorks Modelling
- Civil3D Modeling
- Site Supervision
- Landscape Design
- Irrigation System Design
- Micro-tunneling Design
- Flood Assessment
- Hydraulic System Design
- Street Furniture Design
- Manhole & Shafts Design
- Feasibility Study
- Value Engineering
- Authorities Approval

03



## Building Engineering

- Full Design Consultancy
- Architectural Design
- Structural Design
- Mechanical Design
- Electrical Design
- Lighting Design
- Fire Life Safety Design
- Interior Design
- Site Supervision
- Authorities Approval (AOR, DC1, DC2, BP, & CC)
- Geotechnical Study & Design
- Global Sustainability Assessment System (GSAS)
- Wayfinding and Signage Design
- Drawings Production (IFC, Shop & As-Built)
- Bill of Quantities
- Feasibility Study
- Value Engineering
- Authorities Approval

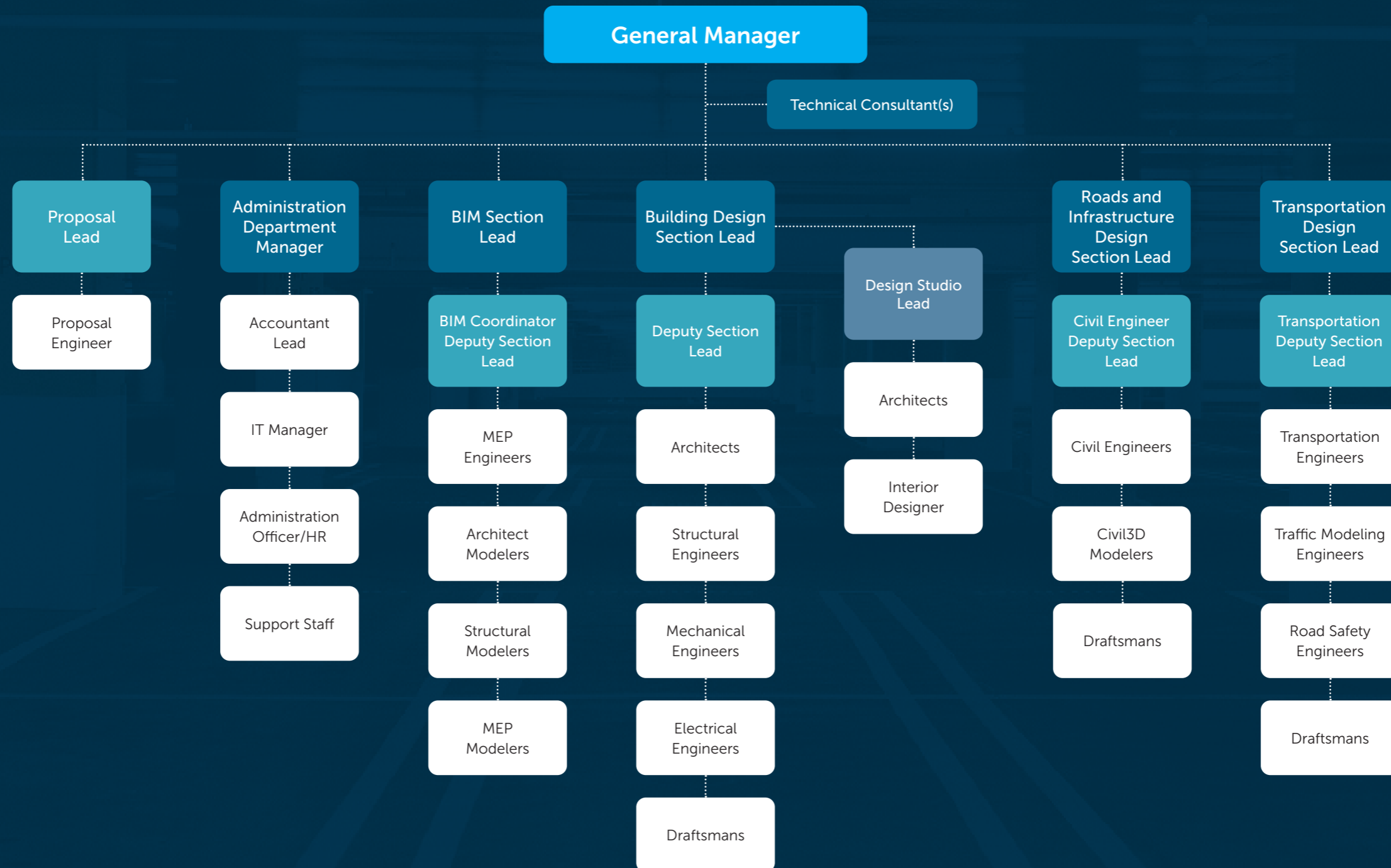
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## BIM Technology & Constructions Services

- 3D Modeling
- Rendering
- COBie & Facility Management
- Sheets Extraction (IFC, Shop, As-built)
- Phase Planning (4D Modeling)
- 5D Simulations
- Take-off Quantities
- 3D Videos/Animation
- Laser Scanning
- Drawings Production (IFC, Shop & As-Built)
- Bill of Quantities
- Feasibility Study
- Value Engineering
- Authorities Approval

# Seero Organizational Chart



# Key Projects

## • Design of External Works for landscape, Irrigation Network, Car Parking, and Services at Lusail

 <b>CLIENT</b> Private Engineering Office (PEO)	 <b>CONTRACTOR</b> UrbaCon Trading & Contracting UCC - InfraRoad JV	 <b>LOCATION</b> Lusail, Qatar.	 <b>SERVICE</b> Full Design Consultancy Service
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### Description:

The project consists of the following:

- Gardener House & Driver Lounge Building
- TSE Pumping Station
- Check Point Type C
- Check Point Type F
- Security Booth
- North & South Parking Area
- VIP & VVIP Parking Area
- All connected infrastructure/utilities to the above mentioned buildings and parking areas.




### Scope:

Seero provided all the design stages of the project items, the scope included the following:

1. Submitted the full package of design stages for concept, schematic, and detailed design.
2. Completed all IFC drawings and submitted them for approval from the consultant for all the disciplines.
3. Addressed all comments raised on the submitted IFC to the consultant and closed all comments for approval.
4. Ensured a full coordination in the IFC drawings between all disciplines and other contractors as-built work.
5. Provided all required design calculation reports and submitted them for approval.
6. Conducted design verification on structural elements.
7. Provided technical support for Contractors NCRs.
8. RFI Responses.



## • PHCC Health Centers

 <b>CLIENT</b> Primary Health Care Corporation (PHCC)	 <b>LOCATION</b> 14 health centers in Multiple locations	 <b>SERVICE</b> Traffic Impact Study (TIS) & Traffic Survey
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### Description:

The project is a combination of 14 health care centers, which are located in various geographical locations in Qatar. The main aim of the project is to improve the existing traffic condition and improve the pedestrian facilities by proposing major or minor adjustments depending on the project's existing conditions. The adjustments include traffic circulations, entry and exit points, road kerbs, parking area, street lighting and traffic signals.

### Scope:

The scope of the project is as follows:

#### Milestone [1]:

- Site visits for all components of the project.
- Coordination with health centers managements to collect data related to visitors and staffs.
- Topographical survey for the as-built layout plans.
- Traffic survey to collect traffic data
- Site investigation, gap analysis and recommendations report for review and upgrade of traffic signs, road marking, vehicular flow, pedestrian paths, and accessibility for the disabled.

#### Milestone [2]:

- Site Development Review Plans include complete set of updated as-built drawings and a report that includes site survey findings, recommendations and modifications.
- Detailed Design Drawings for construction.
- Complete tender package and BOQ for the construction works of the designed modifications for contractor selection.



# Key Projects

## • System Wide Survey for Qatar Freight Master Plan (QFMP)

 <b>CLIENT</b> Ministry of Transport (MOT)	 <b>CONSULTANT</b> DB Engineering & Consulting	 <b>LOCATION</b> Doha, Qatar.	 <b>SERVICE</b> Traffic Surveys
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### Description:

As part of Qatar National Vision of 2030, Qatar Freight Master Plan Project has been introduced to overcome the freight congested networks and to provide sufficient freight facilities. The mission of this project is to deliver a multimodal freight system to support the ultimate vision. Seero has been awarded to cover the traffic data collection part of the project by surveying different sites allocated all over Qatar. A total of thirteen surveys has been conducted to capture the freight vehicular movement, truck parking points, truck drivers behavior, freight traffic routes, trucks classifications and characteristics and other related data.

### Scope:

Seero scope carried out surveys as part of the Qatar Freight Master Plan project. Seero provided surveys, work permits/official permissions from all stakeholders for each site for the required works. seero provided the following:

- Automatic Traffic Counts (ATCs)
- Manual Classified Counts (MCCs)
- Pedestrian and Cyclist Interview
- Road Side Intercept Survey
- Commercial Operator Stated Preference Survey
- Truck Parking Interview
- Axel Load Survey
- Turning Movement Counts (TMCS) & Queue Length Surveys
- Pedestrian and Cyclist Count
- Corridor Travel Time Survey
- Commercial Operator Revealed Preference Interview
- Truck Parking Count
- Truck Typer, Size, and Axel Configuration Survey



## • La Plage South – The Pearl

 <b>CLIENT</b> H.E. Sheikh Hamad Bin Jassim Al-Thani	 <b>CONSULTANT</b> MZ & Partners	 <b>LOCATION</b> The Pearl, Qatar.	 <b>SERVICE</b> Civil Design Work, StormWater, Drainage, & Pavement Design, Limited TIS
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### Description:

Seero Engineering Consulting LLC conducted the civil design works for "La Plage South" which consists of residential buildings and villas in The Pearl, Qatar, in addition to traffic related requirements.

The project has been located on a plot area of almost 175,000 sqm, where the total built-up area is around 280,000 sqm.



### Scope:

Seero conducted the civil design of roads and related facilities, in addition to the traffic related requirements. The scope of work is as follows:

- **Civil & Road Design**
  1. Roads Geometric Design
  2. Roads Pavement Design
- **Wet Utilities**
  - Storm water Drainage System Design
- **Traffic related Requirements & Urban Facilities**
  1. Road Lighting Layouts
  2. Site Development Plans for Ground Floor and Basement Floors that includes:
    - a. Cyclist Tracks
    - b. Sidewalks and Curbs Design
    - c. Roads Marking Design
    - d. Roads Signage





# Key Projects

## • Bus Shelters and Bus Stops

**CLIENT**  
PWA - Ashghal

**CONSULTANT**  
AECOM Middle East

**LOCATION**  
Doha, Qatar

**SERVICE**  
Site plans and  
Underground  
Utilities drawings

### Description:

This project titled "design and build of bus stop shelters and associated infrastructure" aims to construct and upgrade around 2700 bus stops. The stops will have either air-conditioned shelter, non-air-conditioned shelters and stops with only bus stop sign pole. All three structures include information screens that provided the users with important information regarding the estimated buses arrival time, routes and destinations.

### Scope:

Seero scope of work was to validate the exact location of the bus stops in Qatar and provide underground utilities design drawings for construction activities. The utilities that are included in this scope are LV, HV & EHV, MV, Ooredoo, QAF, potable water, storm water drainage, foul sewer and TSE. Seero team studied each location and determined how to coordinate the utilities with the bus stop to avoid clashes.

Seero produced design drawings that indicate the infrastructure utilities required at each location.

Infrastructure utilities were as per bus infrastructure guidelines and the approved typical bus stop layouts by MOTC, QHDM and QTCM.



## • Roads in Zone 14, 15, 16, 24, and 25 Development Projects

**CLIENT**  
PWA - Ashghal

**CONSULTANT**  
UNii Engineering  
Consultancy

**LOCATION**  
Doha, Qatar

**SERVICE**  
Site plans and  
Underground Utilities  
drawings

### Description:

The project comprises redesigning of some of the existing roads aiming to provide better riding quality and proper pedestrians connectivity in addition to improved stormwater management in 5 zones in the State of Qatar namely, 24, 16, 15, 14 and 25. The improvements extend through almost 15 km of different urban road classes (Local – Arterial) within Doha City. The mentioned zones are considered one of the oldest in Qatar, therefore the improvements considered all the existing super and infrastructures to deliver an optimal design with minimal adjustments to the site.

### Scope:

Seero carried out Detailed Road Design for multiple roads within zones 14, 15, 16, 24 and 25 in Doha city. Based on the topographic survey, the roads are designed to respect the proposed road utilities. Seero team studied the existing road elevation and proposed a complete detailed design for the road profiles and typical cross sections and pavement layers as per QHDM, PWA and QCS standards. The coverage levels of the proposed surface water manholes and gullies were also studied and presented in the drawings. Seero also advised the client by the location and spacing of road gullies that had to be changed.



# Key Projects

## • Station Area Around Msheireb Metro Station

 <b>CLIENT</b> Qatar Railways Company	 <b>CONTRACTOR</b> Consolidated Contractors Company (CCC)	 <b>LOCATION</b> Msheireb, Qatar	 <b>SERVICE</b> Infrastructure Civil 3D Modeling Shop Drawings
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### Description:

The proposed project is for the roads surrounding Msheireb metro station. Msheireb station is the main and the first rail station to be opened in Qatar. Seero Engineering Consulting was assigned to produce all the drawings related to the infrastructures while doing full clash analysis and shop drawings for multiple areas within the project plot. This project required full modelling of the station area using different software (e.g. Civil 3D, Naviswork) to precisely place all the infrastructures routes and to guarantee that there is no clash between them.

### Scope:

- Back fill detailed drawings for the proposed areas.
- Vehicles access and pedestrian Access/Egress points.
- Roads Full Detailed Drawings.
- Underground Utilities Clash analysis and Clash mitigation.
- Roads Shop Drawings.
- Underground Utilities Shop Drawings



## • Al Wakrah Bus Depot

 <b>CLIENT</b> Ministry of Transport (MOT)	 <b>CONTRACTOR</b> AlTawfeeq & Partners Contracting	 <b>LOCATION</b> Al Wakrah, Qatar	 <b>SERVICE</b> Detailed Road Modeling using Civil3D
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### Description:

Al Wakrah Bus depot is one of the largest bus depots to be constructed in the state of Qatar, with an area of about 128,000 sqm. In order to develop an accurate and complete BIM model for the entire roads and hardscape areas, the roads and hardscape areas had to be modeled using Civil3D, this is due to the limitation of Revit in this manner. The model reflected the IFC drawings levels, thus easing the clash detection and amending process.

### Scope:





Seero provided the client with Civil3D Modeling for the roads and landscape element. Seero team received the IFC drawings set including the grading plan for the roads and landscape and developed the Civil3D model based on the finish levels, Seero provided the client with:

- Civil3D models
- Extracted solid models



# Key Projects

## • Design of Additional Buildings to Existing Schools

 <b>CLIENT</b> PWA - Ashghal	 <b>CONTRACTOR</b> AMANA Contracting & Bojamhoor Trading & Contracting	 <b>LOCATION</b> Doha, Qatar	 <b>SERVICE</b> Design Consultancy service & Technical Support
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### Description:

Design for additional buildings to existing schools project. The project consists of seven schools that are constructed in different locations in Qatar, in addition the schools are divided into multiple combinations with three different shapes of extensions. Seero provided design consultancy services for this project including civil, architecture and MEP Design.




### Scope:

Seero carried out the Design Consultancy works including the Architectural, Structural, and MEP Design of the proposed schools and inline with local standards and specification and international best practices. Seero submitted the Detailed designs documents to the relative authorities and all other relevant stakeholders for approval. Seero executed the followings:

1. Collect and review all projects documents, specifications, and drawings.
2. Prepare all required documents and design drawings for DC1 approval.
3. Prepare all required documents, calculations, and drawings for DC2 approval.
4. Follow up with the authorities for approvals and obtaining Building Permit.
5. For the modifications of the existing buildings, Seero conducted site survey for all visible MEP systems and items in order to be upgraded for QCDD approval.
6. Seero team communicated with MME, and PWA, etc. in order to collect the architectural as-built drawings for the existing buildings (that require modifications).



## • Upgrading of Mesaimmer Road P008 C3

 <b>CLIENT</b> PWA - Ashghal	 <b>CONTRACTOR</b> Consolidated Contractors Group (CCC)	 <b>LOCATION</b> Doha, Qatar	 <b>SERVICE</b> Consultancy Works
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### Description:

Design Services were requested for the proposed additional roads within the new entry and circulation road for the nine pearls residential complex. In addition, some locations along Mesaimmer Road (P008 C3) required traffic survey using Turning Movement Counts (TMC).

### Scope:

Seero provided the design services related to the nine pearls residential complex through 4 main stages as follows:

1. Geometric design of the entrance and circulation roads
2. Pavement Design
3. Stormwater drainage design
4. Proposing the protection of existing utilities based on authorities standard details

In addition, the following deliverables were submitted for the required traffic count locations that included:

1. The Data of Turning Movement Counts (TMCs).
  - Traffic Survey raw and processed data file
2. Traffic Survey Report.
  - Traffic Survey Report includes description of the site conditions for each survey location, junction and lane configuration summary of the survey results in addition to data consistency check.

Seero also verified the structural integrity of the existing shaft (ASO 31) which clash underneath the 9B peri tower foundation at Mesaimmer road. Seero delivered a structural design verification report.



# Key Projects

## • Pedestrian Bridge in B-Ring Road



**CLIENT**  
PWA - Ashghal



**CONTRACTOR**  
BOOM Construction



**LOCATION**  
Doha, Qatar



**SERVICE**  
Design Consultancy  
service & Technical  
Support

### Description:

The SL22- structure is an Iconic pedestrian bridge with an overhead shading feature on the top Bridge deck and staircases. It is located in the Al Matar Street, Doha, on the segment of the street placed between Ras Bu Abboud Street (A Ring road) and B Ring road.

### Scope:

Seero's scope of work collecting all the available data and concept design drawings that is approved by PWA, the Designs Department. In addition, Seero obtained the Roads layouts and cross section details from the approved roads design to be adhered during the design stage for PWA approval.

Seero planned and controlled the design Works in accordance with the Employer's Requirements. For planning and control purposes, the works were divided into the following stages:

- Stage A: Concept Design
- Stage B: Detailed Design, and final approvals from all Stakeholders and Permits.
- Stage C: Pre-Construction (enabling works).
- Stage D: Construction works, and then Hand Over and open for use works.

Deliverables of the full package design included:

1. Detailed Design Reports, Drawings and Specifications for all disciplines.
2. IFC Design Reports, Drawings and Detailed Un-priced Bill of Quantities (BOQ) for all disciplines.
3. IFC Specifications related to Architectural, Structural, & MEP design including detailed schedule of materials.



## • Qatar University, New College of Law



**CLIENT**  
Qatar University



**CONTRACTOR**  
Bojamhoor  
Trading &  
Contracting W.L.L.



**LOCATION**  
Doha, Qatar.



**SERVICE**  
Clash-Free 3D Fully  
Coordinated Models at LOD  
400, LOD 500 As-built

### Description:

The project is already constructed, and all shop drawings, as built drawings, and material submittals got approved by the supervision consultant and the client. Seero was requested to provide BIM Consultancy services for the New College of Law at QU.



### Scope:

Seero scope of work is to provide the client with the required BIM Consultancy services by developing fully coordinated clash-free construction 3D BIM models at LOD 500 based on the approved as-built drawings. The model covers the elements of architecture, structure and MEP disciplines.



# Key Projects

## • United School International in The Pearl Qatar

 <b>CLIENT</b> United Development CO. (UDC)	 <b>CONTRACTOR</b> Al Darwish Engineering	 <b>LOCATION</b> Doha, Qatar.	 <b>SERVICE</b> Full BIM Modelling (Arch, Structural, and MEP)
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### Description:

The project is the United School International (B+G2+) which located in Pearl Qatar. The project plot area is 44,000 m<sup>2</sup> and the total Gross Floor area is 31,902 m<sup>2</sup>. It consists of one basement, ground floor and two top floors.



### Scope:

Seero Engineering Consulting carried out the Building Information Modeling (BIM) of Architecture, Structural, MEP for United School International (B+G2+). The main scope of work listed below:

1. Review the whole model and detect any clashes on all systems to be reported to the client.
2. Conduct workshops with the client to resolve the clashes in order to be implemented in the BIM model.
3. Produce shop drawings as zero-clash extracted from Revit for all design disciplines



## • Lusail Plaza of Lusail Towers

 <b>CLIENT</b> Lusail Real Estate Development Company	 <b>CONTRACTOR</b> QD-SBG Construction W.L.L	 <b>LOCATION</b> Lusail, Qatar.	 <b>SERVICE</b> Full BIM Modelling (Stormwater System and ELV Systems)
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### Description:

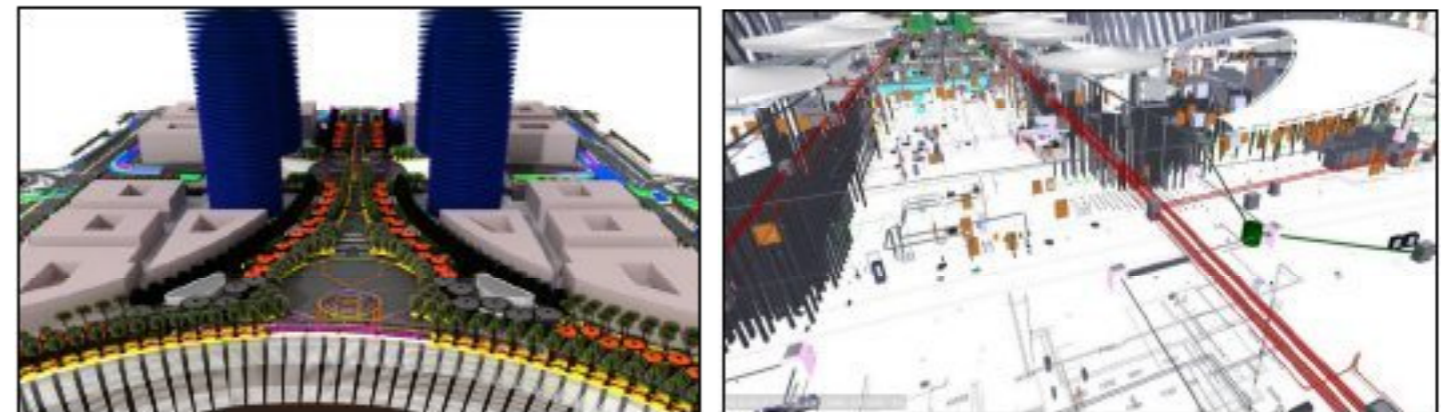
Lusail Plaza consists of four high rise & tallest towers in the State of Qatar which are iconic buildings in Lusail arena. Two towers consist of 70 stories and two of 50 stories totaling a GFA of 660,000 sqm. Lusail plaza is the area between the Lusail four towers which consist of theaters, coffee shops, sitting areas and greenery with such a significant view to the sea. The project area is huge and considered as a landmark in Lusail City.



### Scope:

Seero Scope of work was implementing BIM using Revit software, for Full MEP design, storm water design, and shop drawings production which includes the following:

1. ELV Networks which are:
  - Data Cables Ooredoo ONT
  - Telephone System
  - Public Speaker Systems
2. Electrical Cables for MV and LV Systems and Calculations
3. Photovoltaic Systems
4. Manholes Quantities, only in case of clashes if observed in BIM model
5. Storm Water Network
6. Foul sewer network



# Contact Information

## Qatar

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