COMPANY PROFILE

OPPORTUNITIES THROUGH EXCELLENCE

2024

WWW.SUPERARC.NET

ABOUT US

Founded in 2018, Super Arc Consultant (SAC) is a multi-disciplinary design and engineering consultancy firm providing services for all types of Structural and Infrastructural projects. With a highly professional managing team having over 20 years of experience in consulting, we can deliver innovative and smart structural, Infrastructural & Geotechnical solutions for complex challenges

DESIGN SOLUTIONS

Focusing on architectural, structural, geotechnical, infrastructure engineering and construction works supervisions. Super Arc Consultant carries out work on all types of structures, operating in the Design & construction field to provide expert, independent and impartial services concerning problems with existing buildings and structures as well as new structures.
We deliver design/design-build, program/construction management, and other professional services packaged in innovative alternative delivery methods to regional and local government agencies as well as to private industrial customers worldwide.

OUR MISSION

Our mission is to contribute to the success of our clients by providing an unmatched combination of our people's technical excellence, practical experience, and responsiveness.

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QUALITY POLICY STATEMENT

SAC's Abu Dhabi will operate and grow as center of excellence for providing professional Design and Project Management Consultancy Services for architectural and engineering projects through a proactive strategy that takes into account both the characteristics of the market and the requirements of Clients. In order to drive this, all SAC staff should understand that Client care is a shared responsibility and a day-to-day activity. All members of staff are encouraged to view each project as an opportunity to exceed Client expectations through the provision of the highest quality services.

Advancing our business through strong Client relationships

Quality Management Systems implemented by SAC's Abu Dhabi office is intended to ensure that the Quality Policy and objectives of SAC are achieved whilst ensuring compliance with local regulatory and statutory requirements. This includes meeting and exceeding the requirements of ISO 9001 at the earliest opportunity. Our Quality Management Systems will be regularly reviewed and continually improved in order to ensure that our performance is as cost-effective and efficient as possible

Mohammad Alhusein, PhD
CEO

INTRODUCTION

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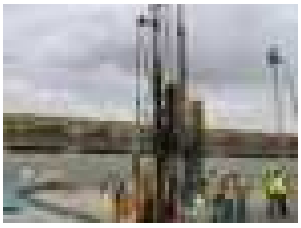
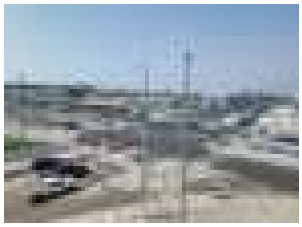


Geotechnical engineering

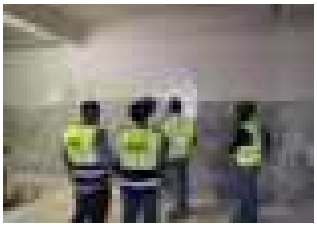
Hydrological Engineering

Structural Engineering

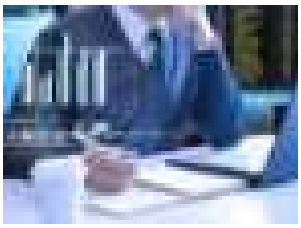
Building Assessment



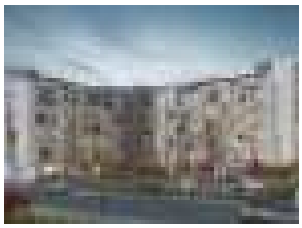
Infrastructure



Project Management



Feasibility Studies



Architectural

Site Supervision

We deliver design/design-build, program/construction management, and other professional services packaged in innovative alternative delivery methods to regional and local government agencies as well as to private industrial customers worldwide.

The company provides services to government departments and national agencies, local authorities, partnerships, and a wide range of private sector clients.

+500

COMPLETED PROJECTS

Much emphasis is given to encouraging the SAC culture of 'one company - one Team': a key ingredient in operating the matrix structure which is essential to developing the full potential of the Company. The entire operating structure of SAC is geared towards the provision of services on a multi-disciplinary basis. There is an inherent understanding of other disciplines by all staff, in order to combine rationalism and practicality with an innovative approach, to provide design solutions that are both appropriate and economically justifiable, and to deliver buildability and long-term ease of maintenance.

+60

UNDER PROCESS

Our services encompass the whole project life-cycle – from feasibility studies, planning, conceptual design, and detailed design to safety, reliability, and risk assessments, project and contract management, life-cycle costing, design implementation, and whole life asset management support.

SAC aims to continue delivering appropriate, cost-effective solutions to meet Clients' needs, whatever their business and wherever they are located.

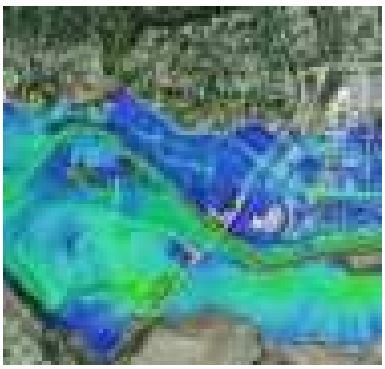
+200

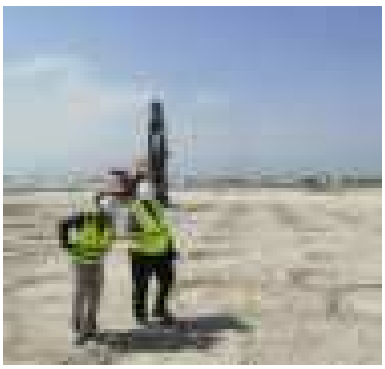
BUILDING ASSESSMENT

SERVICES

SAC plans all aspects of our Clients' projects, conducting feasibility studies and impact analyses covering technical, logistical, legal, environmental, and financial considerations.

We design systems, processes, buildings, and civil structures. We develop cutting-edge solutions and combine them with tried and tested technologies to achieve an optimal result.

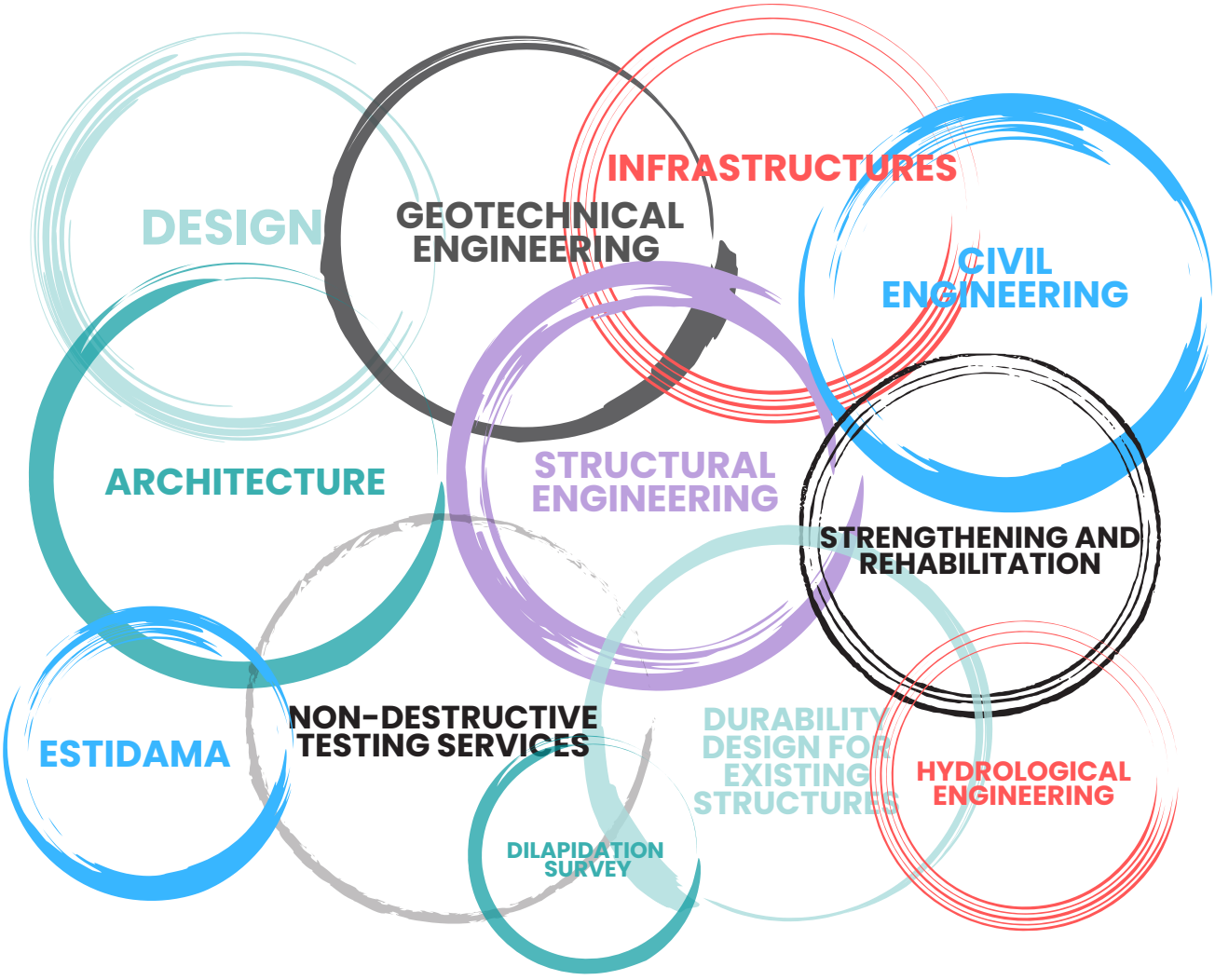




And we enable our Clients' complex programs, delivering one-off projects and managing processes to reduce timescales, cost, and disruption.

COMPANY STRUCTURE

The Company is organized into separate main operating units which independently serve the business sectors of Architectural, Structural, Infrastructural, Geotechnical, Design & Engineering Solutions, and Management & Project Services. In simple terms our services can be summarized as the following graph

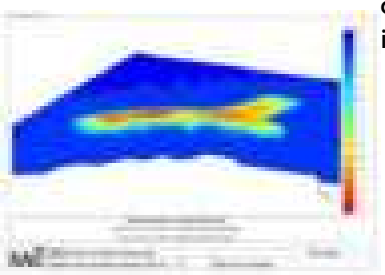


DESIGN

We are a true multidisciplinary consultancy committed to design excellence for the built environment

GEOTECHNICAL ENGINEERING

SAC has long been a leader in engineering below ground. We can handle the complexities of preparing the earth for any type of structure to ensure quick, safe, economical, and low-risk construction. We provide complete geotechnical design for all kinds of projects. Our specialties include:



- Foundations
- Retaining Structures
- Slope Stability Analysis And Design
- Seismic Engineering
- Risk Analysis And Value Management
- Tunnels And Underground Engineering
- Geotechnical Assistance For Contractors
- Investigation Of Failures, And Remedial Works
- Geographic Information Systems
- Applied Geology
- Groundwater And Hydrogeology
- Environmental Management
- Site Investigation
- Ground Treatment And Soft Ground Engineering
- Dam And Reservoir Engineering
- Waste Management And Landfills

INFRASTRUCTURE ENGINEERING

We lead in the implementation of civil engineering projects including roads, railways, utility services, tunnels, harbors, and airports, as well as energy plants and industrial facilities.

Our services cover all stages of the project cycle from master planning feasibility study through detail design, construction, and implementation.

Services Provided Include:

- Conceptual planning, feasibility studies, and due diligence.
- Site design and permitting. (IDAS, TPD, IFC, RSA Etc..)
- Hydrology, hydraulic studies, and stormwater management design.
- Utility infrastructure assessment and design.
- Integrated brownfield redevelopment.
- Construction management and engineering oversight.
- Value engineering and expert witness/litigation support.

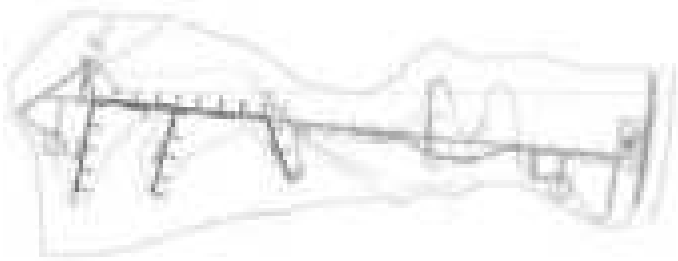
HYDROLOGICAL ENGINEERING

Our expertise spans hydrology, water resources, water treatment, landscape architecture, ecology, climate science, sustainability, and environmental assessment.

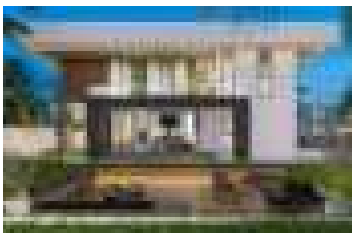
This multidisciplinary approach allows us to provide holistic and sustainable water management solutions. We collaborate closely with clients to identify key development and operational risks, designing and implementing cost-effective water management strategies in line with best practices and local regulations.

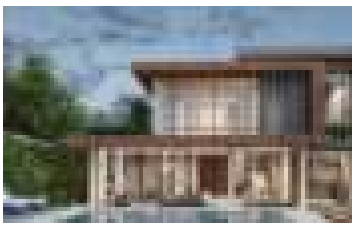
Services Provided Include:

- Hydrological Analysis & Survey
- Flood Risk Assessment and Management
- Dam and Reservoir Engineering
- Water Supply and Distribution
- Wastewater Management
- Pumping Station Design
- Stormwater Management
- Hydraulic Modeling and Simulation
- Hydraulic Structures Design
- Hydraulic Safety and Risk Assessment
- Environmental Engineering



ARCHITECTURE





Our teams have an excellent reputation for providing a high-quality appropriate solution with a complete package of services encompassing initial briefing, concept design, and final implementation.
People – we connect people with the places we build, believing that every project should be an expression of attitudes that respond to social, economic, and environmental conditions.

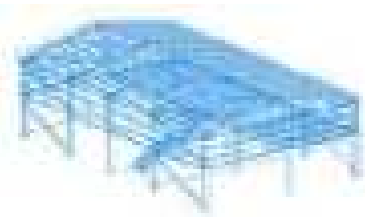
Layers – we develop design solutions that are guided by patterns found on every site, bringing them to reality through our powerful collaborative approach to the challenges of land development.

Places – we enhance the "sense of place" found on every site, molding that story to fit a variety of scales ranging from regional and city context to intimate courtyards and gardens.

Services Provided Include:

- Residential - Apartment Building, Villa Residences, and Town Houses.
- Commercial - Office building, Administration Building, and Commercial buildings.
- Governmental - Institutional and Government Agencies.
- Hospitality - Hotels, Leisure and Recreational.
- Health Care - Hospitals and Health Care Buildings.
- Institutional - University, Mosques, Libraries, and Laboratory buildings.
- Industrial - Maintenance and Storage Facility.

STRUCTURAL ENGINEERING



SAC has particular expertise in structural engineering covering all types of buildings. We are able to offer specialist advice in the area of seismic design and difficulties associated with the problem of construction in hot and arid climates. The analysis of foundation engineering solutions is an essential area of building design and we are able to call on the advice of our Geotechnical Department for both the preparation of site investigation requirements and the interpretation of the results. We offer a full range of structural engineering services either as part of a multi-discipline team; or as a single independent consultancy service.

Services Provided Include:

- Design of any type of structure.
- Checking of existing design.
- Inspection and provide solutions to any defaulted structures.
- Reinforced Concrete Structures.
- Pre-Stressed Concrete Structures.
- Masonry Structures.
- Post tension Structures.
- Wood Structures.
- Steel Structures.

STRENGTHENING REHABILITATION

SAC team aims to increase the capacity of existing structural elements by considering the deterioration or the alteration that has to be made due to which the structure may fail to serve its purpose, our principal areas of strengthening expertise are:

- Repair and strengthen the design of structures.
- Strengthening design due to new openings in the slabs or beams.
- Strengthening design due to change in function or addition of loads.
- Strengthening design to add new floors to existing buildings.
- Strengthening design of existing buildings due to structural modifications.
- Supervision of repair and strengthening work.
- Strengthening is due to loss in concrete strength or due to lower concrete strength than required.

NON-DESTRUCTIVE TESTING SERVICES

SAC's condition assessment services are comprehensive – offering a range of testing and deliverables based on the needs of the owner and the project. The objective of a standard condition assessment is to identify the root cause of problems and the level of damage.

Based on the client's needs, SAC can also provide additional testing services to predict service life as well as help to determine optimal repair solutions including associated repair and maintenance budgets.

- Conduct non-destructive tests for the assessment and evaluation
- Building slabs field load tests
- Bridges and underpass field load tests

List of Tests:

- Cover Meter Survey using Electromagnetic cover meter and GPR Scanner to measure cover depth and spacing.
- Steel area reduction, measurement through Digital vernier caliper.
- Surface strength (rebound number).
- An ultrasonic pulse velocity test of concrete, to check the integrity of the concrete.
- Measurement of Polarization Resistance.
- Half Cell Potential Measurement.
- Cover Meter Survey Spot Measurement using digital Cover Meter.
- Conduct the resistivity test of concrete.
- Structure Crack Depth Measurement.
- Structure Crack Progress Measurement.

DURABILITY DESIGN FOR EXISTING STRUCTURES

SAC provides highly specialized services including full condition and corrosion assessment to identify the root cause of problems, as well as the design of corrective programs to meet desired service-life requirements. SAC's experts can also offer alternative repair solutions and budgets to solve any problems discovered during an assessment.

SAC provides a range of investigation services, from initial observation reports to comprehensive condition assessments to determine the proper approach to maintenance and repair of infrastructure/structure assets. Our team evaluates assessment results to provide a clear understanding of a structure's current condition and the root cause of any identified problems.

ITEM	ROUTINE VISUAL INSPECTION	DETAILED INSPECTION	CONDITION ASSESSMENT
Description	Comprehensive visual appraisal that describes the observed problem area(s).	Documentation of the problem area(s) that quantifies the location and degree of the visible defects and conditions.).	Analysis of collected data, documentation of current conditions, extent of damage (if any), and root cause analysis.
Includes	• Verbal or written summary • Includes photos with notes	• Report and client briefing • General – access to structure • Detailed – access to condition area, may involve samples and testing	• Engineer of Record or Responsibility • Field and laboratory testing. • Repair option(s) and proposal. • Written report and client briefing may involve samples.
Benefits	• Quick assessment of the general condition	• Quick and non-destructive assessment of the general condition • Quantified evaluation of what needs to be repaired and how it should be done	• Detailed condition assessment helps to determine the residual service life of the structure

DILAPIDATION SURVEY

SAC Surveyors lead the inspection of the structural condition of buildings and structures, usually undertaken before starting development, construction, alterations, or demolition. Councils may ask for a report as part of a resource consent application.
SAC offers a full range of specialist structural engineering and surveying services including comprehensive dilapidation and condition surveys, deformation surveys, subsidence monitoring, precise monitoring surveys, and installation of piezometers and ground monitoring stations.

What is a Dilapidation Survey?

iT is an inspection of the structural condition of buildings and structures, usually undertaken before starting development, construction, alterations, or demolition.

DILAPIDATION SURVEY

What is a Deformation Survey?

Deformation monitoring and surveying is the systematic measurement and tracking over time of movement, which could apply to land, structures, infrastructure etc.

Why would I need a Dilapidation Survey or Deformation Monitoring?

We work with property owners, building developers and constructors; all of whom are interested in making sure that they have the right information to protect their investment and mitigate risk – or to rebut claims

What is the process for a Dilapidation Survey?

Prior to construction commencing our structural engineers together with a surveyor undertake an initial site walkover – and over neighbouring properties in the vicinity (with consent) to visually inspect structures on those properties and assess whether they may be in the zone of influence from the rock breaking, removal of support through basement excavation or vibration from mechanical sources during the excavation and site development

Following this we return to the site and make an extensive photographic record of all visible existing damage and building defects, to establish monitoring marks and to undertake discrete survey measurements to understand the condition, level, and position of;

- Surrounding buildings – interior and exterior, existing condition of walls, cladding, exposed foundations
- Surrounding footpaths, roads, and railway lines
- Adjoining structures, retaining walls, foundations
- infrastructure and service pits and infrastructure
- Cornices and ceilings
- Flooring and tiling

Detailed and more frequent assessments may be necessary if the adjacent buildings are constructed of unreinforced masonry, are old, or of such a design that they may have a higher risk level or when works are undertaken around particularly sensitive infrastructure e.g. train tracks in rail corridors where we may need to use dynamic monitoring systems to continuously feed results.

DILAPIDATION SURVEY

What is the process for Deformation Monitoring?

program and tabulation of results is frequently required to fulfill the conditions of Resource Consent with monitoring usually occurring at the following construction phases:

- Demolition
- Basement excavation and dewatering
- Installation of retaining walls
- Ongoing during construction
- Upon practical completion

SAC Surveyor said “we set up a baseline survey control and then visit regularly to measure the same marks against the baseline to see if the land is moving. The key thing is to repeat the surveys at regular intervals. We measure in 1D, 2D, and 3D using digital levels and high accuracy theodolites combined with digital levels. We provide a report which can be used for Council requirements; remediation works or site development and planning purposes.”

The dilapidation (defects) survey and deformation monitoring serve as a precautionary measure to protect constructors against any erroneous claims of property damage from third parties or provides property owners the evidence required to support a claim where damage may occur and to protect their investment. The absence of a detailed report and survey exposes both to risk.

Project Management - Supporting the complex demands of projects across all market sectors, we provide a comprehensive range of planning, advisory and commercial services.

SAC works closely with our clients to consider all aspects of a project. Our Solution Building teams have the experience to assist engineers in developing a range of alternatives including cost and constructability consulting to help designers select the best potential solution.

Asset Management Of Structural And Civil Infrastructure: SAC has significant expertise and experience in the management of structural and civil infrastructure assets. Our services cover the full range of asset management tasks from the performance of site-based condition assessments to the development of high-level strategies to manage assets to a required service level over a long period of time at the lowest possible cost.

SAC’s asset management activities are integrated into a seamless cycle of inspection, evaluation, maintenance planning, delivery, and strategic review.

Our active role in the design and construction process has delivered projects that have often exceeded client expectations.

QA / QC QUALITY POLICY

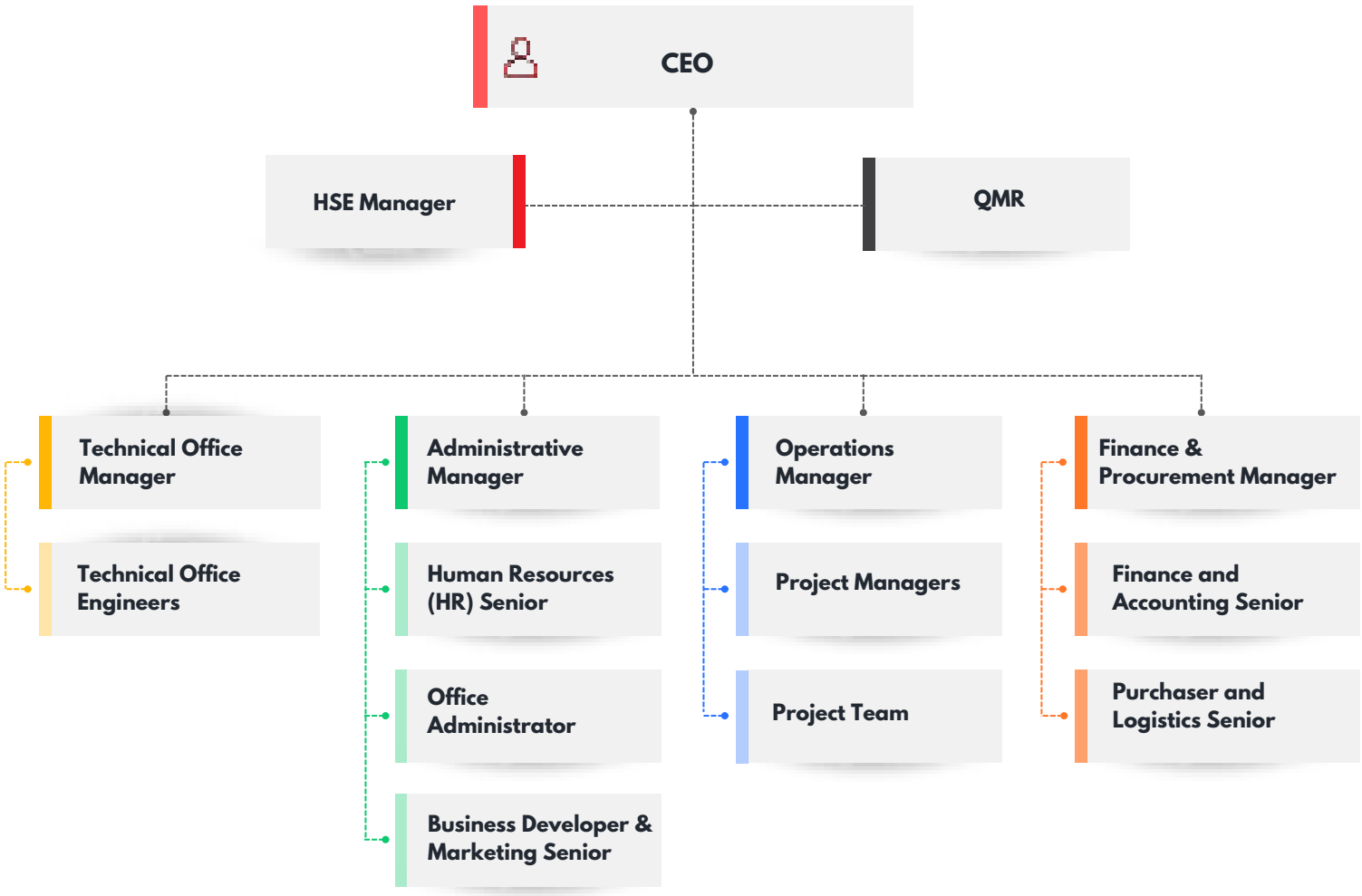
SAC is following BS EN ISO 9001:2015, in respect of Project Management and related services including Executive Project Management, Construction Management, Project Management Consultancy and other Project Management Services such as Quantity Surveying, Cost Control and Planning.

CONSULTANTS QUALITY PLAN

We are committed to a policy of quality management for all our work in accordance with BS EN ISO 9001: 2015 Standards. We have experience in the development and implementation of quality management systems for projects, large and small, in the UAE.

We will prepare a Quality Plan through our Project Manager to comply with the requirements of ISO 9001. Regular internal audits will be carried out to ensure the system is properly implemented.

ORGANISATION CHART

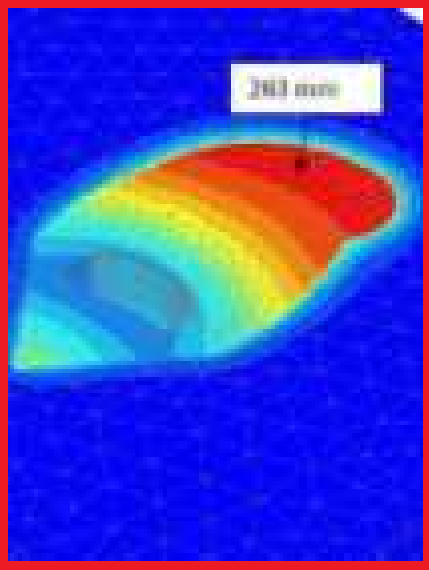


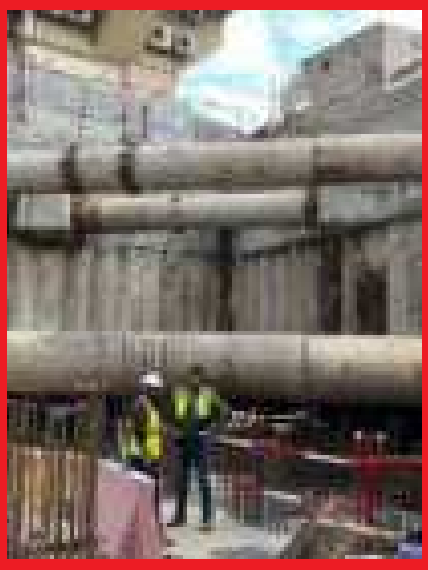
Organization Chart

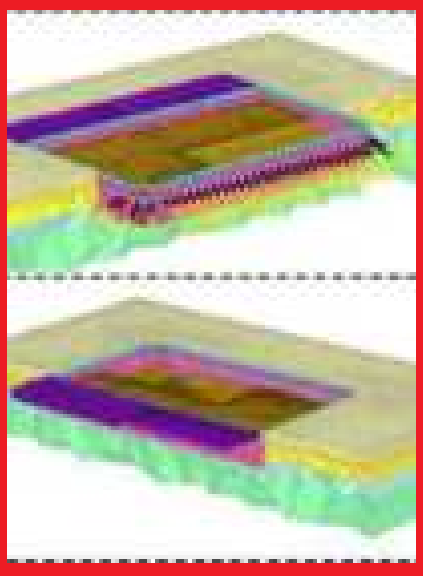
2024

PREVIOUS EXPERIENCE

GEOTECHNICAL EXPERIENCE







2019

ABU DHABI

YAS MARINA CIRCUIT

AED 560,000

CLIENT: ADMM

DURATION: 3 MONTH

TRACK MODIFICATION DESIGN

SAC was assigned as the specialist consultant for the Geotechnical Assessment and Soil Improvement project at the iconic Yas Marina Circuit in Abu Dhabi. Swiftly executing both the design and supervision of soil improvement works for the track was no easy job. Despite the tight timeline, SAC rose to the occasion and successfully completed the project on time. Today, we proudly highlight our achievement–years later, the track stands as a testament to our commitment, showing zero displacement.

WHAT WE DID?

- Review available relevant documentation
- Testing and investigation
- Geotechnical study and report
- Design of soil improvement works
- Tender package & support
- Construction supervision

2019

ABU DHABI

REEM HILLS

AED 900,000

CLIENT: Q HOLDING

DURATION: 9 MONTH

SUPERVISION OF SOIL IMPROVEMENT

SAC served as a Geotechnical Consultant in the esteemed Reem Hills Island project, focusing on comprehensive soil improvement works. Our role entailed diligent supervision and oversight of the soil improvement processes, ensuring the successful enhancement of soil properties for optimal construction and development on the island.

WHAT WE DID?

- Site Assessment and Soil Analysis
- Construction Oversight and Supervision
- Quality Control and Assurance
- Progress Reporting and Documentation
- Client Collaboration and Coordination

2023

ABU DHABI

AL HUDAYRIAT ISLAND

AED 2,100,000

CLIENT: MODON

DURATION: 2 YEARS

SUPERVISION OF SOIL IMPROVEMENT

SAC served as a Geotechnical Consultant in the esteemed A Hudayriat Island project, focusing on comprehensive soil improvement works. Our role entailed diligent supervision and oversight of the soil improvement processes, ensuring the successful enhancement of soil properties for optimal construction and development on the island.

WHAT WE DID?

- Site Assessment and Soil Analysis
- Construction Oversight and Supervision
- Quality Control and Assurance
- Progress Reporting and Documentation
- Client Collaboration and Coordination

2018

ABU DHABI

DAMAGED CITIZEN HOUSES

AED 600,000

CLIENT: ABU DHABI MUNICIPALITY

DURATION: 6 MONTHS

GROUND IMPROVEMENT WORKS

SAC served as a specialized Geotechnical Consultant in the ADM project of the Ground Improvement Works For Damaged Citizen Houses in Different Areas in Emirate Of Abu Dhabi, focusing on comprehensive soil improvement works.

WHAT WE DID?

- Set up project documentation and methodology
- Review available relevant documentation.
- Prepare Design of Soil improvement works, Drawings and recommendations.
- Preparation of tender documents.
- Evaluation of contractors and supervision.

2022

DUBAI

THE CIEL TOWER
AED 260,000

CLIENT: THE FIRST GROUP

DURATION: 2 MONTH

GEO-STRUCTURAL ASSESSMENT

SAC was appointed to analyze the structural impact of the Ciel Tower's deep foundation and shoring systems on the surrounding infrastructure, including the MARINA Bridge, the adjacent RAMP retaining wall, and the Canal Quay Wall. Continuous settlement, movement, and active cracking were observed in the surrounding area during construction, affecting the MARINA Bridge and nearby utilities.

WHAT WE DID?

- Review available relevant documentation
- Finite Element Modelling
- Slopes Stability Analysis
- Dewatering Modelling
- Geophysical Survey
- Geotechnical Assessment
- Structural Assessment

2024

DUBAI

SHORING SYSTEM

AED 70,000

CLIENT: THE FIRST GROUP

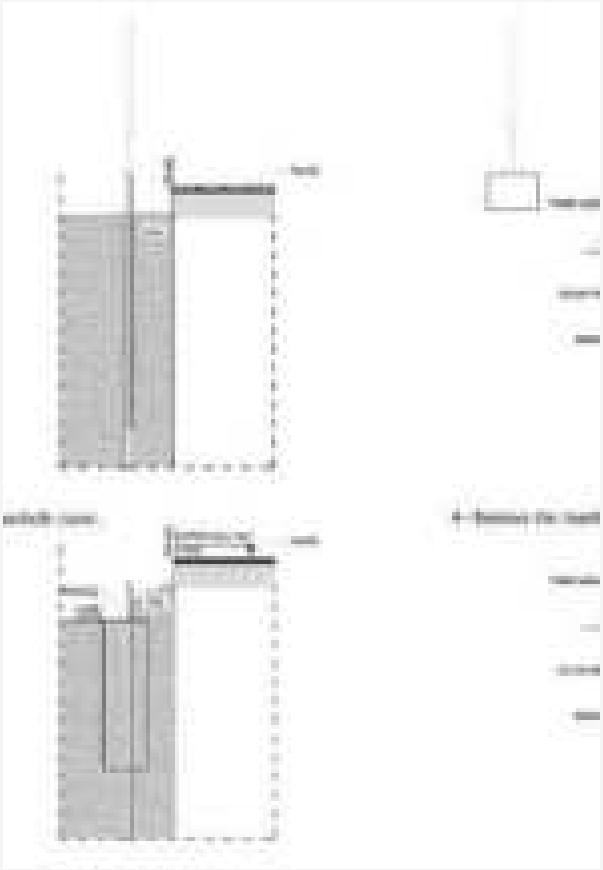
DURATION: 3 WEEKS

SHORING SYSTEM DESIGN

SAC was appointed by TFG to conduct a geotechnical study and provide a design solution for demolishing an unused manhole obstructing the proposed shoring system for the Ciel Tower project. The shoring system is necessary to support excavation works ranging from 1.5 to 3 meters in depth, located adjacent to the RTA bridge ramp in the Dubai Marina area.

WHAT WE DID?

- Reviewed the site investigation reports and geotechnical data provided by the client.
- Conducted geotechnical assessments
- Shoring System Design
- Design Recommendations



2023

ABU DHABI

RODA TOWER

AED 350,000

CLIENT: FUTURE BUILDERS ENGINEERING L.L.C

DURATION: 4 MONTH

COMPREHENSIVE ASSESSMENT

The primary goal of this study was to assess the structural integrity of the basements in the Tower. By conducting physical, mechanical, and chemical assessments of the structural elements, SAC aimed to identify the causes of distress, such as steel corrosion, concrete degradation, and water leakage, and to provide a methodology for remediation. The recommendations would assist the client and contractors in effectively addressing the identified issues and ensuring the safety of the existing structure.

WHAT WE DID?

- Conduct destructive and non-destructive testing
- Perform visual inspections and map distressed areas
- Analyze structural and geotechnical conditions, including shoring and raft foundation.
- Provide recommendations for structural repairs and subsurface soil improvements.

2023

DUBAI

FASHIONZ 1

AED 170,000

DANUBE PROPERTIES

CLIENT: DANUBE PROPERTIES

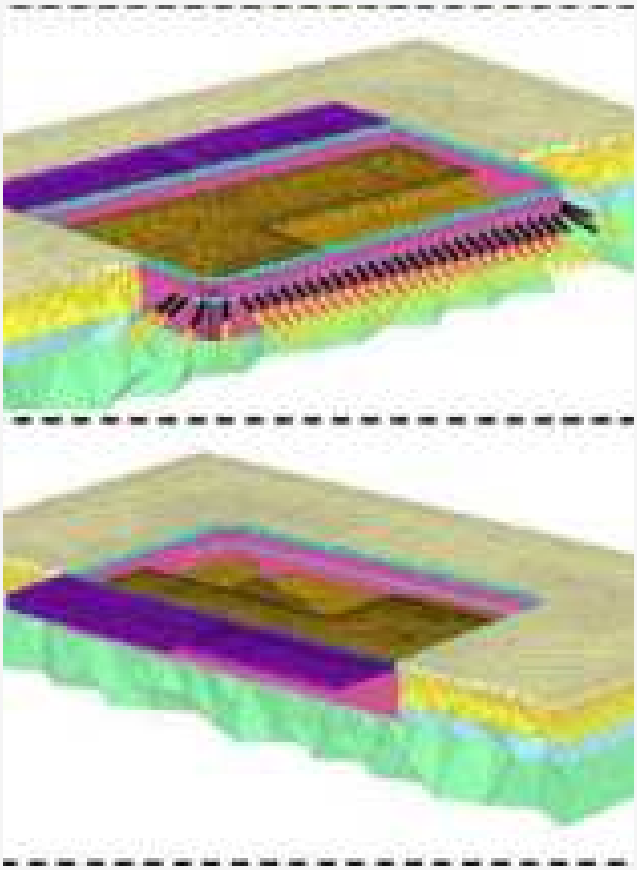
DURATION: 2 MONTH

EXISTING SHORING SYSTEM ASSESSMENT

The purpose of the study is to determine the Structural Elements conditions at the existing shoring system, and the physical, mechanical, chemical properties of the assessed structural elements in order to identify the structural elements conditions and to decide on their suitability for the use as retaining walls for the planned construction works.

WHAT WE DID?

- Reviewing of site investigation results
- Reviewing of all the monitored data and the structural inspection
- Visual Inspection.
- Carrying out required geotechnical analysis
- Preparing a full comprehensive Engineering Report.



2024

ABU DHABI

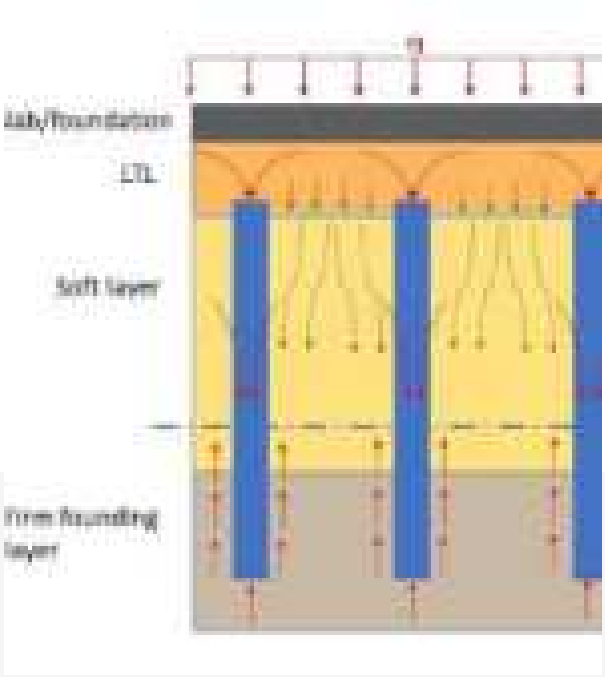
AL MERIEF ROAD REHABILITATION

AED 120,000

CLIENT: HILALCO - SPECTRA

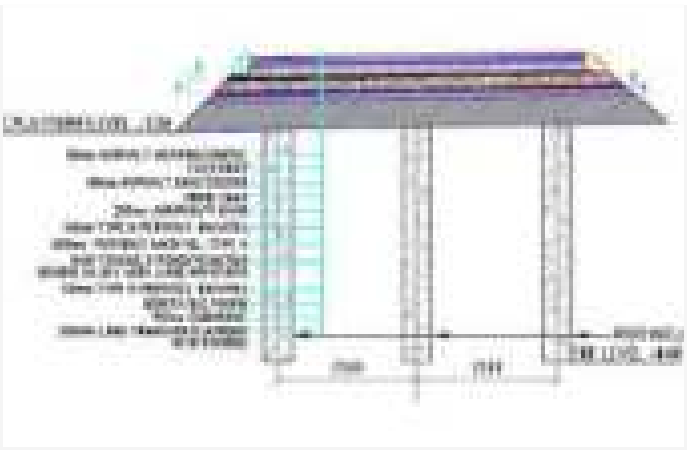
DURATION: 2 MONTH

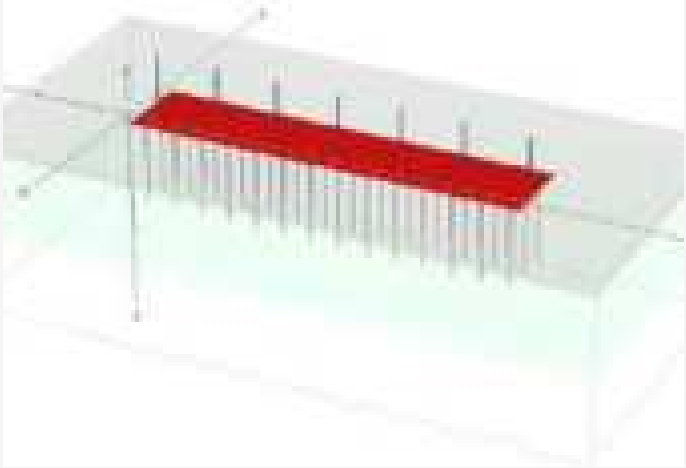
REVIEW OF GROUND IMPROVEMENT DESIGN



The Al Merief Development project, which includes residential villas, community facilities, and supporting infrastructure, has encountered settlement issues in its road foundations.

The client has engaged (SAC) to review and assess the ground improvement design submittal for the road rehabilitation using the rigid inclusion technique, ensuring it meets the project's technical and performance requirements.





WHAT WE DID?

- Carry out a review of the soil improvement contractor design submittal for ground improvement using rigid inclusion technique for a local Road Rehabilitation
- Submittal of contractor's ground improvement design and related documents to the ADM through the smart hub system to obtain the design approval.

2020

ABU DHABI

THE MEYDAN

AED 140,000

CLIENT: ELSEIF ENGINEERING CONTRACTING

DURATION: 5 MONTH

ENABLING WORKS CONSULTANT

SAC's responsibilities involve supervising the execution of piling works, ensuring rigorous testing and quality assurance, and monitoring the overall progress and performance of these enabling works. Our expertise ensures that all construction activities meet the required standards and specifications, laying a solid foundation for the subsequent phases of the Meydan Project.

WHAT WE DID?

- Act as a consultant for Elseif Engineering Contracting on the Meydan Project enabling works.
- Oversee and coordinate piling works, including Barrette piles.
- Supervise the construction and installation of D-Wall.
- Conduct testing and quality assurance for piling and D-Wall works.
- Monitor project progress and performance to ensure compliance with specifications and standards.

2021

ABU DHABI

VILLA NO. 1B-537, AL FALAH

AED 65,000

CLIENT: ELSEIF ENGINEERING CONTRACTING

DURATION: 1 MONTH

GEOTECHNICAL INVESTIGATION AND SOIL IMPROVEMENT

Super Arc Consultant LLC (SAC) was engaged to conduct a geotechnical investigation and soil improvement design for Villa No. IB-537, located in Al Falah, Abu Dhabi, UAE.
The project involved a thorough review of the available documentation, followed by geotechnical and geophysical surveys to identify any geotechnical hazards affecting the site. SAC prepared a comprehensive geotechnical assessment report, providing a condition assessment of the soil and designing effective soil improvement solutions. Detailed drawings and recommendations were provided to ensure the stability and safety of the villa's foundation and overall structure

WHAT WE DID?

- Carry out Geotechnical & Geophysical Survey.
- Identify the Geotechnical Hazards.
- Prepare Geotechnical Assessment report, condition assessment &
- Design of Soil improvement works, Drawings and recommendations.

2021

ABU DHABI

VILLA NO 1B-618, PROJECT, ALFALAH

AED 70,000

CLIENT: ELSEIF ENGINEERING CONTRACTING

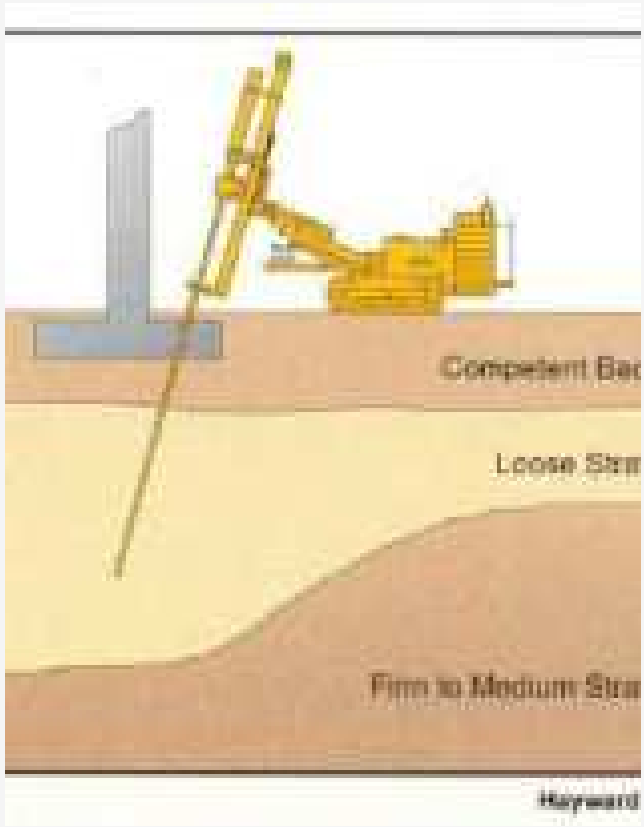
DURATION: 1 MONTH

GEOTECHNICAL INVESTIGATION AND SOIL IMPROVEMENT

Super Arc Consultant LLC (SAC) was engaged to conduct a geotechnical investigation and soil improvement design for Villa No. IB-537, located in Al Falah, Abu Dhabi, UAE.
The project involved a thorough review of the available documentation, followed by geotechnical and geophysical surveys to identify any geotechnical hazards affecting the site. SAC prepared a comprehensive geotechnical assessment report, providing a condition assessment of the soil and designing effective soil improvement solutions. Detailed drawings and recommendations were provided to ensure the stability and safety of the villa's foundation and overall structure

WHAT WE DID?

- Carry out Geotechnical & Geophysical Survey.
- Identify the Geotechnical Hazards.
- Prepare Geotechnical Assessment report, condition assessment &
- Design of Soil improvement works, Drawings and recommendations.



2022

ABU DHABI

ROADS AND INFRASTRUCTURE WORKS IN MBZ CITY

AED 95,000

CLIENT: MUSANADA

DURATION: 1 MONTH

GEOTECHNICAL INVESTIGATION

The project involved the planning, supervision, and execution of a comprehensive geotechnical investigation, ensuring all activities met the stringent requirements of Abu Dhabi Municipality. SAC prepared a detailed engineering geotechnical report, providing crucial data and recommendations for the successful design and construction of roads and infrastructure in the specified zones. The report included soil assessments, geotechnical hazards, and engineering solutions to ensure the stability and longevity of the project.

WHAT WE DID?

- Review project documentation.
- Conduct geotechnical and geophysical investigations
- Perform soil testing, sampling, and borehole drilling.
- Identify geotechnical hazards and assess soil stability.
- Supervise fieldwork and ensure compliance with standards.
- Prepare a geotechnical report meeting Abu Dhabi Municipality requirements.
- Provide design recommendations and mitigation strategies.

2021

ABU DHABI

ALDANAH SCHOOL

AED 95,000

CLIENT: MUSANADA

DURATION: 2 MONTH

CONDITIONAL ASSESSMENT

SAC was commissioned to address ground settlement issues and wall cracking at Aldanah School. The project began with a thorough review of the relevant documentation, followed by the planning and execution of geotechnical and geophysical surveys to identify underlying geotechnical hazards contributing to the settlement.

WHAT WE DID?

- SAC performed a comprehensive condition assessment of the affected areas and designed tailored soil improvement solutions to mitigate further settlement. Detailed drawings and recommendations were prepared, outlining the necessary corrective measures to restore the structural integrity of the school and ensure long-term stability

2019

ABU DHABI

RESIDENTIAL BUILDING

AED 65,000

CLIENT: TALA CONCRETE REPAIR

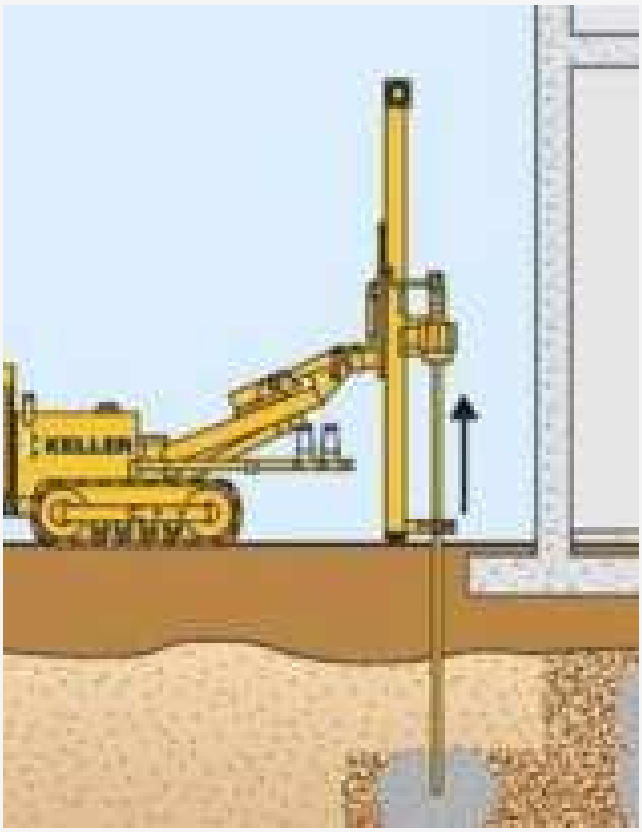
DURATION: 1 MONTH

GEOTECHNICAL INVESTIGATION AND PROBING GROUTING

Super Arc Consultant LLC (SAC) was appointed to conduct a comprehensive geotechnical investigation and probing grouting for the Ali Mohammad Sadiq Al Bloushi Building, located at Plot No. C60, Sector E16_02, Abu Dhabi, UAE

WHAT WE DID?

- The project involved planning and supervising probing grouting works to address soil stability and support construction activities. SAC is responsible for preparing a detailed engineering geotechnical report in compliance with Abu Dhabi Municipality requirements. This includes designing and overseeing probing grouting and soil improvement works to ensure the structural integrity and safety of the building.



2019

ABU DHABI

NAJMAT ABU DHABI PEDESTRIAN BRIDGE

AED 80,000

CLIENT: TALA CONCRETE REPAIR

DURATION: 1 MONTH

GEOTECHNICAL INVESTIGATION AND MICRO PILE WORKS

Super Arc Consultant LLC (SAC) successfully completed the design and supervision of pressure grouting works for the Najmat Abu Dhabi Marina Pedestrian Bridge, located on Al Reem Island

WHAT WE DID?

- The project involved the detailed design and execution of pressure grouting to enhance the structural integrity of the bridge foundation. SAC was responsible for overseeing all grouting activities, ensuring that the works were carried out to the highest standards, resulting in a stable and durable foundation for the pedestrian bridge. The successful completion of the project contributed to the long-term safety and functionality of the bridge structure.

2019

ABU DHABI

AL SHAMKHA AMBULATORY HEALTHCARE CENTRE

AED 60,000

CLIENT: TALA CONRETE REPAIR

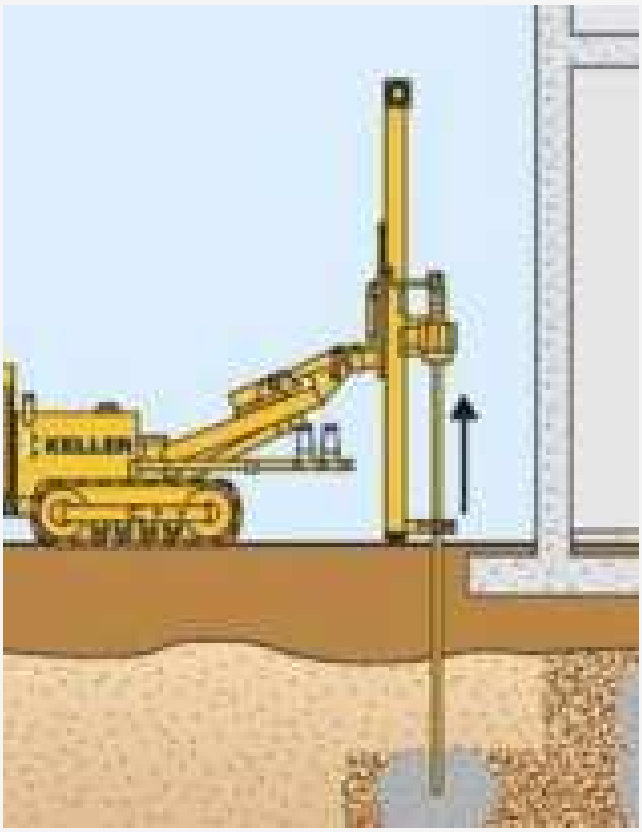
DURATION: 1 MONTH

GEOTECHNICAL INVESTIGATION AND MICRO PILE WORKS

Super Arc Consultant LLC (SAC) was engaged to provide geotechnical investigation and micro pile design for the Al Shamkha Ambulatory Healthcare Centre Clinic, Type 'B', located at Plot No. P13, Sector SH13, Abu Dhabi, UAE.

WHAT WE DID?

- SAC's reviewed the project documentation, conducting geotechnical and geophysical surveys, and identifying geotechnical hazards. A comprehensive geotechnical assessment report was prepared, including the design of soil improvement works, detailed drawings, and recommendations. Additionally, SAC designed and supervised the micro pile works to ensure a stable foundation and long-term structural safety .



2024

SAUDI ARABIA

LIFE STYLE HOTEL

AED 110,000

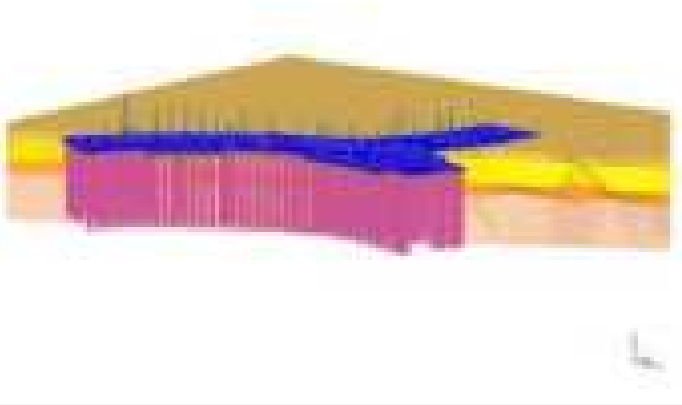
MAB Consult
Project Management | Architecture | Engineering

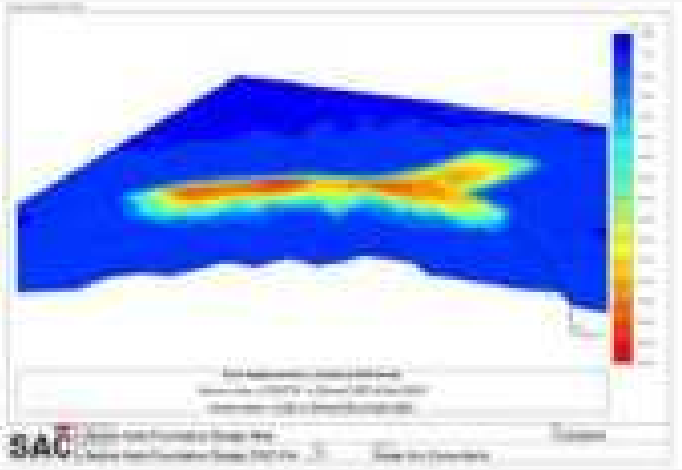
CLIENT: BAHIJ INVESTMENT

DURATION: 1 MONTH

GEOTECHNICAL FOUNDATION DESIGN

SAC was appointed as the geotechnical specialist for the Life Style Hotel project, in Saudi Arabia. This prestigious development, situated on reclaimed soil on an artificial island in Yanbu City, comprises a five-story hotel without a basement.





WHAT WE DID?

- Review and Analysis: Conducting a comprehensive review of geotechnical data and calculations to assess soil conditions and structural requirements.
- Geotechnical Design: Developing detailed design options for deep foundation elements, including piled raft and Controlled Modulus Columns (CMC) systems, supported by precise calculations and drawings.
- Tender Documentation

2024

SAUDI ARABIA

DIVING & VISITOR CENTER

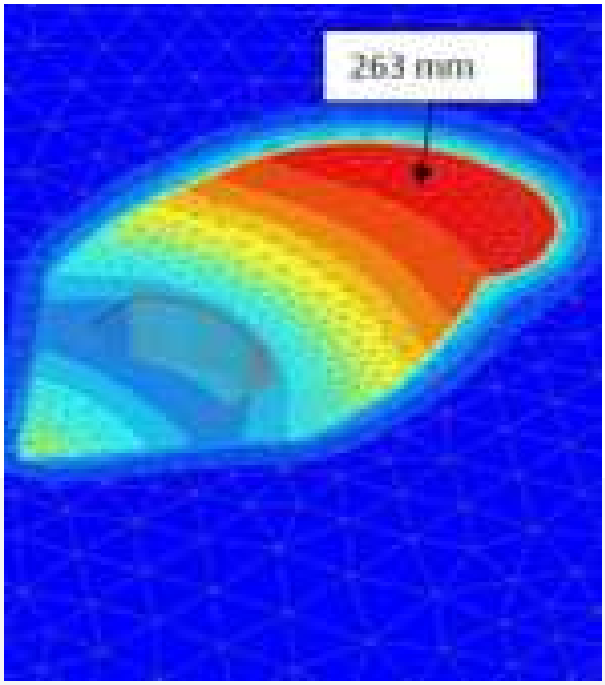
MAB Consult
Project Management | Architecture | Engineering

AED 60,000

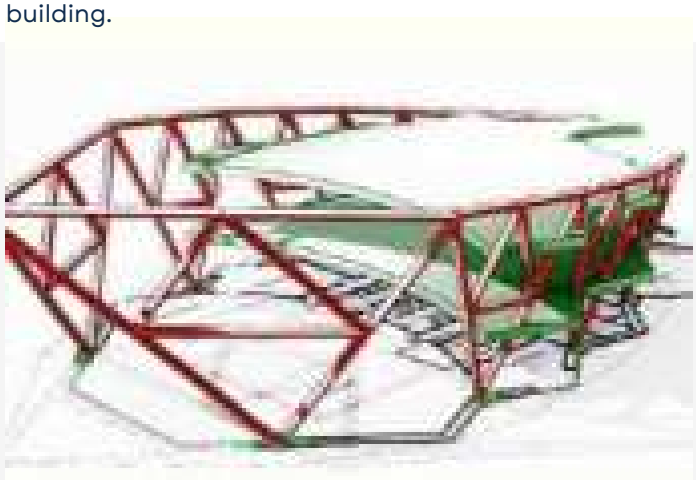
CLIENT: BAHIJ INVESTMENT

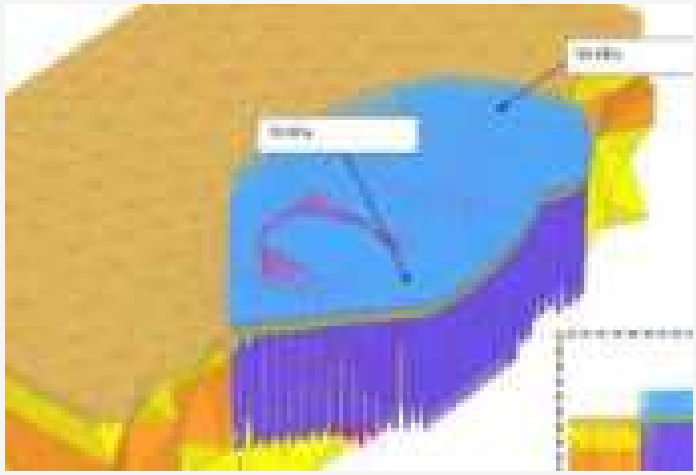
DURATION: 1 MONTH

GEOTECHNICAL FOUNDATION DESIGN



SAC has been commissioned by Baheej Investment Company to provide geotechnical engineering design services for the foundations of the development of the Diving & Visitor Center – Tourist Resorts Project in Yanbu. This report presents the Engineering analysis, conclusions and recommendations based on the previous geotechnical report & finite element analysis (FEA) for the Diving & Visitor Center foundation. Geotechnical analysis and numerical 3D modelling & analysis have been prepared for preparing an integrated design for the foundations of the building.





WHAT WE DID?

- Review and Analysis: Conducting a comprehensive review of geotechnical data and calculations to assess soil conditions and structural requirements.
- Geotechnical Design: Developing detailed design options for deep foundation elements, including piled raft and Controlled Modulus Columns (CMC) systems, supported by precise calculations and drawings.
- Tender Documentation

2024

SAUDI ARABIA

WELLNESS RETREAT RESORT

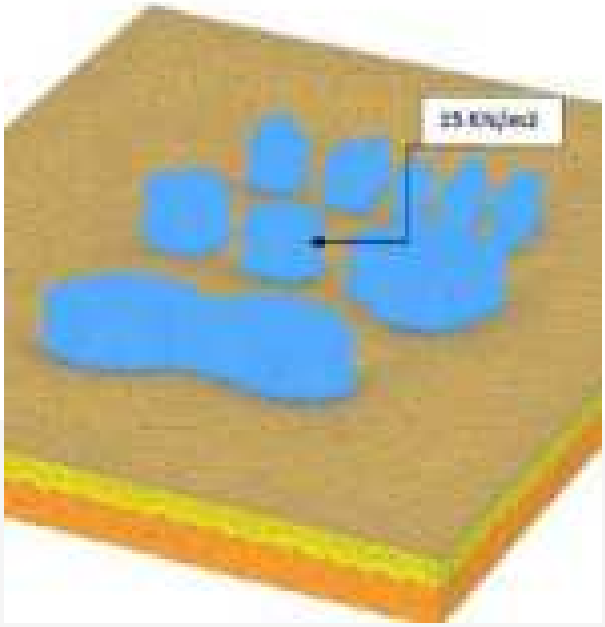
MAB Consult
Project Management | Architecture | Engineering

AED 75,000

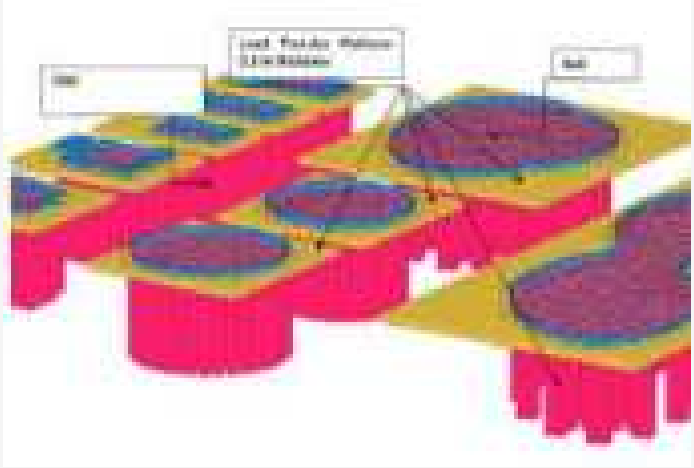
CLIENT: BAHIJ INVESTMENT

DURATION: 1 MONTH

GEOTECHNICAL FOUNDATION DESIGN



SAC has been commissioned by Baheej Investment to provide geotechnical engineering design services for the foundations of the development of the Wellness Resort – Tourist Resorts Project in Yanbu. The project consists of luxury beach style villas, spa, offices, restaurant and resort with state-of-the-art amenities. This report presents the Engineering analysis, conclusions and recommendations based on the previous geotechnical report & finite element analysis (FEA) for the Beach Club foundation. Geotechnical analysis and numerical 3D modelling & analysis have been prepared for preparing an integrated design for the foundations of the building.



WHAT WE DID?

- Reviewing of site investigation results from previously submitted geotechnical reports.
- • Reviewing of all the structural and geotechnical specifications and aspects according design code.
- • Carrying out required geotechnical analysis for the structure under study based on the soil condition
- in MAB Consult. soil report.
- • Foundation geotechnical design.
- • Settlement check.
- • Issuing this report which shall include (analysis – Design considerations – design results).

2024

SAUDI ARABIA

BEACH CLUB

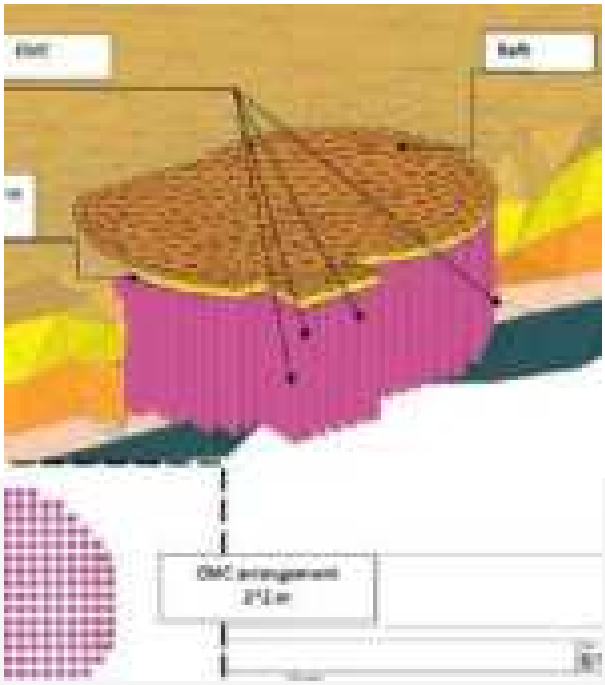
MAB Consult
Project Management | Architecture | Engineering

AED 45,000

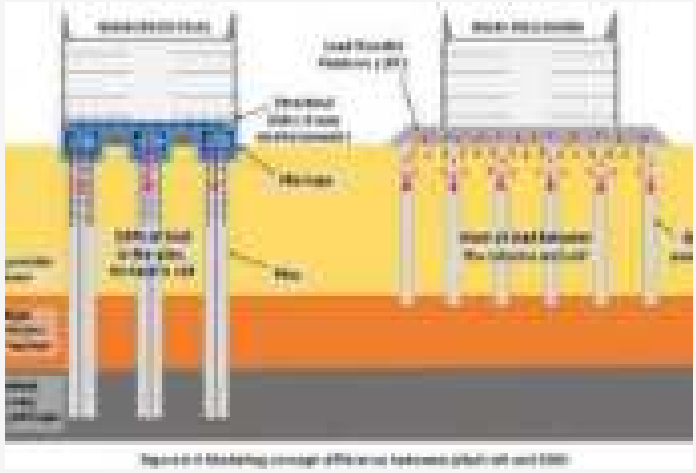
CLIENT: BAHIJ INVESTMENT

DURATION: 1 MONTH

GEOTECHNICAL FOUNDATION DESIGN



SAC has been commissioned by Baheej Investment Company to provide geotechnical engineering design services for the foundations of the development of the Beach club Project in Yanbu. This report presents the Engineering analysis, conclusions and recommendations based on the previous geotechnical report & finite element analysis (FEA) for the beach club foundation. Geotechnical analysis and numerical 3D modelling & analysis have been prepared for preparing an integrated design for the foundations of the building.



WHAT WE DID?

- Review and Analysis: Conducting a comprehensive review of geotechnical data and calculations to assess soil conditions and structural requirements.
- Geotechnical Design: Developing detailed design options for deep foundation elements, including piled raft and Controlled Modulus Columns (CMC) systems, supported by precise calculations and drawings.
- Tender Documentation

2024

ABU DHABI

ROAD SAFETY ENHANCEMENT

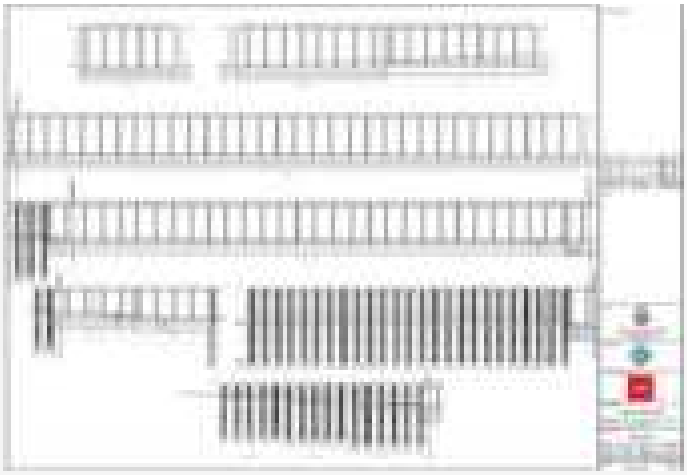
AED 45,000

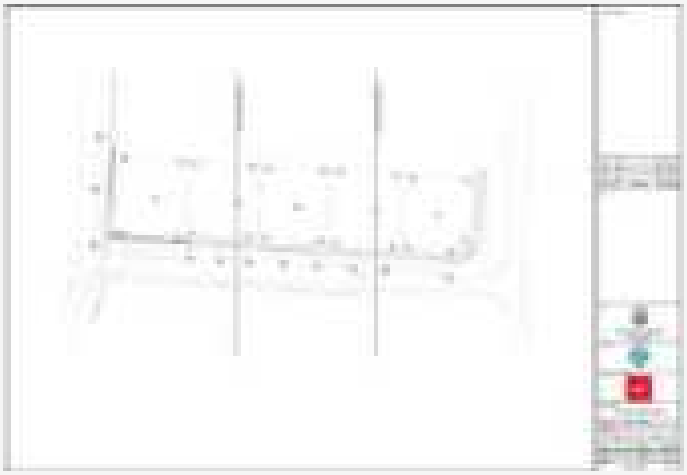
CLIENT: INJAZ NATIONAL GENERAL ENTERPRISES LLC

DURATION: 1 MONTH

RETAINING WALL DESIGN

SAC successfully completed the "Road Safety Enhancement" project in Abu Dhabi City. The project aimed to design and implement a retaining system to protect the road infrastructure from potential hazards posed by adjacent embankments and future developments. The focus was on ensuring road stability, enhancing safety, and mitigating risks of embankment instability.



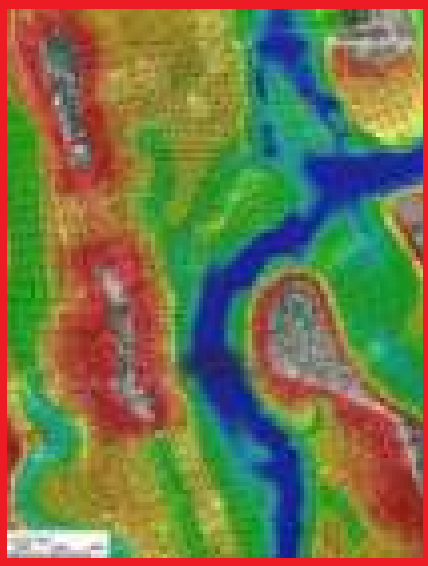


WHAT WE DID?

- SAC's scope of work involved comprehensive site studies, detailed design, and documentation. The major tasks included:
- Conducting a thorough site investigation.
- Designing an appropriate retaining system.
- Preparing detailed design drawings and technical documentation for implementation.

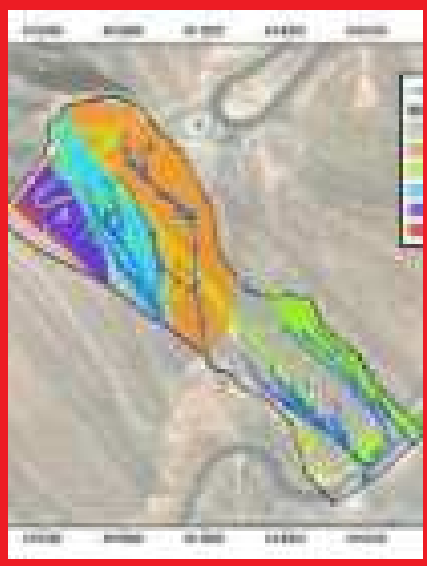
HYDROLOGICAL ENGINEERING











2024

ABU DHABI

SHAMKHA SCHOOL

AED 690,000

CLIENT: MUSANADA

DURATION: 4 MONTH

HYDROLOGICAL & GEOTECHNICAL STUDY AND DRAINAGE SYSTEM DESIGN

The Al Shamkha Future School project involved a comprehensive geotechnical and hydrological study to evaluate subsurface conditions and decrease the ground water level at the project site, groundwater behavior, and associated challenges for the development. The investigation included drilling boreholes, conducting permeability tests, pumping test, geophysical surveys, and monitoring groundwater levels.

WHAT WE DID?

- Drilling 10 boreholes, conducting geotechnical and hydrological testing.
- installing piezometers to monitor groundwater levels, and performing geophysical surveys.
- The study focused on evaluating subsurface conditions, groundwater behavior, and assessing geotechnical challenges.
- Recommendations for groundwater control and drainage solutions were provided.

2023

RAS ALKHAIMAH

JEBEL JAIS SLEDDER

AED 350,000

CLIENT: RAK GOVERNMENT

DURATION: 3 MONTH

HYDROLOGICAL & HYDRAULIC ASSESSMENT AND DRAINAGE SYSTEM DESIGN

Our Hydrological & Hydraulic team at SAC undertook a comprehensive Hydrological and Hydraulic Assessment for the Jebel Jis Alpine Coaster project, ensuring the location's water dynamics were thoroughly evaluated to prevent potential flood hazards. We delivered specialized services including hydraulic design, flood risk assessments, drainage solutions, and sustainable water resource management.

WHAT WE DID?

- Conducted a comprehensive site analysis, defining project boundaries and assessing geological, geomorphic, and hydrological conditions. Identified wadi characteristics, analyzed rainfall data, and estimated hydraulic responses to determine flood risks. Proposed solutions for managing impacted wadis and provided recommendations for hydraulic design and drainage measures to ensure project safety.

2023

ABU DHABI

DISTRICT COOLING

AED 95,000

CLIENT: PROVIS

DURATION: 2 MONTH

GEO-HYDROLOGICAL ASSESSMENT & DRAINAGE SYSTEM DESIGN

The District Cooling Plant site faced substantial operational challenges due to high water-table levels and elevated salinity. These environmental factors had a direct impact on the functionality of the chiller plant, with water infiltration observed in critical electrical trenches. The infiltrating water expanded into the low and high-voltage components, posing a threat to the plant's overall operations. SAC was commissioned to conduct a detailed geo-structural and Hydrological assessment to identify the root cause of the issues and provide actionable recommendations.

WHAT WE DID?

- Conducting destructive and non-destructive field tests.
- Performing laboratory testing to evaluate soil and water samples.
- Mapping structural distress and defects in the affected areas.
- Developing remediation strategies to counter the high water-table and salinity-related impacts.
- Drainage system Design

CONDITIONAL ASSESSMENT









2022

DUBAI

DIAMOND TOWER

AED 300,000

CLIENT: THE FIRST GROUP

DURATION: 4 MONTH

COMPREHENSIVE ASSESSMENT

SAC was engaged by The First Group to investigate significant water leakage in the basements of the Diamond Tower. The basements showed concrete deficiencies, including peeling paint, corroded steel, and spalling surfaces due to water seepage. The investigation aimed to assess the condition of the concrete and determine the root causes of these defects to propose effective repair methodologies.

WHAT WE DID?

- Visual inspection of basement floors
- Selection of testing locations based on visual observations.
- Non-destructive testing
- Destructive testing
- Evaluation of test results
- Identification of root causes and recommendation of corrective actions.

2022

DUBAI

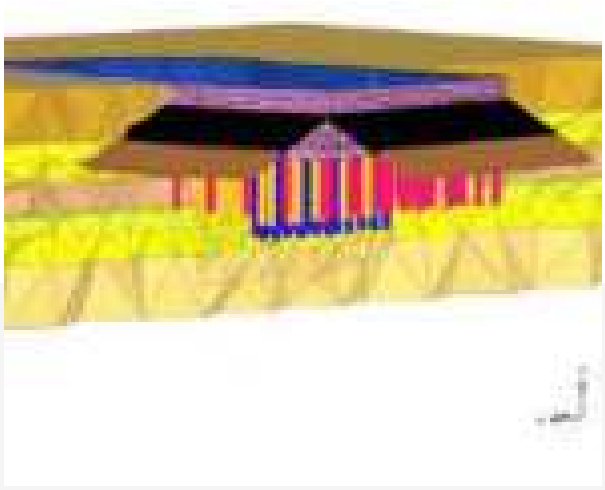
OLGANA TOWER

AED 260,000

CLIENT: AIR ARABIA

DURATION: 2 MONTH

COMPREHENSIVE CONDITIONAL ASSESSMENT



Concrete structures are susceptible to a range of defects such as cracking, spalling, delamination, corrosion, and leakage, which can arise from various factors including structural inadequacies, environmental conditions, and material deficiencies.
The scope of this project was to conduct a comprehensive inspection and assessment of the building to identify the causes of these defects, evaluate their impact on the structure, and recommend suitable remedial measures.

WHAT WE DID?

- Visual Inspection: A detailed survey of all floors and structural components
- Non-Destructive Testing (NDT)
- Destructive Testing
- Geotechnical and Structural Assessment: A detailed review of all gathered data, including test results and structural analysis, was conducted to evaluate the impact of the defects on the building's overall integrity.

2022

DUBAI

AVALON TOWER

AED 90,000

CLIENT: THE FIRST GROUP

DURATION: 1 MONTH

ROOT CAUSE ANALYSIS OF SEEPAGE AND CONSTRUCTION DEFECTS

SAC was engaged to investigate and identify the root cause of persistent construction defects in the wet areas of various apartments at the building. The defects, primarily manifested as efflorescence–a crystalline salt deposit caused by water intrusion–were observed on several building surfaces. Despite previous repair attempts by the contractor, the issue of seepage reoccurred in multiple affected apartments.

WHAT WE DID?

- Conducted a visual inspection of the defected apartments, with a focus on three selected apartments for detailed analysis.
- Testing: Non-destructive (ND) and destructive testing (DT) methods
- Root Cause Analysis
- Recommendations

2024

DUBAI

WATER FRONT

AED 70,000

CLIENT: THE FIRST GROUP

DURATION: 1 MONTH

ROOT CAUSE ANALYSIS OF SEEPAGE AND CONSTRUCTION DEFECTS

SAC was engaged to investigate and identify the root cause of persistent construction defects in the wet areas of various apartments at the building. The defects, primarily manifested as efflorescence–a crystalline salt deposit caused by water intrusion–were observed on several building surfaces. Despite previous repair attempts by the contractor, the issue of seepage reoccurred in multiple affected apartments.

WHAT WE DID?

- Conducted a visual inspection of the defected apartments, with a focus on three selected apartments for detailed analysis.
- Testing: Non-destructive (ND) and destructive testing (DT) methods
- Root Cause Analysis
- Recommendations

2023

ALAIN

ADNOC STATION

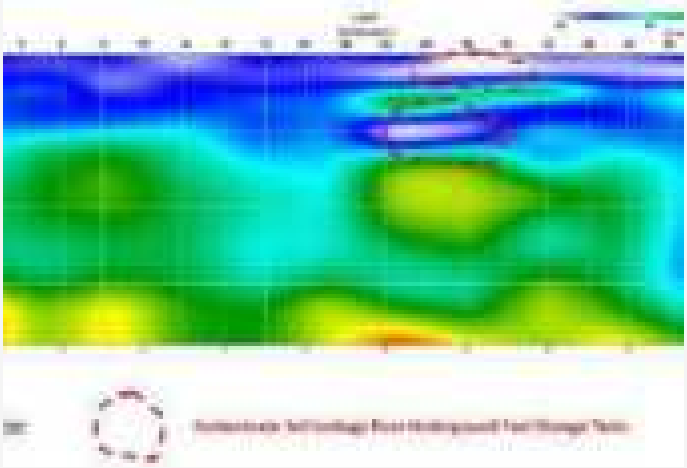
AED 120,000

CLIENT: ADNOC

DURATION: 2 MONTH

ASSESSMENT OF SOIL CONTAMINATION CAUSED BY UNDERGROUND FUEL

SAC was assigned to assess and address soil contamination caused by underground fuel leakage. The project involved a detailed evaluation of contamination levels using advanced technologies, followed by the recommendation of targeted soil treatment methods. These solutions effectively decontaminated the soil and aimed to restore the environmental balance.



WHAT WE DID?

- Reviewing of chemical analysis results from previously submitted reports .
- Reviewing of the geophysical investigation report .
- Carrying out required analysis for the area under study based on the chemical tests and geophysical survey reports.
- Issuing comprehensive report which shall include the results of the analysis as well as the recommendations for soil treatment.

2020

ABU DHABI

SHOOTING FACILITY

AED 120,000

CLIENT: TWO FOUR 54

DURATION: 1 MONTH

STRUCTURAL ASSESSMENT

The project involves a comprehensive structural inspection and condition assessment of the Shooting Facility Twofour54, located in Khalifa Industrial City B, Abu Dhabi. The facility spans 20,000 square meters and includes various film sets such as a hospital, Tiger City, and a war-torn area. This site was built as part of an agreement between twofour54 and Yash Raj Films.

WHAT WE DID?

- Conduct destructive and non-destructive tests on structural elements.
- Perform visual inspections and map damaged areas at the facility.
- Analyze test results to identify structural anomalies and causes of deterioration.
- Provide recommendations for repairing structural defects at Shooting Facility

2021

DUBAI

ASTRA POLYMERS FACTORY

AED 55,000

CLIENT: ASTRA POLYMERS

DURATION: 1 MONTH

CONDITIONAL ASSESSMENT

SAC was appointed to conduct a comprehensive conditional assessment and soil improvement works for Astra Polymers Factory. The project involved a detailed review of available documentation, followed by the execution of both geotechnical and geophysical surveys to identify potential geotechnical hazards.

WHAT WE DID?

- Review available relevant documentation.
- Carry out Geotechnical & Geophysical Survey.
- Identify the Geotechnical Hazards.
- Prepare Geotechnical Assessment report, condition assessment & Design of Soil improvement works, Drawings and recommendations.
- Prepare structural survey report, test results, condition assessment & Design, Drawingsand recommendations.

2023

ABU DHABI

VILLA 12, KHALIFA CITY

CLIENT: EAST CONSULT

DURATION: 1 MONTH

STRUCTURAL INSPECTION

The project involved the structural assessment and rehabilitation of a G+1 residential villa located in Khalifa City, Abu Dhabi, which included a boundary wall, guard room, electrical room, and service building. The villa's reinforced concrete structure, particularly the ground beams, boundary wall columns, and foundation beams, exhibited severe deterioration due to concrete degradation and corrosion of the steel reinforcement bars. Additionally, local tile deterioration and heaving on the first floor were observed, caused by fines in the sand layer and water leakage.

WHAT WE DID?

(SAC) was tasked with conducting both destructive and non-destructive field tests, laboratory tests, and detailed defect mapping. The primary objectives were to evaluate the structural issues and provide a comprehensive report on the causes of deterioration, along with recommendations for remedial actions.

2024

ABU DHABI

AL RAYYANA STORM MANHOLES

AED 95,000

CLIENT: PROVIS

DURATION: 1 MONTH

ASSESSMENT OF HIGH SALINITY WATER IN STORM MANHOLES

The system network of storm water at the basement was inspected by SWS, and found that TDS values are exceeding the limits specified by SWS. Accordingly, the client (PROVIS) had requested SAC to proceed with the assessment of the stormwater network system root cause of these high salinities in the disposed water.

WHAT WE DID?

- CCTV Inspection
- Flushing and Removal of Obstructions
- Sample Collection
- Findings & Summary report
- Preparation of BOQ & Tender documents
- Tender support

INFRASTRUCTURE ENGINEERING









2024

ABU DHABI

AL YASMINA JUNCTION

AED 1,128,000

CLIENT: ALDAR

DURATION: 6 MONTH

ROADS DESIGN AND SUPERVISION

Despite being a relatively small-scale project, the Al Yasmina School Junction Modification presented unique challenges, including a tight timeline, space constraints, and a diverse range of activities. The project scope included:

- Exposing, relocating, and protecting existing utilities.
- Ground improvement.
- New road construction.
- Overlaying existing roads.

WHAT WE DID?

- Detailed design of roads, street lighting, ground improvement, landscaping, and stormwater management.
- Obtaining necessary NOC approvals from all relevant authorities.
- Securing town planning approvals.
- ITC approvals.
- MCC approvals.
- Supervision of all site activities.

2024

ABU DHABI

ENHANCEMENT OF IP552 RIGHT TURN

AED 650,000

CLIENT: ALDAR PROJECTS

DURATION: 4 MONTH

ROADS DESIGN AND SUPERVISION

The project's objective is to create infrastructure design works as follows:

➢ Implementation of free right turn towards over bridge in place of signalized right turn to facilitate the movement of traffic and minimize any backlogs

➢ Modifying the central median noses and chamfering on side of the junction to better facilitate double left turn traffic movements

➢ Total approximate surface area of the affected roadworks to be modified is 600 m2

WHAT WE DID?

- Concept Design
- Preliminary Design
- Detailed Design :Combined Stages 1/2 RSA – Obtaining ITS approval,
- ➢ Preparation of Detailed Road Design
- ➢ Preparation of Wet and Dry Utilities as per the Project Deliverables
- ➢ Obtain Design Approval from Client and relevant authorities for the Detailed Design
- ➢ Obtain Town Planning Approvals and Design NOCs

2024

ABU DHABI

AMI ROADS ENHANCEMENTS D&B

MUBADALA

AED 580,000

CLIENT: MUBADALA

DURATION: 4 MONTH

ROADS DESIGN & INFRASTRUCTURE AUTHORITIES APPROVAL

The project's objective is to create infrastructure design works to facilitate the movement of traffic and minimize any backlogs

WHAT WE DID?

- Concept Design
- Preliminary Design
- Detailed Design :Combined Stages 1/2 RSA – Obtaining ITS approval,
- ➢ Preparation of Detailed Road Design
- ➢ Preparation of Wet and Dry Utilities as per the Project Deliverables
- ➢ Obtain Design Approval from Client and relevant authorities for the Detailed Design
- ➢ Obtain Town Planning Approvals and Design NOCs

ARCHITECTURAL ENGINEERING

2022

ABU DHABI

RESIDENTIAL VILLA COMPLEX 48 VILLAS

AED 5,775,000

CLIENT: OHANA REAL ESTATE DEVELOPMENT / IMKAN

DURATION: 3 YEARS

RESIDENTIAL VILLAS COMPLEX DESIGN & SUPERIVSION

SAC, acting as the main consultant, successfully delivered a full-package consultancy for the design and supervision of a development project consisting of 48 Villas. This encompassed a wide range of services including permitting, architectural design, structural engineering, MEP (Mechanical, Electrical, and Plumbing) design, Civil Defense compliance, and Estidama sustainable design. The project was executed seamlessly, reflecting our dedication to excellence and innovation in delivering exceptional design solutions.

WHAT WE DID?

- Permiting
- Architectural Design
- Structural Design
- MEP design
- Civil Defense
- Estidama Designs
- Supervision

2024

ABU DHABI

RESIDENTIAL VILLA

AED 170,000

CLIENT: HAZZA AL AMERI

DURATION: 2 MONTH

PRIVATE RESIDENTIAL VILLA DESIGN & SUPERIVSION

SAC, acting as the main consultant, successfully delivered a full-package consultancy for the design and supervision of a Private Villa. This encompassed a wide range of services including permitting, architectural design, structural engineering, MEP (Mechanical, Electrical, and Plumbing) design, Civil Defense compliance, and Estidama sustainable design. The project was executed seamlessly, reflecting our dedication to excellence and innovation in delivering exceptional design solutions.

WHAT WE DID?

- Permiting
- Architectural Design
- Structural Design
- MEP design
- Civil Defense
- Estidama Designs
- Supervision

2024

ABU DHABI

AL REEMAN, G+5 RESIDENTIAL BUILDING

MONTHLY RATE

CLIENT: JADARA HOME FOR REAL ESTATE DEVELOPMENT

DURATION: ONGOING

PROJECT MANAGEMENT CONSULTANCY

SAC successfully delivered client representative services for the G+5 residential building project in Downtown Shamkha, Abu Dhabi. Appointed by Jadara Home for Real Estate Development, SAC provided comprehensive guidance, management, and oversight throughout the design and permitting phases. Our goal was to ensure the project's timely and successful completion, meeting regulatory standards and client expectations.

WHAT WE DID?

- SAC ensured the G+5 residential building project in Downtown Shamkha met all design, regulatory, and client requirements. By effectively managing the design and permitting processes, SAC facilitated the smooth progression of the project, maintaining high standards of quality and delivering value to the client.

2019

UAE

GSM TOWERS

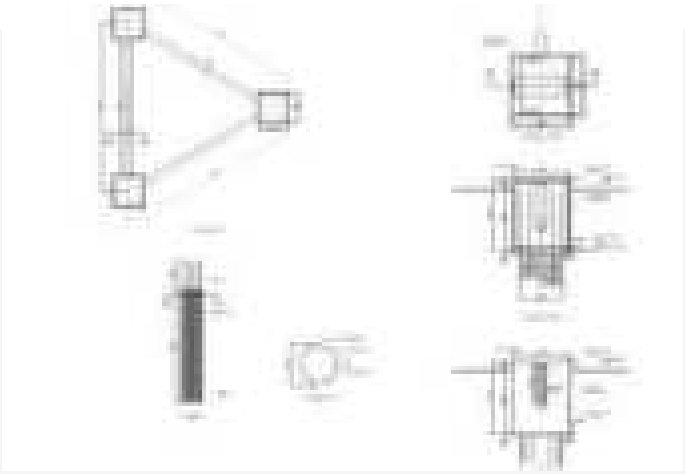
AED +1,200,000

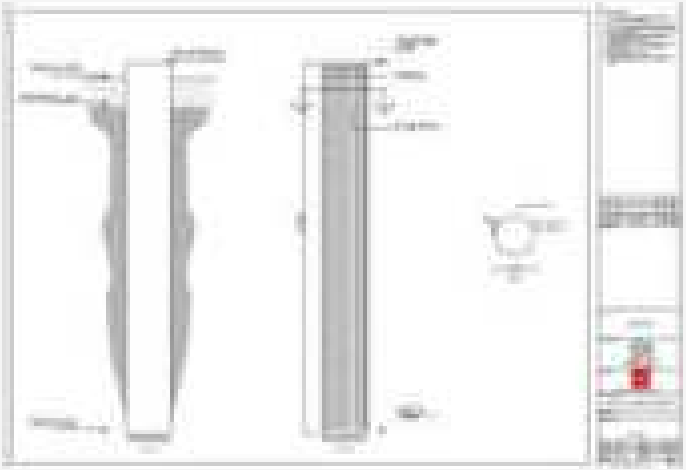
CLIENT: ALBABTAIN LE BLANC / ETISALAT & DU

DURATION: ONGOING

TELECOMUNICATION TOWER DESIGN

Since 2019, Super Arc Consultant LLC (SAC) has been entrusted by leading telecommunication contractors to provide specialized services for the design of foundations, supervision of civil works, technical support, and permitting for the construction of hundreds of GSM towers and monopoles across the UAE. SAC's role in this ongoing project, carried out for major telecom operators Etisalat and DU, spans a wide range of locations, ensuring the successful deployment of telecom infrastructure in both urban and remote areas.





WHAT WE DID?

- Detailed engineering analysis and design of robust foundations for GSM towers and monopoles, considering soil conditions, wind loads, and the structural requirements of each site.
- Production of comprehensive design reports, technical drawings, and specifications tailored to the unique needs of each tower and location.
- Optimization of foundation designs for cost-effectiveness and longevity, while adhering to local building codes and industry best practices.

2021

ABU DHABI

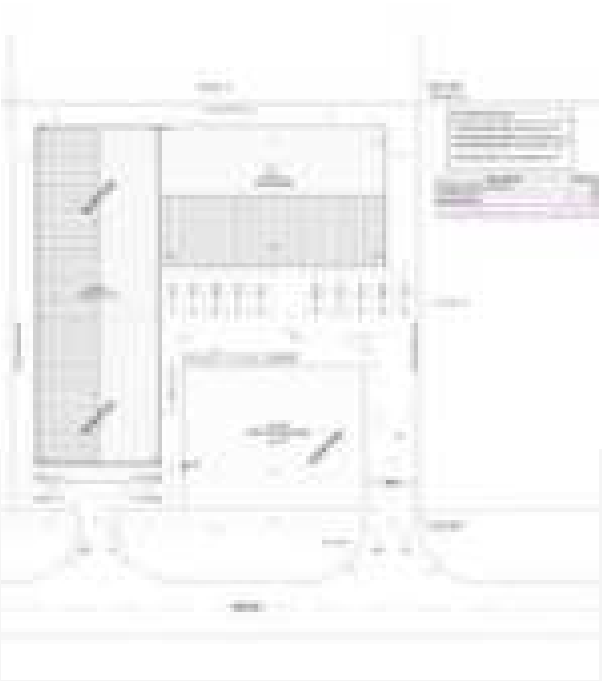
ALMAMOUN WELDING WAREHOUSE

AED 110,000

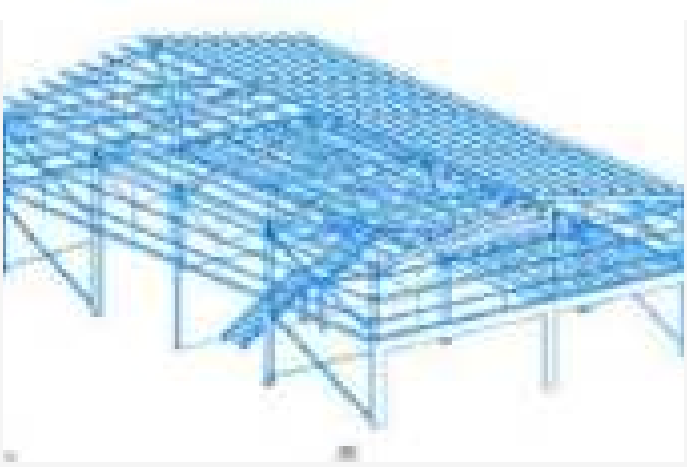
CLIENT: ALMAMOUN WELDING

DURATION: 3 MONTH

INDUSTRIAL WAREHOUSE DESIGN & PERMITTING



SAC, acting as the main consultant, successfully delivered a full-package consultancy for the design and supervision of a Industrial warehouse in Musaffah, Abu Dhabi. This encompassed many services including permitting, architectural design, structural engineering, MEP (Mechanical, Electrical, and Plumbing) design, Civil Defense compliance. The project was executed seamlessly, reflecting our dedication to excellence and innovation in delivering exceptional design solutions.



WHAT WE DID?

- Permiting
- Architectural Design
- Structural Design
- MEP design
- Civil Defense
- Estidama Designs
- Supervision

2022

ABU DHABI

CK BETON READY MIX CONCRETE PLANT

AED 125,000

CLIENT: CK BETON

DURATION: 3 MONTH

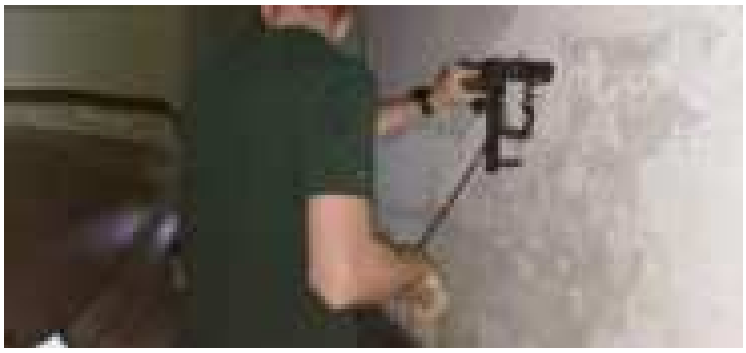
DESIGN OF READY MIX CONCRETE PLANT

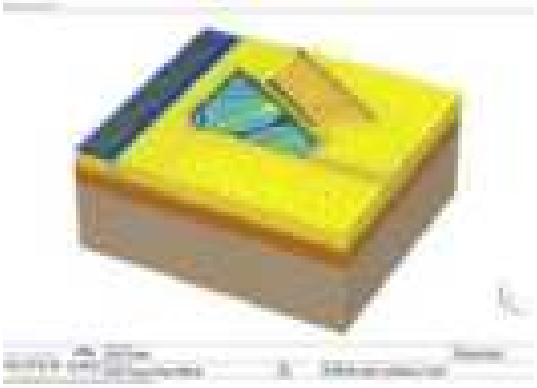
SAC, acting as the main consultant, successfully delivered a full-package consultancy for the design and supervision of a REady mix concrete plant in Al Faya Industrial area. This encompassed many services including permitting, architectural design, structural engineering, MEP (Mechanical, Electrical, and Plumbing) design, Civil Defense compliance. The project was executed seamlessly, reflecting our dedication to excellence and innovation in delivering exceptional design solutions.

WHAT WE DID?

- Permiting
- Architectural Design
- Structural Design
- MEP design
- Civil Defense
- Estidama Designs
- Supervision

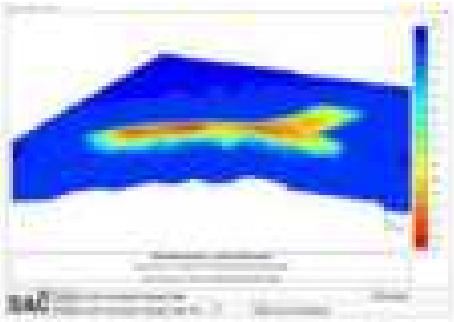
PROJECT GALLERY

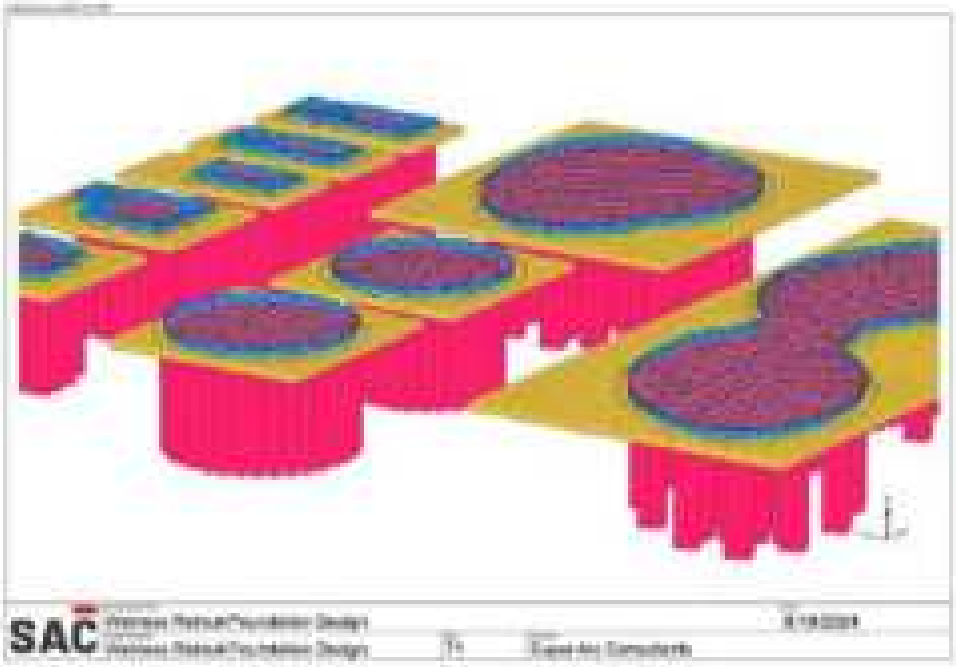




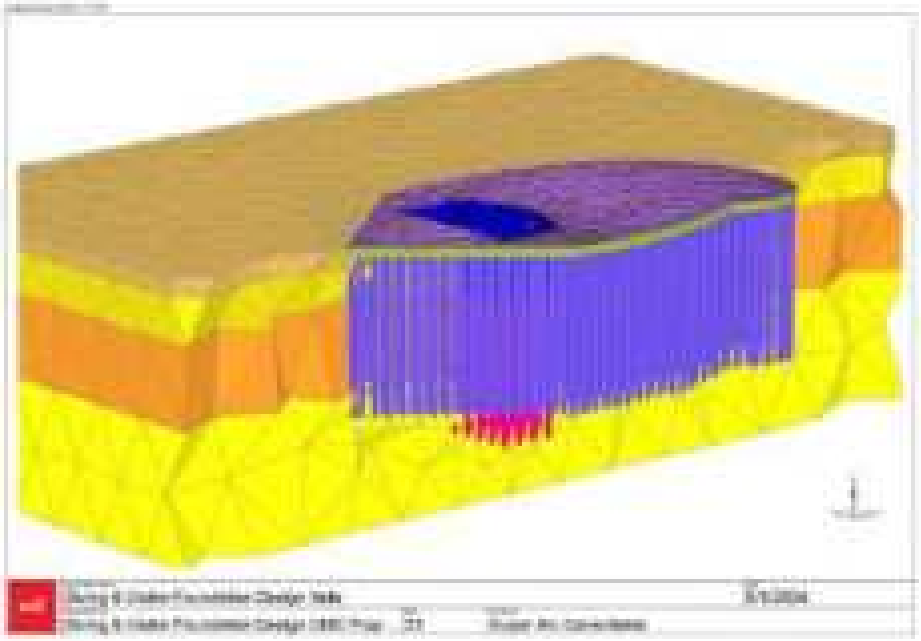

SAC

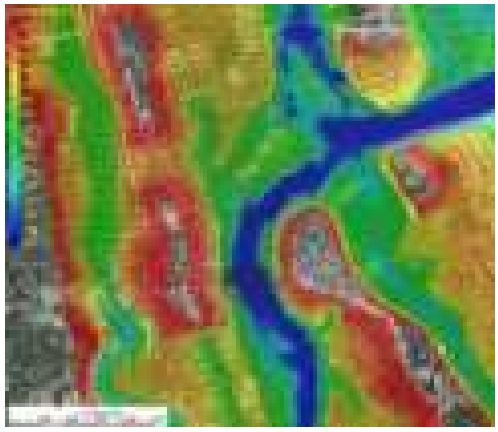

SAC



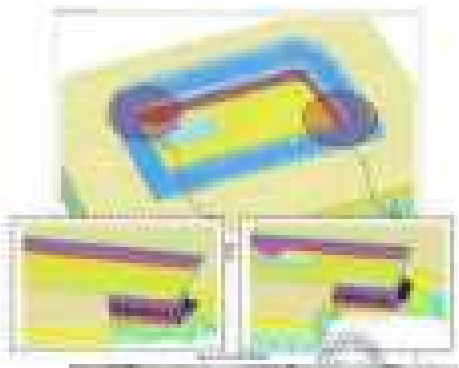


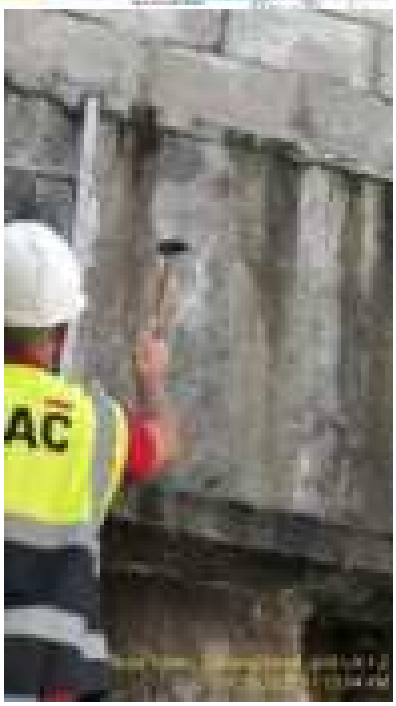

SURVEY WORK






SAC






إمكان
IMKAN

TESTIMONIALS

FIRST
HOMES
LIMITED

First Homes Limited
[illegible]

Ref.: TFG/C/AB/01/124
Date: 9th May 2023

SUPER ARC CONSULTANTS LLC
9th Street, M-15
Abu Dhabi, UAE
Tel.: 02-5833207
Email: [illegible]

Attn.: **Dr. Mohammad Al Husein – Managing Partner**

Project: ***The Diamond Tower at Dubai Sports City on Plot No. 6821295 R6-22, Dubai, UAE***

Subject: ***Letter of Appreciation***

Dear Dr. Al Husein,

I am writing this letter to express my sincere gratitude for the outstanding services your firm provided to our organization.

Your team of engineers demonstrated high professionalism, expertise, and dedication throughout the project, and we are extremely pleased with the results.

From the initial consultation to the final implementation of the project, your team worked tirelessly to ensure that our needs were met and that the project was completed on time and within budget.

Your consultants were always available to answer our questions and provide guidance, and they went above and beyond to ensure that we were satisfied with the outcome.

In addition to their technical expertise, they also displayed excellent communication skills and a genuine interest in understanding our organization's unique needs and challenges. This helped build a strong and positive working relationship, which was instrumental in the project's success.

We cannot express enough how impressed we were with your team's professionalism and dedication. Your firm has set a high standard for consulting services, and we look forward to working with you again in the future.

Yours faithfully,
For ***First Homes Limited***

Amr Al Baiegh
Chief Construction Officer

KN INTERNATIONAL

[redacted]

Super Arc Consultants (SAC)
P.O. Box 108801
Abu Dhabi, U.A.E.
Fax: +971 2 563 3207

Att. of: Mr. Mohammad Al Hussein, Managing Partner

[redacted]

Project Name: **ADMM Track Modification Project**

Subject: **Appreciation Letter**

Dear Sir,

We are writing this Letter to express our appreciation to work with M/s Super Arc Consultant (SAC) on Track Modification project as one of our sub-consultants particularly for the soil improvement works. We appreciate the expertise, guidance, and support that SAC team provided throughout the project.

We are happy to provide this appreciation letter recognizing SAC contributions to the project's success. We believe that this collaboration has laid a strong foundation for future success and growth for both companies, and we look forward to working together on future projects.

For KN International Architects and Engineers LLC
Yours sincerely,

KN INTERNATIONAL

Roberta Elchuro
Project Manager

[redacted]

[redacted]

SAC

Letter Ref.: 05 May, 2023

To: **Super Arc Consultants (SAC)**
P.O. Box 108801, Fax: +971 2 563 3207
Abu Dhabi, U.A.E.

Attention: **Mr. Mohammed Al Hussein, Managing Partner**

Project: **Alpine Coaster**

Subject: **Appreciation Letter**

Dear SAC,

We are writing this Letter to express our gratitude for the invaluable support and contribution provided by M/s Super Arc Consultant (SAC) throughout the Alpine Coaster project. SAC's expertise and specialized knowledge in Hydrological and Hydraulic Modeling have been crucial to the project's success.

We sincerely appreciate SAC's commitment and dedication to the project, which has significantly contributed to the successful outcome of the project. We are pleased to provide this letter of appreciation to acknowledge SAC's significant contributions.

Our collaboration with SAC has laid a strong foundation for a successful partnership and growth for both our companies. We look forward to continuing our partnership on future projects and working together to achieve mutual success.

Thank you for your outstanding contributions to the Alpine Coaster project.
Sincerely,

For and on behalf of
HPS Play Trading L.L.C

Sherif Ezz- Project Manager

OUR CLIENTS

our clients

OUR CLIENTS


EMAAR


Dewan


ADNOC


JADARA


MODON


HOLDING


MAB Consult


KHIDMAH


PROVIS


TDIC


NAKHEEL


HILALCO
PAVING THE WAY FORWARD


AD PORTS GROUP


Mai Dubai


JAZAL


MUBADALA


Ali & Sons

our clients


APG

TCR

GHANTOOT GROUP

EL SEIF

ACTION

تطوير
TATWEER

GGICO

TAWASOL

CIVIC
CONTRACTORS

ديار
DEYAAR

ECG

AL BURJ ALMARY

STROMEK

HLG


DC Energy Systems


HATEN

dar al-handasah

DSA

BATCO



cpm

ACES

SOGREAH

Van Oord

KELLER

G|E|C


ghd

DHABI

our clients


METITO
TRACKER
ASTRA POLYMERS
GRUPO EULEN
THE ADDRESS
ARTELIA
ERC
taikus
Strainstall
FREYSSINET
SOLETANCHE BACHY
GS
SAUDI kad
SADC
BAUER
SPECTRA
NSF
ALEC
BARNONA
Fibres
pjsl
AL SAFEER
salini impregilo
WIMPEY LABORATORIES

LICENSES

Abu Dhabi Unified Licence
رخصة أبوظبي الموحدة

Licence Details — تفاصيل الرخصة

Licence Type	Business	تجارية	نوع الرخصة
Licence Category	Normal	عادية	فئة الرخصة
Economic Licence No.	CN-2546878		رقم الرخصة الاقتصادية
Unified Registration No.	101-2021-100000588		رقم السجل الموحد
Customs No.			الرقم الجمركي
ADCCI No	2587327		رقم عضوية الغرفة
MOHRE Establishment Card No.	946054		بطاقة المنشأة - وزارة الموارد البشرية والتوطين
ICP Establishment Card No.			بطاقة المنشأة - الهيئة الاتحادية للهوية والجنسية
Establishment Date	26/04/2018		تاريخ التأسيس
Issuance Date	09/07/2024		تاريخ الإصدار
Expiry Date	06/09/2025		تاريخ الانتهاء
Legal Form	Limited Liability Company	شركة ذات مسؤولية محدودة	الشكل القانوني
Trade Name	SUPER ARC CONSULTANT L.L.C.	سوبر آرك للاستشارات ذ.م.م	الاسم التجاري

Ownership and Representatives — الملكية والممثلين

ممثل عن Representative of	الدور/المنصب Role/Position	الجنسية Nationality	الاسم Name
	شريك Partner	الإمارات العربية المتحدة United Arab Emirates	معتصم بالله منصور ابراهيم جابر هلال MOHATASSIBILLAH MANSOOR IBRAHIM JABER HELAL
	شريك Partner	سوريا Syria	محمد خالد الحسين MOHAMMAD KHALID AL HUSEIN
	شريك Partner	سوريا Syria	طه محمد الحسين TAHA MUHAMMED ALHUSSEIN
	شريك Partner	سوريا Syria	يحيى محمد الحسين YAHYA MUHAMMED AL HUSSEIN

Licenced Activities — الأنشطة المرخصة

- Civil Engineering Consultancy	7110205	- استشارات في الهندسة المدنية
- Interior Design Engineering Consultancy	7110201	- استشارات هندسية في التصميم الداخلي
- Architectural Engineering Consultancy	7110202	- استشارات في الهندسة المعمارية
- Foundations and Soil Mechanics Engineering Consultancy	7110916	- استشارات هندسة الأساسات وميكانيكا التربة
- Onshore And Offshore Oil And Gas Fields And Facilities Services	0910018	- خدمات حقول ومنشآت النفط والغاز البرية والبحرية
- Road Engineering Consultancy	7110702	- استشارات هندسية في الطرق

To verify the economic licence kindly visit the TAMM service on www.tamm.abudhabi

DEPARTMENT OF MUNICIPALITIES AND TRANSPORT
دائرة البلديات والنقل

First Issuance No.	HCNC-2018-000231	رقم الإصدار الأول
First Issuance Date	Jul-02-2018	تاريخ الإصدار الأول
Trade License No.	CN-2546876	رقم الرخصة التجارية

License to Practice Engineering Activities (Classification Certificate - Engineering Consultancy Office)

رخصة مزاولة الأنشطة الهندسية (شهادة تصنيف - مكتب استشارات هندسية)

The Department of Municipalities and Transport - Abu Dhabi City Municipality certifies that the engineering firm, Mentioned below is considered classified according to the categories and specialties shown herewith, in accordance with regulation No. 192 for the year 2018 regarding consultants classification system in the Emirate of Abu Dhabi

تشهد دائرة البلديات والنقل - بلدية مدينة أبوظبي بأن المنشأة الهندسية المبين تفاصيلها أدناه تعتبر مصنفة بالفئات والتخصصات الموضحة أدناه، وذلك وفقا للقرار رقم 192 لسنة 2018 بشأن نظام تصنيف الاستشاريين في إمارة أبوظبي

Engineering Activities Practicing License Details		بيانات رخصة مزاولة الأنشطة الهندسية
License No. (with updates)	C11-2024-2546876-LM11	رقم الرخصة (مع التحديث)
License Category	Second - الثانية	فئة الرخصة الممنوحة
License Status	Classification Valid - التصنيف فعال	حالة الترخيص
Issue No	6	رقم الإصدار
Issuance Entity	Abu Dhabi Municipality - بلدية مدينة أبوظبي	جهة الإصدار
Issuance Date (with updates)	30/11/2022	تاريخ الإصدار (مع التحديث)
Expiry Date	29/11/2024	تاريخ الانتهاء

Engineering Firm Details		بيانات المنشأة الهندسية
Trade License No.	CN-2546876	رقم الرخصة التجارية
Firm Name (AR)	سوبر آرك للاستشارات ذ.م.م	اسم المنشأة الهندسية - عربي
Firm Name (EN)	SUPER ARC CONSULTANT L.L.C.	اسم المنشأة الهندسية - إنجليزي
Firm Legal Form	Limited Liability Company - شركة ذات مسؤولية محدودة	الشكل القانوني للمنشأة الهندسية
Firm Form	Local Consultant Office - مكتب هندسي محلي	شكل المنشأة
Firm Technical Manager Name	MOHAMMAD KHALID AL HUSEIN - محمد خالد الحسين	اسم المدير الفني للمنشأة الهندسية
Official Phone No.	971552582001	رقم التواصل الرسمي للمنشأة
Official Email	alhusein_mohammad@hotmail.com	البريد الإلكتروني الرسمي للمنشأة
Address	المصفح ، 15 ، 0 : "، مدن حكومة أبوظبي	العنوان

إجمالي عدد الأنشطة المصنفة Total Number of Classified Activities	السادسة Sixth	الخامسة Fifth	الرابعة Fourth	الثالثة Third	الثانية Second	الأولى First	الخاصة Special	فئة النشاط Activity Category
5	0	0	0	0	5	0	0	عدد الأنشطة المصنفة Number of Classified Activities

فئة تصنيف النشاط Classification Category	حالة تصنيف النشاط عند الإصدار/التحديث Classification Status Upon First Issuance/Amendment	اسم النشاط Activity Name	رمز النشاط Activity Code	مسلسل Serial
Second - الثانية	التصنيف فعال Classification Valid	استشارات في الهندسة المعمارية Architectural Engineering Consultancy	7110202	1
Second - الثانية	التصنيف فعال Classification Valid	استشارات في الهندسة المدنية Civil Engineering Consultancy	7110205	2
Second - الثانية	التصنيف فعال Classification Valid	استشارات هندسية في الطرق Roads Engineering Consultancy	7110702	3
Second - الثانية	التصنيف فعال Classification Valid	استشارات الهندسة الكهربائية لخدمات المباني Electrical Works For Building Services Engineering Consultancy	7110903	4

The above Engineering Firm must abide by the conditions and notes associated to the license issued by the Department of Municipalities and Transport (DMT).

www.dmt.gov.ae

SAC

الهيئة الاتحادية للضرائب
FEDERAL TAX AUTHORITY

شهادة تسجيل لضريبة القيمة المضافة في الإمارات العربية المتحدة

Certificate of Registration for Value Added Tax in the United Arab Emirates

The Federal Tax Authority certifies that the entity below is a registered person for Value Added Tax in the UAE

تشهد الهيئة الاتحادية للضرائب أن الجهة التالية مسجلة لضريبة القيمة المضافة في الإمارات العربية المتحدة

Full Arabic legal name	[illegible]	الاسم القانوني الكامل باللغة العربية
Full English legal name	SUPER ARC CONSULTANT L.L.C.	الاسم القانوني الكامل باللغة الانجليزية
Registered address	[illegible] Abu Dhabi [illegible]	العنوان المسجل
Tax Registration Number	[illegible]	رقم التسجيل الضريبي
Effective Registration Date	01/04/2020	تاريخ التسجيل الفعلي
First VAT Return Period	01 Apr 2020 - 30 Jun 2020 and quarterly thereafter	فترة أول إقرار لضريبة القيمة المضافة
VAT Return due date	28 Jul 2020	تاريخ استحقاق إقرار ضريبة القيمة المضافة
Start and end dates of Tax periods:	1 Apr to 30 Jun, 1 Jul to 30 Sep, 1 Oct to 31 Dec, 1 Jan to 31 Mar	بداية ونهاية الفترات الضريبية

يرجى التأكد من صحة تفاصيل الشهادة. يجب إبلاغ الهيئة الاتحادية للضرائب في حال تغير الأسس التي حصلت فيها على رقم التسجيل الضريبي الخاص بك.

Please check that the details on this certificate are correct. You must inform the Federal Tax Authority of any change on the basis of which you obtained your Tax Registration Number.

Issuing Date: 11/03/2020 تاريخ الإصدار

SAC

United Arab Emirates Ministry of Interior General Directorate of Civil Defense General Department of Civil Defense - Abu Dhabi		دولة الامارات العربية المتحدة وزارة الداخلية القيادة العامة للدفاع المدني أبوظبي - الإدارة العامة للدفاع المدني

رقم: [illegible]

شهادة استيفاء شروط السلامة الوقائية

صدرت هذه الشهادة استنادا إلى قرار مجلس الوزراء رقم (24) لسنة 2012 م في شأن تنظيم خدمات الدفاع المدني بالدولة

الاسم التجاري للمنشأة : [illegible] رقم الرخصة : [illegible] رقم الأرض :

المالك : [illegible] الجنسية : -

العنوان : [illegible] - أبوظبي صلاحية الشهادة : من 24-07-2023 إلى 23-07-2024 صدرت بتاريخ : 24-07-2023

ملاحظات:

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

هاتف : [illegible] فاكس : - الموقع الإلكتروني : www.adcd.gov.ae

نظام الشكاوى والمقترحات : [illegible]

الطوارئ
997
999
Emergency


دائرة البلديات والنقل
DEPARTMENT OF MUNICIPALITIES
AND TRANSPORT
تشهد دائرة البلديات والنقل بمنح
The Department of Municipalities and Transport hereby awards
يحيى محمد الحسين
Yahya Muhammed Alhussein
شهادة مؤهل مختص بنظام التقييم بدرجات اللؤلؤ
The designation of Pearl Qualified Professional (PQP)
By demonstrating competence in applying the Pearl Building Rating System (PBRS)
Estidama
إستدامة

Certificate Of Registration

Awarded to

SUPER ARC CONSULTANT L.L.C

at

P.O BOX: 41475, OFFICE NO: 610, PRP61934, M-15, BUILDING NO. 6, MUSSAFAH, ABU DHABI, UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS & ISO standard requirements for registration of the management system standard detailed below:

ISO 9001:2015

Quality Management Systems

Scope of work

- FOUNDATIONS AND SOIL MECHANICS ENGINEERING CONSULTANCY
- CIVIL ENGINEERING CONSULTANCY
- ARCHITECTURAL ENGINEERING CONSULTANCY
- ROAD ENGINEERING CONSULTANCY
- CONSULTANCY OF SURVEY ENGINEERING
- INDUSTRIAL FACILITIES ' INSTALLATIONS INSPECTION ENGINEERING SERVICES

IAF 34
Certificate No: AAU-10212
Originally Registered: 02 JUN 2023
Latest Issue: 02 JUN 2023
Valid up-to: 01 JUN 2026

Quality Registrar Systems

UAE OFFICE ADDRESS

Quality Registrar Systems Intl.
Abu Dhabi, United Arab Emirates
www.qrs-intl.com

WORLDWIDE CERTIFICATION

This is an accredited certificate authorized for issue by Accreditation Service for Certifying Bodies LLC who have assessed QRS (Intl.) as a Certifying Body for compliance with ISO 17021:2015 Conformity Assessment - Requirements for bodies providing audit and certification of management systems. This certificate is only valid when confirmed by the register listed in the QRS (Intl.) (qrs-intl.com)

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OHSMS CERTIFICATE • OHSMS CERTIFICATE • OHSMS CERTIFICATE

Certificate of Registration

LEMS CERTIFICATIONS

This is to certify that
the Occupational Health & Safety Management System of

SUPER ARC CONSULTANT L.L.C

P.O.Box No.41475, Office No.610, Building No.6, M 15,
Abu Dhabi, United Arab Emirates.

Has been independently assessed and is compliant with the requirements of

ISO 45001:2018

(Occupational Health & Safety Management System)

This Certificate is applicable to the following product or services ranges:

Civil Engineering Consultancy, Architectural Engineering Consultancy, Foundations and Soil Mechanics Engineering Consultancy, Onshore and Offshore Oil and Gas Fields and Facilities Services, Road Engineering Consultancy, Industrial Facilities Installation, Interiors Design Engineering Consultancy, Hydrological Engineering Consultancy.

CERTIFICATE NO: AE 1000672/03/H

Date of this Certificate	03 SEP 2024	Date of Initial Registration	03 SEP 2024
Date of Certificate Expiry	02 SEP 2025	Re-certification Due	02 SEP 2027

Director

ASCB

This certificate is property of LEMS and remains valid subject to satisfactory surveillance audits. Certified organization is responsible for maintaining the compliance of relevant standard rules. Any significant changes in the scope of the certification or standard referred above renders this certificate invalid.

LEMS QUALITY & STANDARDIZATION CERTIFICATES ISSUING SERVICES

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Dubai, United Arab Emirates.

LEMS has been assessed by accreditation service for certification bodies LLC (ASCB) , 8 The Green, Dover, DE,19901, United States as a certifying body for compliance with ISO 17021:2015 conformity assessment. This certificate can be verified on www.lemscert.com

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EMS CERTIFICATE • EMS CERTIFICATE • EMS CERTIFICATE

Certificate of Registration

LEMS CERTIFICATIONS

This is to certify that
the Environment Management System of

SUPER ARC CONSULTANT L.L.C

P.O.Box No.41475, Office No.610, Building No.6, M 15,
Abu Dhabi, United Arab Emirates.

Has been independently assessed and is compliant with the requirements of

ISO 14001:2015

(Environmental Management System)

This Certificate is applicable to the following product or services ranges:

Civil Engineering Consultancy, Architectural Engineering Consultancy, Foundations and Soil Mechanics Engineering Consultancy, Onshore and Offshore Oil and Gas Fields and Facilities Services, Road Engineering Consultancy, Industrial Facilities Installation, Interiors Design Engineering Consultancy, Hydrological Engineering Consultancy.

CERTIFICATE NO: AE 1000672/02/E

Date of this Certificate	03 SEP 2024	Date of Initial Registration	03 SEP 2024
Date of Certificate Expiry	02 SEP 2025	Re-certification Due	02 SEP 2027

Director

Issue No.01

ASCB

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