



Namaa Map

Board of Directors



Eng. Abdul Hakim Al-Khalifa



Prof. Dr. Esam Sharaf



Eng. Salh Al M'thm



Eng. Alaa Maarouf

On behalf of the team at Namaa Map Company of experts, engineers, technicians and administrators, we are honored to present a brief guide to introduce our company and our vision to achieve creative integration between the fields of engineering to provide pioneering and innovative solutions. To explore new horizons for a better future.

Who We Are:

Namaa Map Company was established in 2011 as a mixed professional company Namaa Consult was established in 1998. Our company was honored to have Prof. Dr. Essam Sharaf (Former Prime Minister of Egypt) as Chairman since the establishment.

Namaa Consult adopted the methodology of sustainable management in order to provide better and faster service to its customers, through the optimal application of consult services which is the most important market requirement. Recently, the company went through stages of growth and expansion locally and regionally to provide better coverage to our customers.



Vision:

Our vision is based on upgrading the level of engineering services through integrating the various scientific and technological fields, and supporting the community in order to achieve a better return and safe applications for our clients.



Mission:

We take it upon ourselves to contribute to the advancement of the engineering profession and face challenges, and we seek to think creatively in all our work, as we combine efficiency and engineering professionalism with ethics. We know very well our capabilities and we know what we aspire to and how to reach it through having a team spirit.



Core Values:

We combine engineering professionalism with integrity, ethical behavior, a culture of mutual respect, creative thinking, commitment to our community, the pursuit of excellence, and making our world a better place.



Our Services:

1. Urban Development, Design, and Planning.
2. Architecture and Construction Engineering.
3. Electromechanical Engineering.
4. Highway and Transportation Engineering.
5. Water and Environmental Engineering.
6. Investment and Asset Management.
7. Laboratories, Quality Control, and Soil Investigation.
8. Geographic Information Systems.



1-1

**Highway and Transportaion
Engineering
(Studies and Designs)**

Highway and Transportation Engineering

The company's experience in highway and bridge engineering is vast, gained through projects that strike the perfect balance between modern architectural elements and local cultural requirements. Namaa has also developed a number of traffic studies resulting in enhanced travel safety and efficiency. Namaa has participated in the planning, surveying, designing, feasibility studies, construction management, and supervision of all categories of urban and rural highways. So far, Namaa has designed and supervised the construction of a large number of highways and arterial roads.

Road Asset Management Department:

The services of this department extend beyond the stages of feasibility studies, design, marketing, presentation, implementation, supervision, operation, and maintenance to develop the system management and to optimize the use of assets and achieving fruitful integration with development plans at the country level.

Floods and Rain Protection Department:

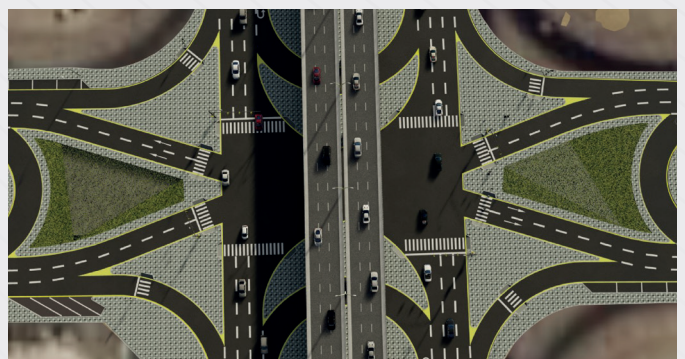
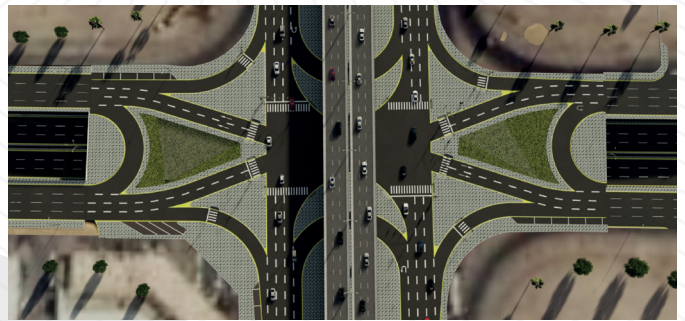
Global climate change poses a growing threat to engineering project infrastructure. This to help our clients build a robust and long-lasting infrastructure that responds well to extreme weather events and that is prepared for the effects of climate change without noticeable change in costs

Tunnel in Al-Nasr Road at the intersection with Al-Ha'ir Road Project

Project Brief: The tunnel was designed with a total width of 27.40 meters with three traffic lanes in each direction, and a total length of about 750 meters.

Clients: Ministry of Municipal & Rural Affairs, Riyadh Municipality

Location: Riyadh, Kingdom of Saudi Arabia



Tunnel in Omar Ibn Al-Khattab Road at the intersection with Al-Nahdah Road Project

Project Brief:

- Designing a tunnel to improve the current state of the existing roads.
- Studies (technical, economic, environmental, topographic survey, traffic and safety planning, hydrology).
- Preparing designs and drawings (engineering, architectural, structural, utility conversion, electrical).
- Preparing tender documents.

Clients:Ministry of Municipal & Rural Affairs, Riyadh Municipality

Location:Riyadh, Kingdom of Saudi Arabia

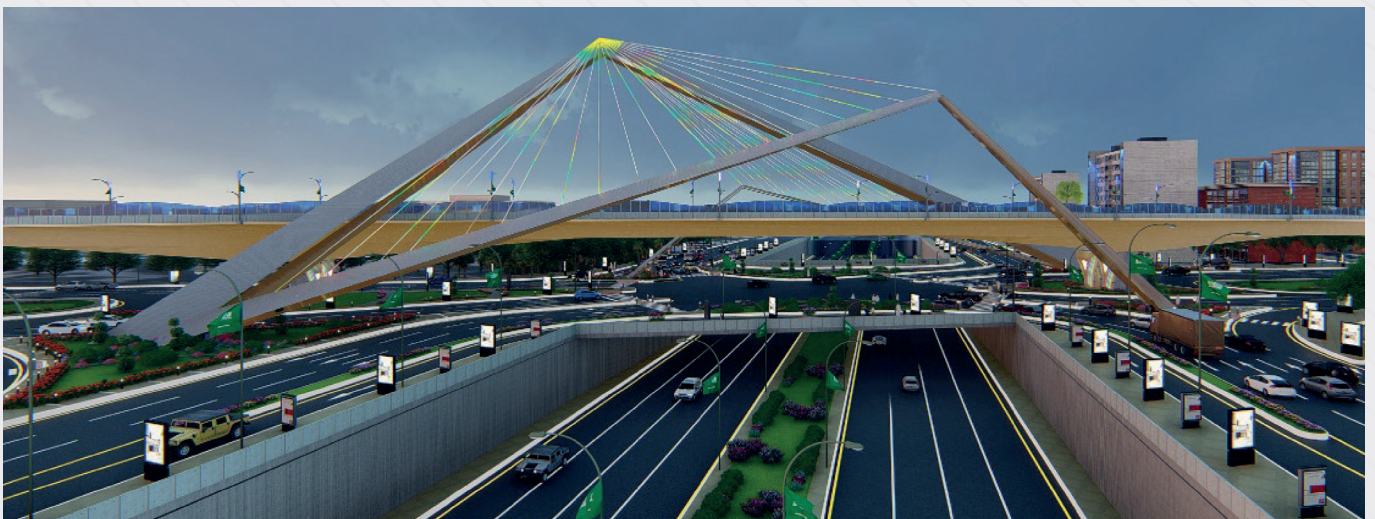


Prince Turki Al-Awal Road Bridge at the Intersection with the North Ring Road Project

Project Brief: The proposed bridge will separate the traffic movement into two directions at the aforementioned intersection. The bridge is 25.26 meters wide.

Clients: Ministry of Municipal & Rural Affairs, Riyadh Municipality

Location: Riyadh, Kingdom of Saudi Arabia

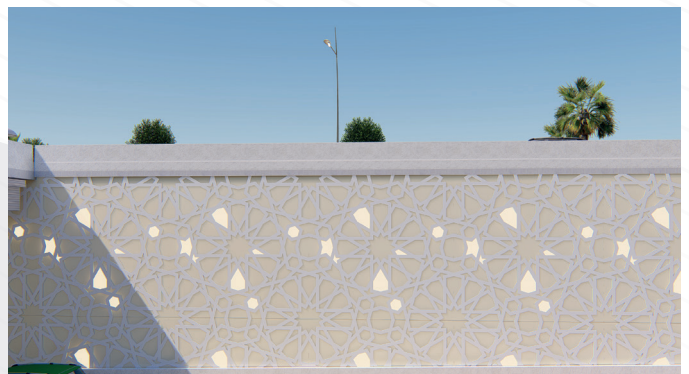
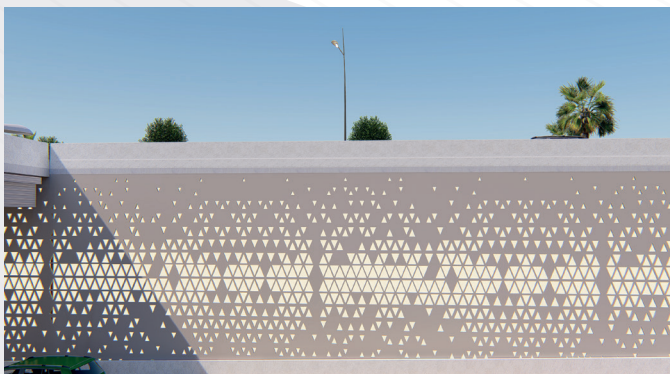
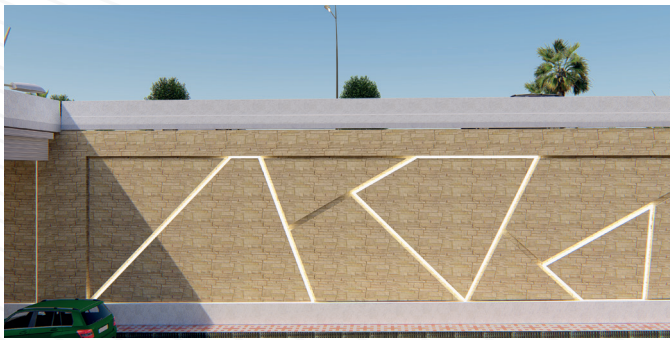


Tahliah Street Tunnel Project

Project Brief: Study and prepare designs for the improvement of the visual image of the tunnel.

Clients: Riyadh Municipality

Location: Riyadh, Kingdom of Saudi Arabia



Al-Ha'ir Road Bridge at the intersection with Al-Ghanimiah Street Project

Project Brief: The proposed bridge will separate the traffic movement into two directions at the aforementioned intersection. The bridge is 31.40 meters wide.

Clients: Riyadh Municipality, Ministry of Municipal & Rural Affairs

Location: Riyadh, Kingdom of Saudi Arabia



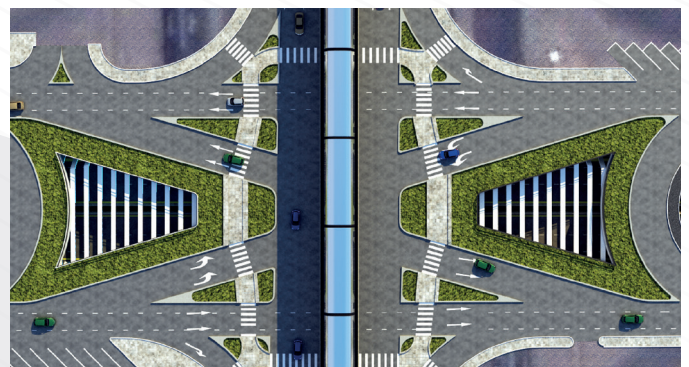
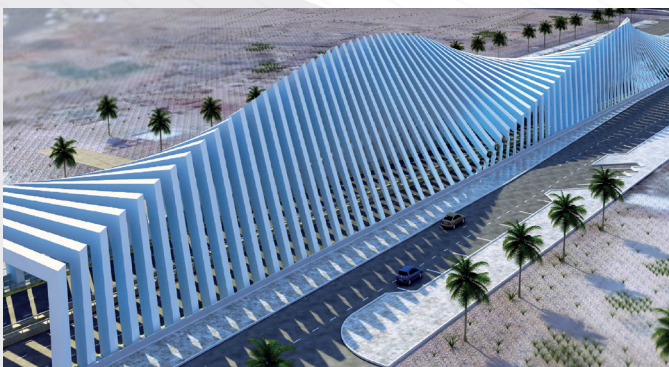
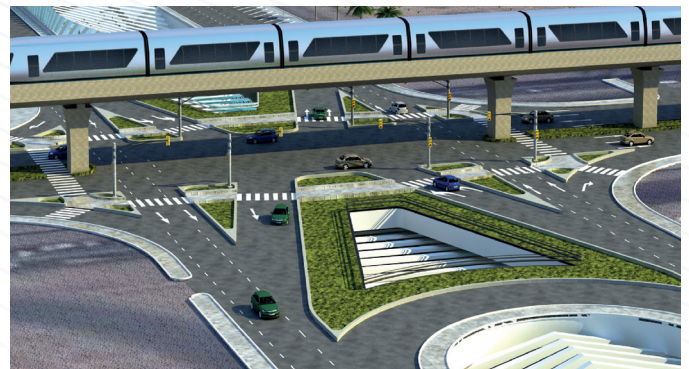
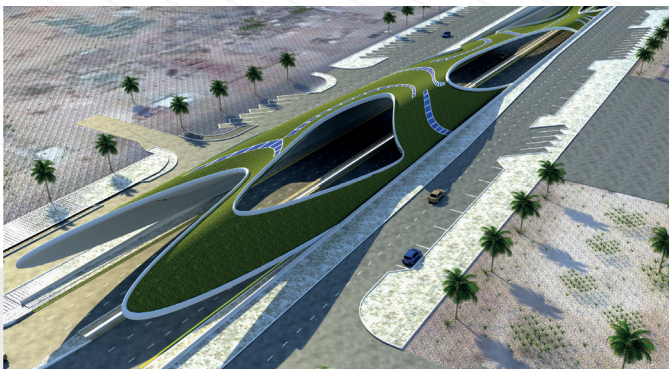
Tunnel along Araft Road at the Intersection with Mohammed Rashid Reda Project

Project Brief:

- Designing a tunnel to improve the current state of the existing roads.
- Studies (technical, economic, environmental, topographical survey, traffic planning, and safety hydrology).
- Preparing designs and drawings (engineering, architecture, structure, utilities conversion, electricity)
- Preparing tender documents.

Client: Riyadh Municipality, Ministry of Municipal & Rural Affairs

Location: Riyadh, Kingdom of Saudi Arabia



Smart Pedestrian Bridge at King Fahd Road Project

Project Brief: Designing a smart pedestrian bridge with cafeterias inside and advertisements about its height to achieve the best use and the highest profitability.

Client: Ministry of Municipal & Rural Affairs, Riyadh Municipality

Location: Riyadh, Kingdom of Saudi Arabia



Pedestrian Bridge in front of King Faisal Specialist Hospital Project

Project Brief: Study and design of a pedestrian bridge in front of King Faisal Specialist Hospital and Research Center to connect with the doctors and nurses housing on the other side of the Takhassousi Road to reach the best use.

Clients: Riyadh Municipality

Location: Riyadh, Kingdom of Saudi Arabia

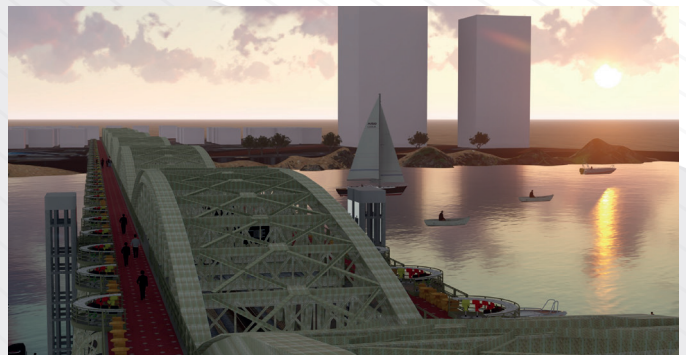
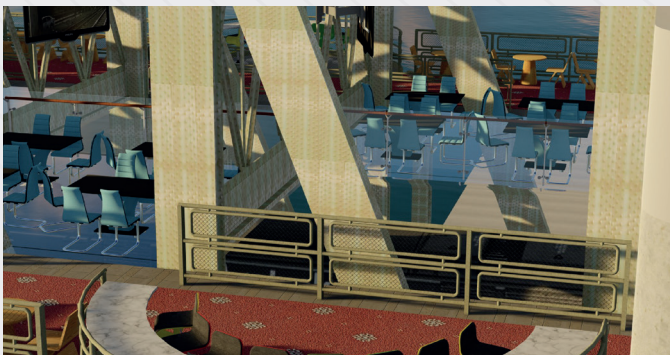


Imbaba Bridge Development Initiative Project

Project Brief: Studying, designing, and submitting the necessary proposals to develop the Imbaba heritage bridge, so that it becomes a distinctive sign of the place while providing smart innovative solutions that achieve the best use and the highest profitability.

Client: MOT for Investments and Projects

Location: Cairo, Egypt

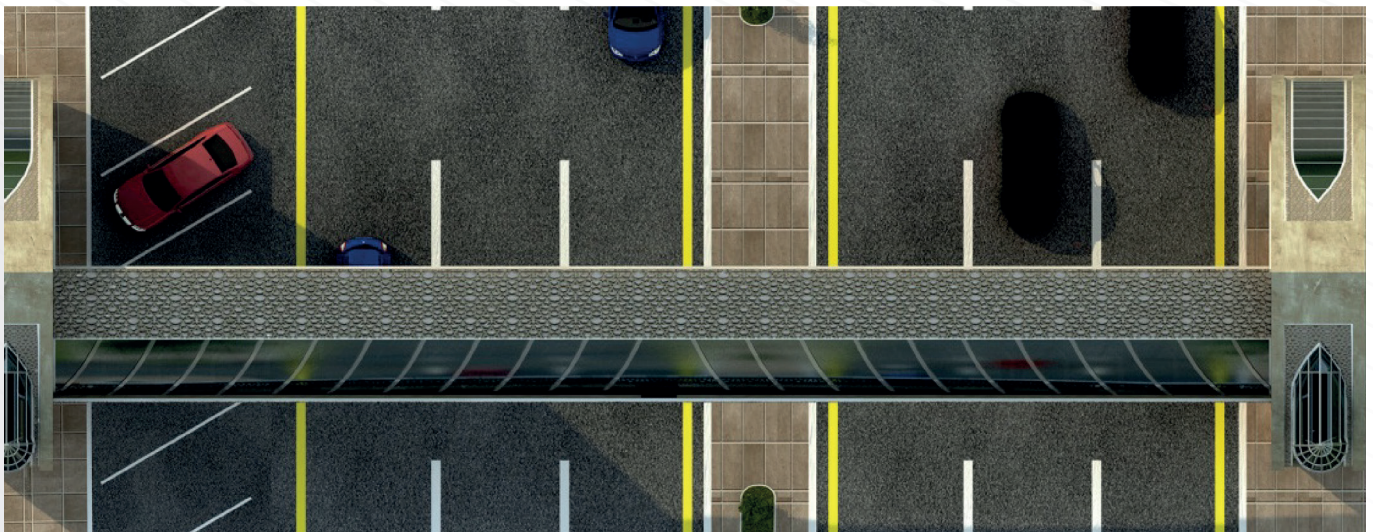


Pedestrian Bridge at Al-Suwaidi Road Project

Project Brief: The bridge is 46 meters in length, its structural system is a metal frame reinforced with concrete staircases and has panoramic elevators; the height of the bridge is used for commercial advertising.

Client: Ministry of Municipal & Rural Affairs, Riyadh Municipality

Location: Riyadh, Kingdom of Saudi Arabia



Upgrading of Taif - Al-Baha - Abha Road Project

Project Brief: Upgrading of the existing main road and service roads. The existing main road will be a 3-lane dual carriageway.

Client: Ministry of Transportation.

Location: Kingdom Saudi Arabia



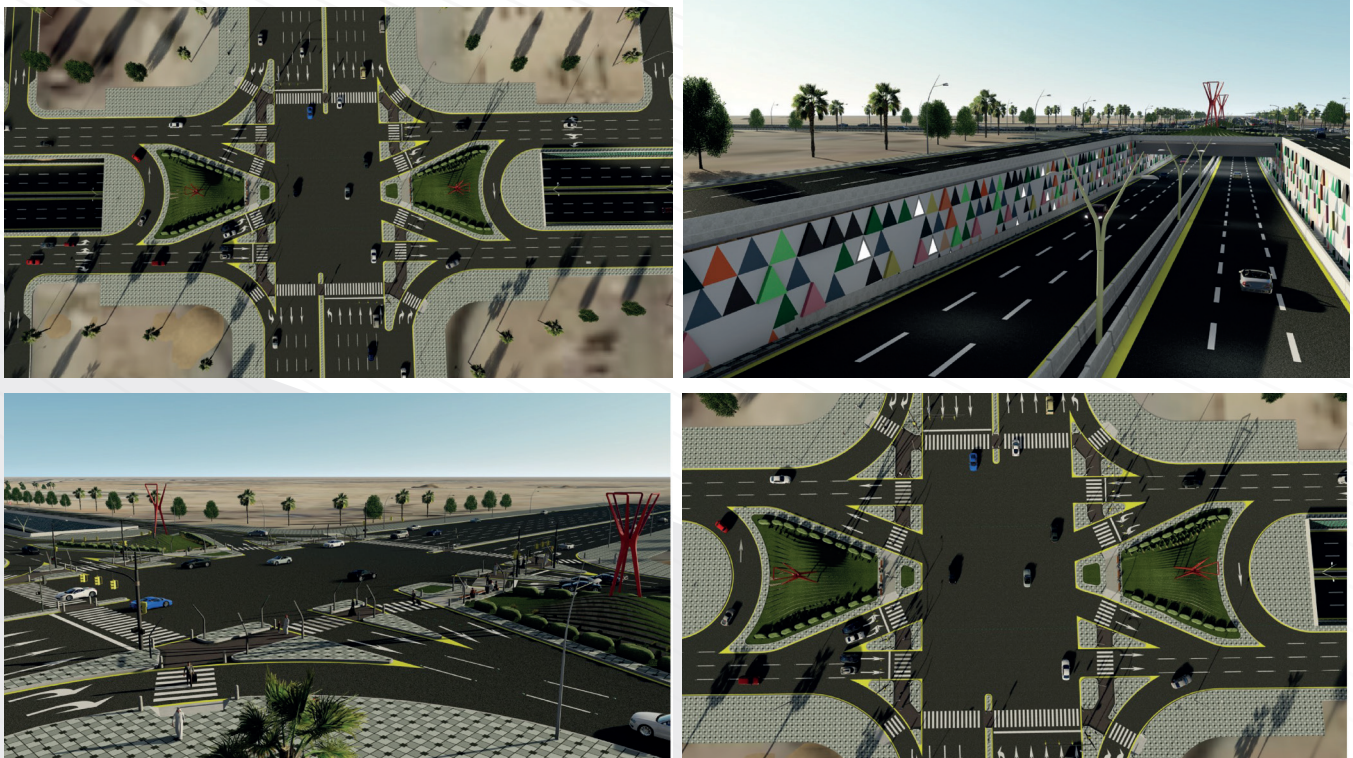
Tunnel in Prince Saud Ibn Abdullah Bin Jalawi Road at the intersection with King Abdulaziz Road Project

Project Brief:

- Designing a tunnel to improve the current state of the existing roads.
- Studies (technical, economic, environmental, topographic survey, traffic and safety planning, hydrology).
- Preparing designs and drawings (engineering, architectural, structural, utility conversion, electrical).
- Preparing tender documents.

Clients: Ministry of Municipal & Rural Affairs, Riyadh Municipality

Location: Riyadh, Kingdom of Saudi Arabia



Study and Design of Roads in Mekkah Project

Project Brief:

- Covering the dualization of Taif \ Al-Baha Road with a length of 120 km and five intersections
- Design of Kholes Intersection in Kholes City.

Client: Ministry of Transportation

Location: Kingdom of Saudi Arabia.



Study and Design of Roads in Taif Project

Project Brief - Study and design of Taif - Al-Baha - Abha Road for 120 km and implementation of a service road.

- Study and design of seven intersections on Taif - Al-Baha - Abha Road.
- Study and design of 8 km on the Taif Ring Road and two intersections linking the ring road with Taif - Al-Baha Road.
- Design of an interchange in front of King Abd El-Aziz Hospital on Taif Ring Road.

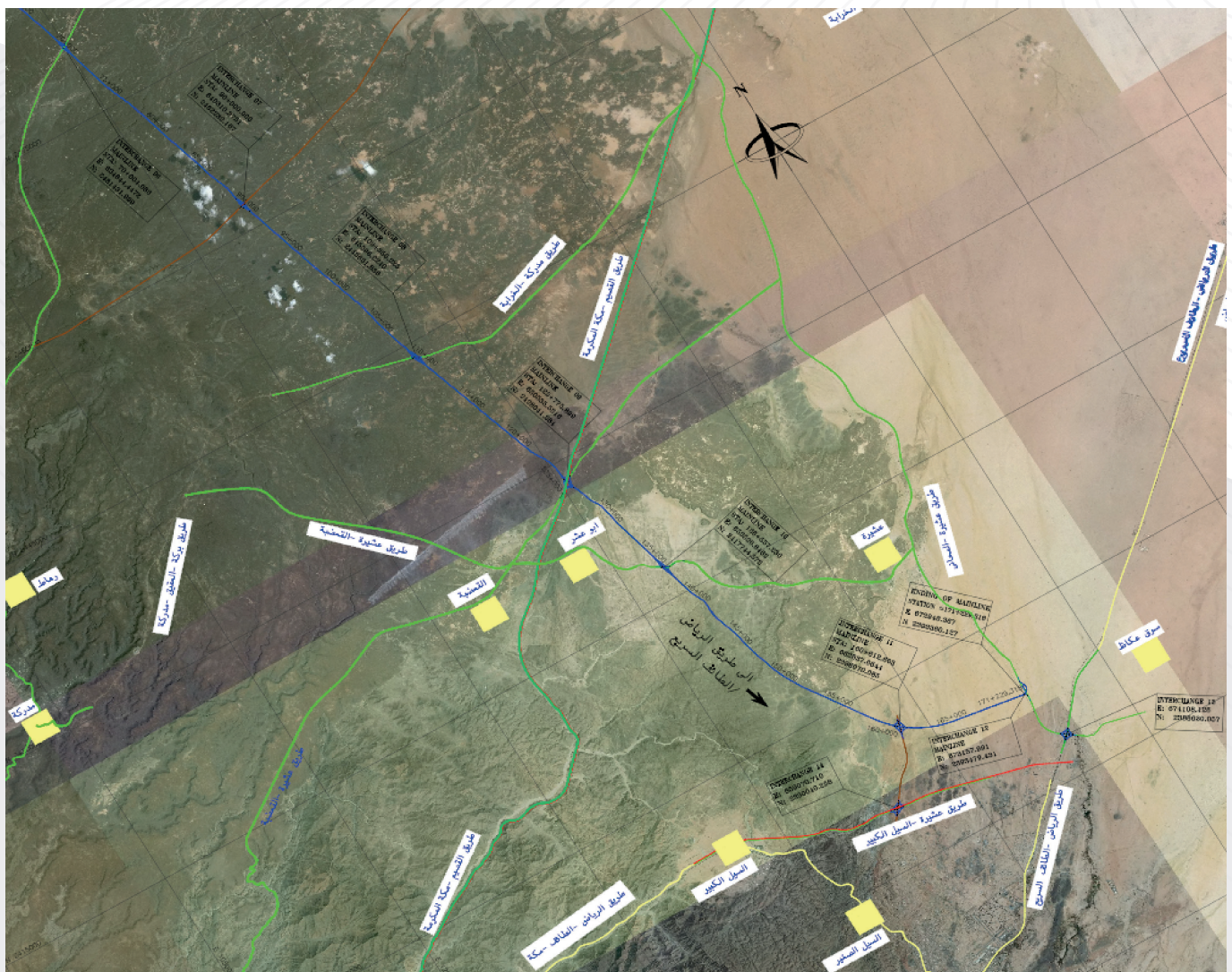
Client: Ministry of Transportation.

Location: Taif - Saudi Arabia.



Project Brief: Study and design of Al-Akhal / Taif road with a length of 220 km in the region of Mekkah and Madinah. Design of 10 intersections and about 15 wadi bridges.

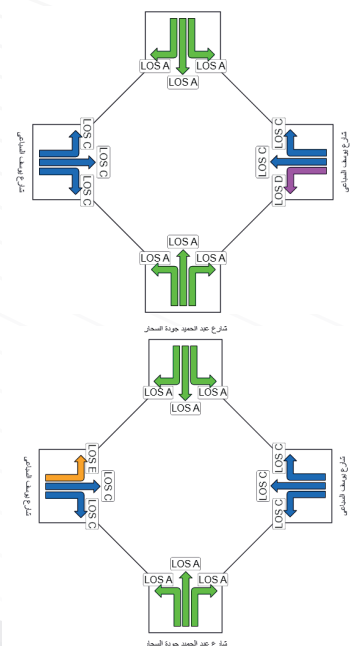
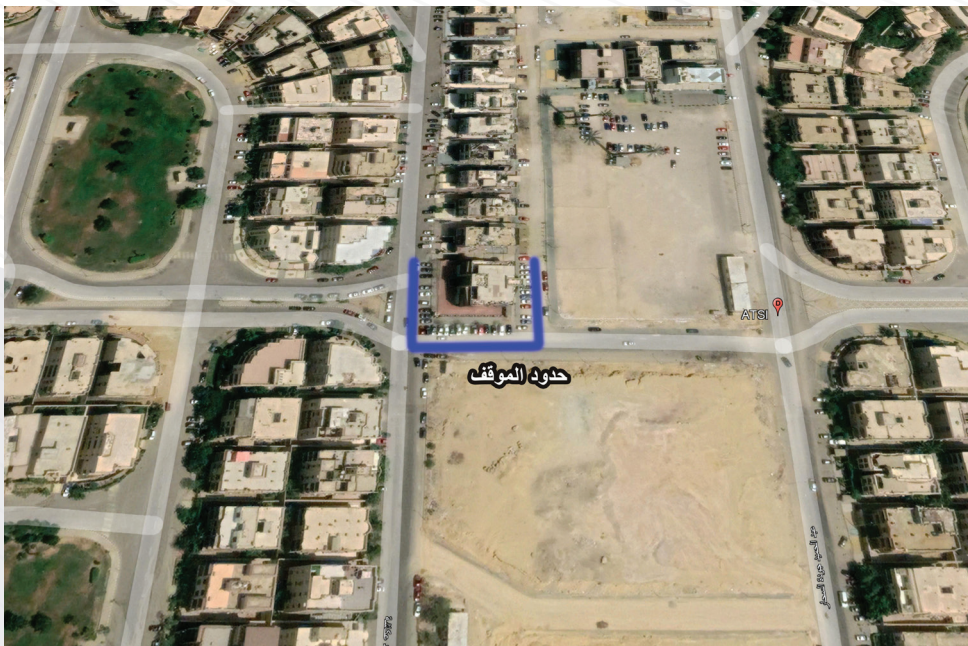
Location: Kingdom of Saudi Arabia



Traffic Impact Study of Al-Ahram Mall for Electrical Appliances Project

Project Brief:- Traffic surveys containing traffic volume counts at different locations around the project.

- Evaluation of the current level of service (LOS).
- Evaluation of the future LOS prior to the project.
- Estimation of the future traffic volumes and the generated volumes to and from the project and their allocation to the road.
- Evaluation of the future LOS after the project.
- Comparison of the results of the evaluation before and after the project.
- Estimation of the parking slots needed to serve the project.
- Recommendation to the improvements required to reduce the negative effects of the project.

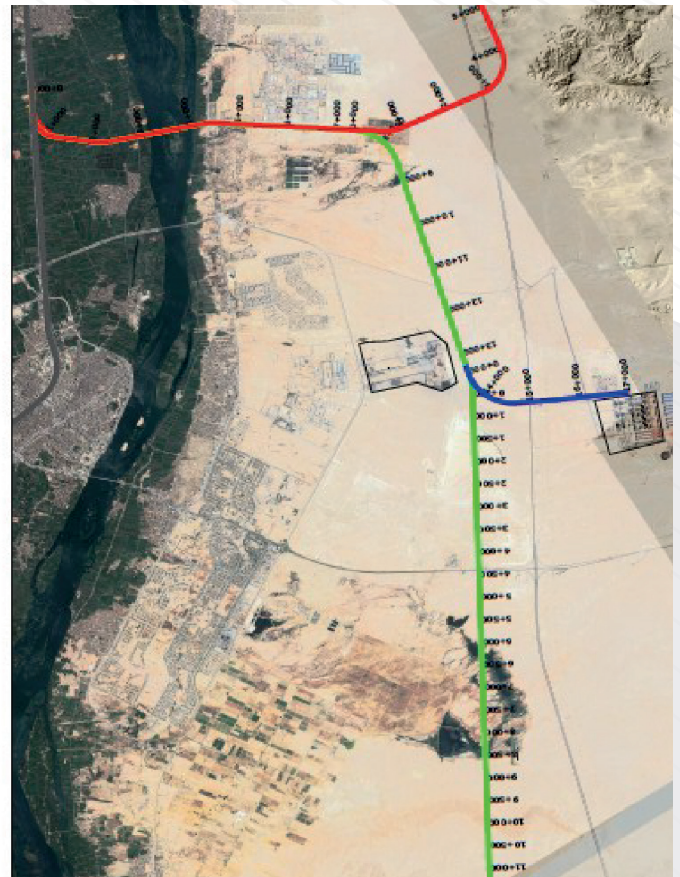
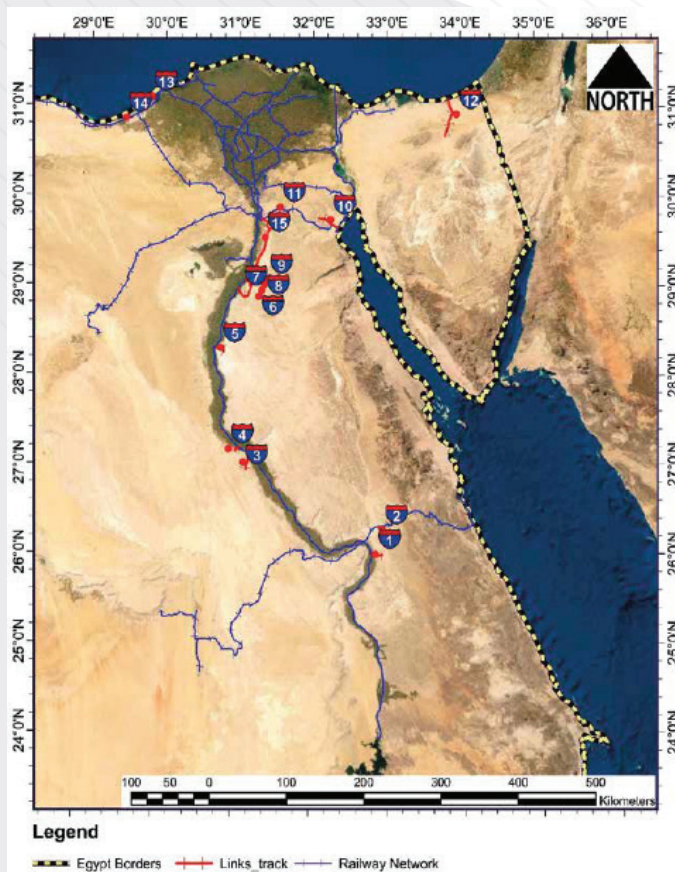


Feasibility Study of Linking Cement Factories to the Railway Network to Transport Raw Materials to Factories and Surplus Production to Export Ports Especially African Countries Project

Project Brief: Establishing railway joints capable of transporting 5 million tons of cement / clinker to export ports and expanding the transport of coal by railway

Client: Ministry of Transportation.

Location: Egypt.

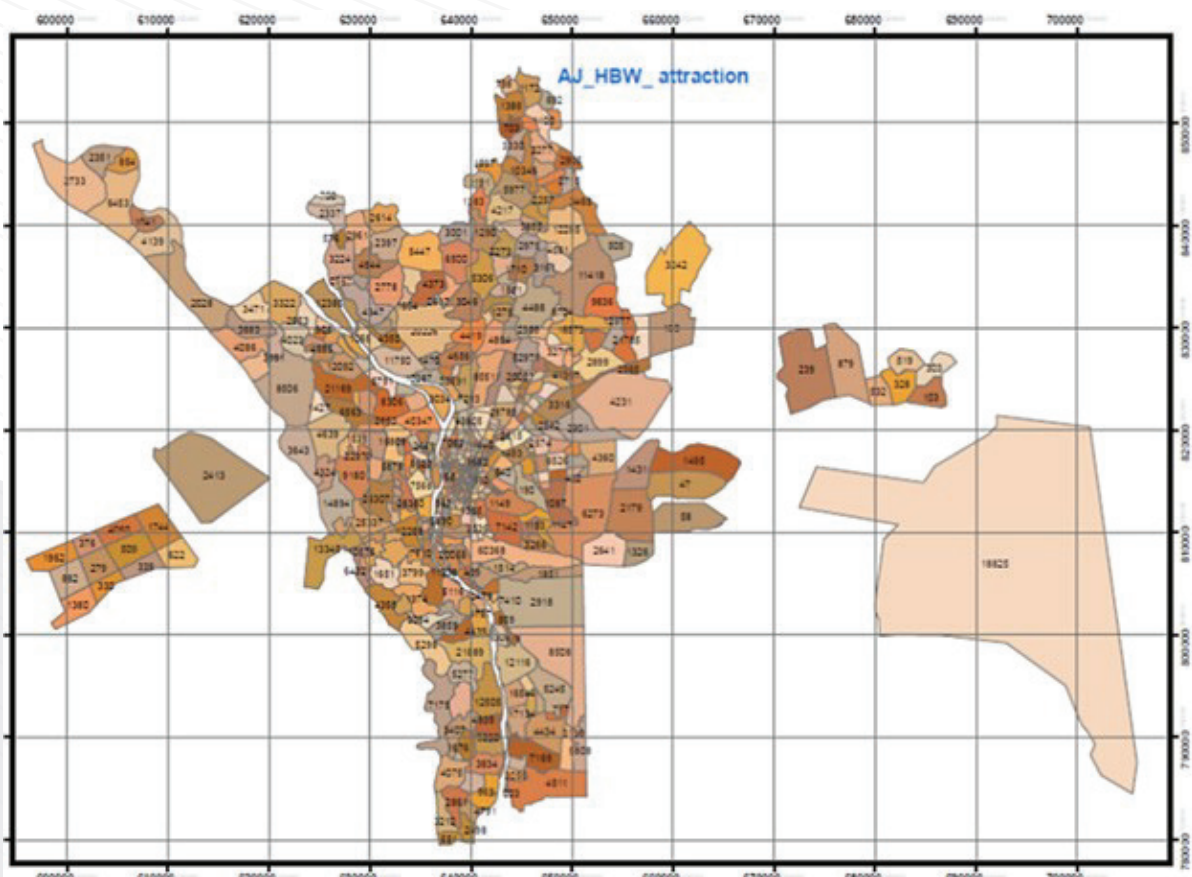


Project: Feasibility Study for Establishing of Public transport Company (Urban Transport - Intercity Transport - Complementary Services)

Project details: Implementing a technical, financial and economic feasibility study for the establishment of Public transport company for urban, intercity transport services and complementary activities country wide- capable of providing distinguished services and with an appropriate tariff to be one of the elements of support and development of the Public transport system country wide.

Client: General Authority for Planning Transport Projects - Ministry of Transport.

Location: Egypt.



Rehabilitation Study of Al-Fardan Railway Line/ Bir Al-Abed Through the Economic Zone of the Suez Canal and Extending the Line to Al-Arish then Rafah to Taba Project

Project Brief: Rehabilitation of Al-Fardan railway line starting from Bir Al-Abed passing through the economic zone of the Suez Canal, and extending the line to El-Arish then Rafah to Taba. Single line to transport passengers, goods and containers. Approximate length is 587 km.

Client: Ministry of Transportation.

Location: Sinai, Egypt.



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1-2

**Highway and Transportaion
Engineering
(Project supervision
and management)**

Project: Supervision of Operation, Maintenance and Cleaning Contracts for Riyadh Province

Roads

Project Details: Supervision of regular and preventive maintenance works for roads, bridges, tunnels, drainage, lighting and traffic safety. Work covered roads under the Ministry of Transportation administration within Riyadh province.

Client: Ministry of Transport.

Location: Riyadh Province - Kingdom of Saudi Arabia.

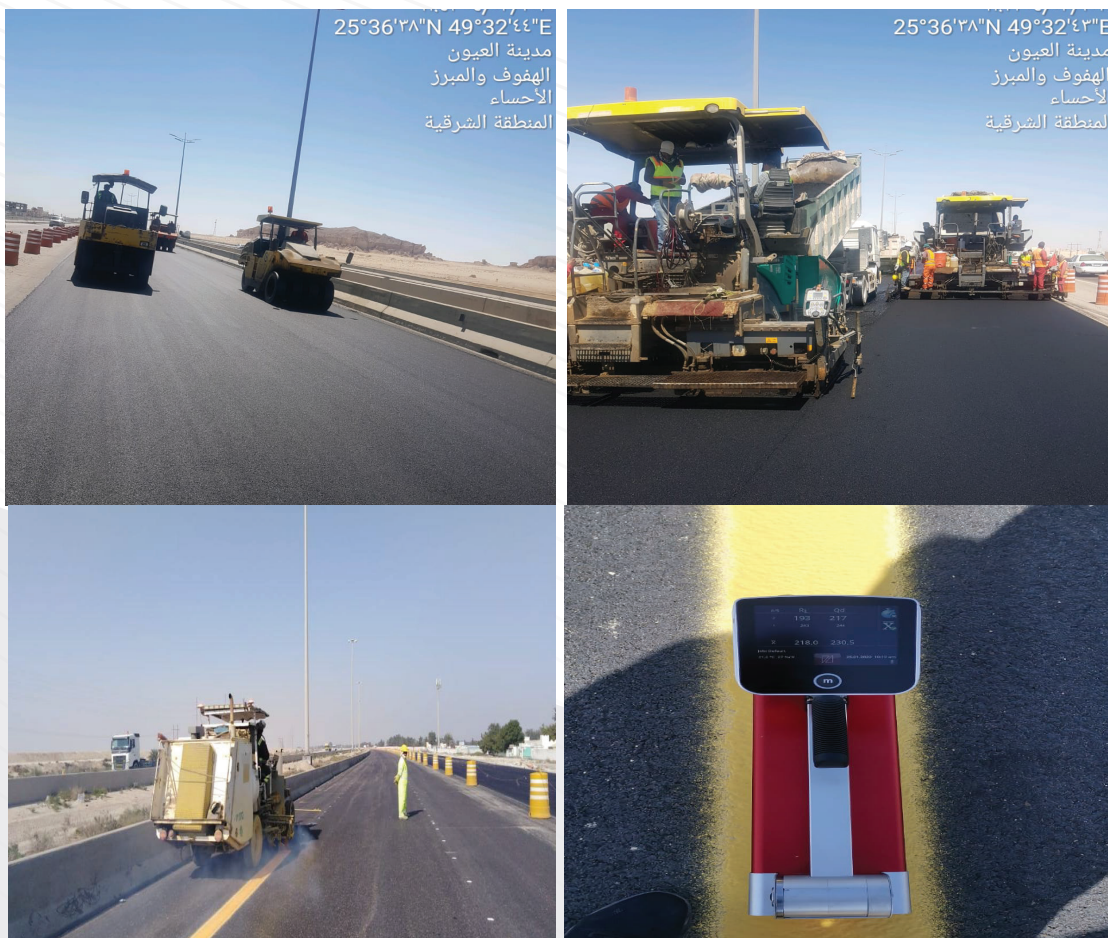


Project: Supervision of Operation, Maintenance and Cleaning Contracts for Eastern Province Roads

Project Details: Supervision of regular and preventive maintenance works for roads, bridges, tunnels, drainage, lighting and traffic safety. Work covered roads under the Ministry of Transportation administration within Eastern province.

Client: Ministry of Transport.

Location: The Eastern Province - Kingdom of Saudi Arabia.



Project: Supervision of Operation, Maintenance and Cleaning Contracts for Makkah Province Roads

Project Details: Supervision of regular and preventive maintenance works for roads, bridges, tunnels, drainage, lighting and traffic safety. Work covered roads under the Ministry of Transportation administration within Makkah province.

Client: Ministry of Transport.

Location: Makkah Province - Kingdom of Saudi Arabia.



Project: Supervision of Operation, Maintenance and Cleaning Contracts for Asir Province Roads

Project Details: Supervision of regular and preventive maintenance works for roads, bridges, tunnels, drainage, lighting and traffic safety. Work covered roads under the Ministry of Transportation administration within Asir province.

Client: Ministry of Transport.

Location: Asir Province - Kingdom of Saudi Arabia.



Project: Supervision of Operation, Maintenance and Cleaning Contracts for Jizan Province Roads

Project Details: Supervision of regular and preventive maintenance works for roads, bridges, tunnels, drainage, lighting and traffic safety. Work covered roads under the Ministry of Transportation administration within Jizab province.

Client: Ministry of Transport.

Location: Jizan Province- Kingdom of Saudi Arabia.



Project: Management and Construction Supervision of Road Connection Between Al-Baha region and Riyadh-Raien-Bisha Road.

Project Details: Project management & construction supervision of road connection, bridges, tunnels, drainage system, lighting works, and traffic safety. Work included performing hydrological studies.

Client: Ministry of Transport.

Location: Al-Baha - Kingdom of Saudi Arabia



Red Sea Road - Safaga Sector 122 km Project

Project Brief: Scope of work included the project planning, preparation of field studies, safety studies, quality control planning and supervision, periodic reports, and complementary procedures.

Description: Engineering consultancy and implementation follow-up, including: preparation of field studies, follow-up of work implementation and testing, contractor performance evaluation, industrial works, periodic complementary procedures, and safety studies.

Client: Ministry of Transportation.

Location: Egypt.



Implementation of the Ring Road Phase E (Part I) with a Length of 5.5 km Project

Project Brief: The project starts from Qalyubia drain to the borders between Qalyubia and Sharqia governorates and has a length of about 5.5 km and it includes: 5.5 km highway, six tunnels, thirty-four packages of pipes (diameter from 80 cm to 2 m), road safety elements (New Jersey barriers, road signs), road works, toll station, four gas stations, service area, and administration buildings.

Provided Services: Project management, client representation, project planning, budget setting, necessary resources definition, and sub-contractors selection.

Client: Ministry of Military Production.

Location: Egypt.

Scope of work: - Representing the National Authority for Military Production as the main contractor in all project activities and meetings.

- Evaluating the subcontractors and selecting the best among them for the main contractor's interest in coordination with them.
- Designing all project elements.
- Managing and leading the project team.
- Solving multi-functional issues at the project level.
- Submitting reports to the owner.
- Playing a key role in project planning and budgeting and identifying the necessary resources.
- Making sure that the implementation of activities moves according to a predetermined schedule holding periodic meetings with all sub-teams.
- Effective communication and coordination with all parties involved in the project which include designers, consultants, and subcontractors.



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1-3

Road Asset Management

Road Asset Management Department:

The services of this department extend beyond the stages of feasibility studies, design, marketing, presentation, implementation, supervision, operation, and maintenance to develop the system management and to optimize the use of assets and achieving fruitful integration with development plans at the country level.

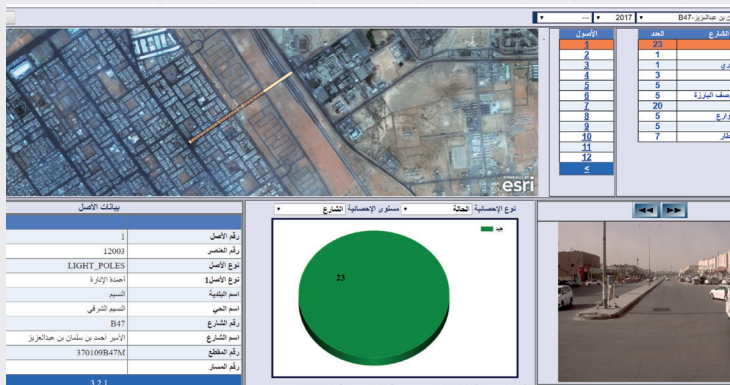
Study / Evaluation of Roads, Development and Operation of the Road Assets Management System in the City of Riyadh Project

Project Brief: - Developing the latest automatic inspection and maintenance management systems.

- Developing methodologies for structuring and documenting assets.
- Developing scientific methodologies and evaluating the performance of the assets of roads, bridges, and airports.
- Developing performance prediction models and applying maintenance practices.
- Setting priorities and supervising the required maintenance and rehabilitation of road networks and airports and their budgets.
- Developing methodologies for determining maintenance and rehabilitation requirements and priorities of the maintenance program.
- Evaluation of materials and methods of maintenance.
- Developing roads, bridges, and airports maintenance systems integrated with the geographic information system, operating, and maintaining road and airport assets maintenance systems.

Client: Riyadh Municipality.

Location: Kingdom of Saudi Arabia.



Network in Jeddah Municipality Project

Project Detail: Pavement assessment for about 7000 km, paving system development, operating the system, and maintaining PMS system

Client: Jeddah Municipality.

Location: Kingdom of Saudi Arabia



Project: Makkah Al-Mukarramah Bridges Maintenance Management System (BMS) Engineering.

Project details: Developed maintenance management system & automatic inspection of bridges, The BMS is integrated with geographic information systems(GIS) capabilities. Developed methodologies for structural identification and archiving of assets. Developed scientific methodologies and process for bridges performance assessment. Developed performance prediction models and implemented state of practice maintenance practices. Setting priorities, budgeting and supervision of construction for bridges maintenance and rehabilitation. Developed methodologies for determining maintenance/rehabilitation requirements and maintenance plan priorities. Evaluation of materials and maintenance methods.

Client: Ministry of Municipal and Rural Affairs.

Location: Kingdom of Saudi Arabia.



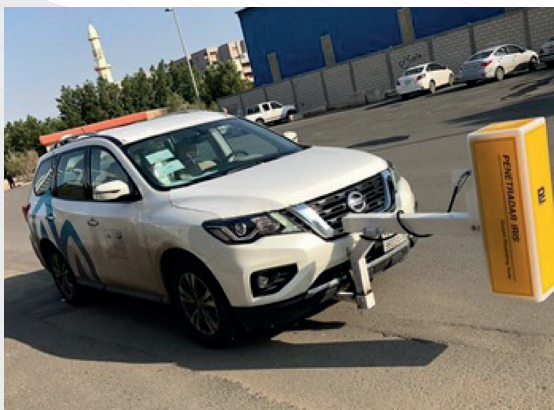
Roads and Operation of the Road Asset Maintenance Management System Project

Project Brief:

- Developing the latest automatic inspection and maintenance management systems.
- Developing methodologies for structuring and documenting assets.
- Developing scientific methodologies and evaluating the performance of the assets of roads, bridges, and airports.
- Developing performance prediction models and applying maintenance practices.
- Setting priorities and supervising the required maintenance and rehabilitation of road networks and airports and their budgets.
- Developing methodologies for determining maintenance and rehabilitation requirements and setting priorities for the maintenance program.
- Evaluation of materials and methods of maintenance.
- Developing roads, bridges, and airports maintenance systems integrated with the geographic information system, operating, and maintaining road and airport assets maintenance systems.

Client: Jeddah Municipality.

Location: Kingdom of Saudi Arabia



Project: Roads Condition Assessment/Study and Development/Operation of Pavement Maintenance Management System (PMMS) for governorates of Riyadh Municipality.

Project Details: Implementing state of practice unified scientific/practical mechanism for roads maintenance management system. Identification of road network maintenance needs by defining the maintenance priorities for municipalities and the required budgets in a practical and accurate way.

Client: The Municipality Agency of Riyadh Municipalities Affairs.

Location: The governorates affiliated to the Riyadh Municipality (with a total of 22 governorates).



Study / Evaluation of Roads, Development and Operation of the Road Assets Management System in the City of Riyadh Project

Project Brief: - Developing the latest automatic inspection and maintenance management systems.

- Developing methodologies for structuring and documenting assets.
- Developing scientific methodologies and evaluating the performance of the assets of roads, bridges, and airports.
- Developing performance prediction models and applying maintenance practices.
- Setting priorities and supervising the required maintenance and rehabilitation of road networks and airports and their budgets.
- Developing methodologies for determining maintenance and rehabilitation requirements and priorities of the maintenance program.
- Evaluation of materials and methods of maintenance.
- Developing roads, bridges, and airports maintenance systems integrated with the geographic information system, operating, and maintaining road and airport assets maintenance systems.

Client: Riyadh Municipality.

Location: Kingdom of Saudi Arabia.





2

Urban Development Design and Planning

Urban Development, Design, and Planning

The departments of urban planning, architectural design, and construction are among the main consulting services provided by Namaa, starting from the master plan and making of the digital models to shop drawings and supervising the construction works.

Sustainable development is the primary concern of Namaa's team with regard to urban development. The master plan establishes a connection between buildings, their social frameworks, and their surrounding environments. The master plan includes analysis, recommendations, and suggestions for the site's population, economy, housing, transportation, community facilities, and land use. It is based on the general inputs, surveys, existing planning, and development initiatives as well as physical characteristics and socio-economic conditions.

Neom logistic park upgrade

Project Tasks:

- Preparing the hardscape and softscape drawings.
- Preparing the architectural drawings of the existing buildings.
- Preparing the design, detailed and Shop drawings documents.

Client: NEOM.

Location: Saudi Arabia.



Organizing facades and building signages of main roads in Riyadh City

Project Brief

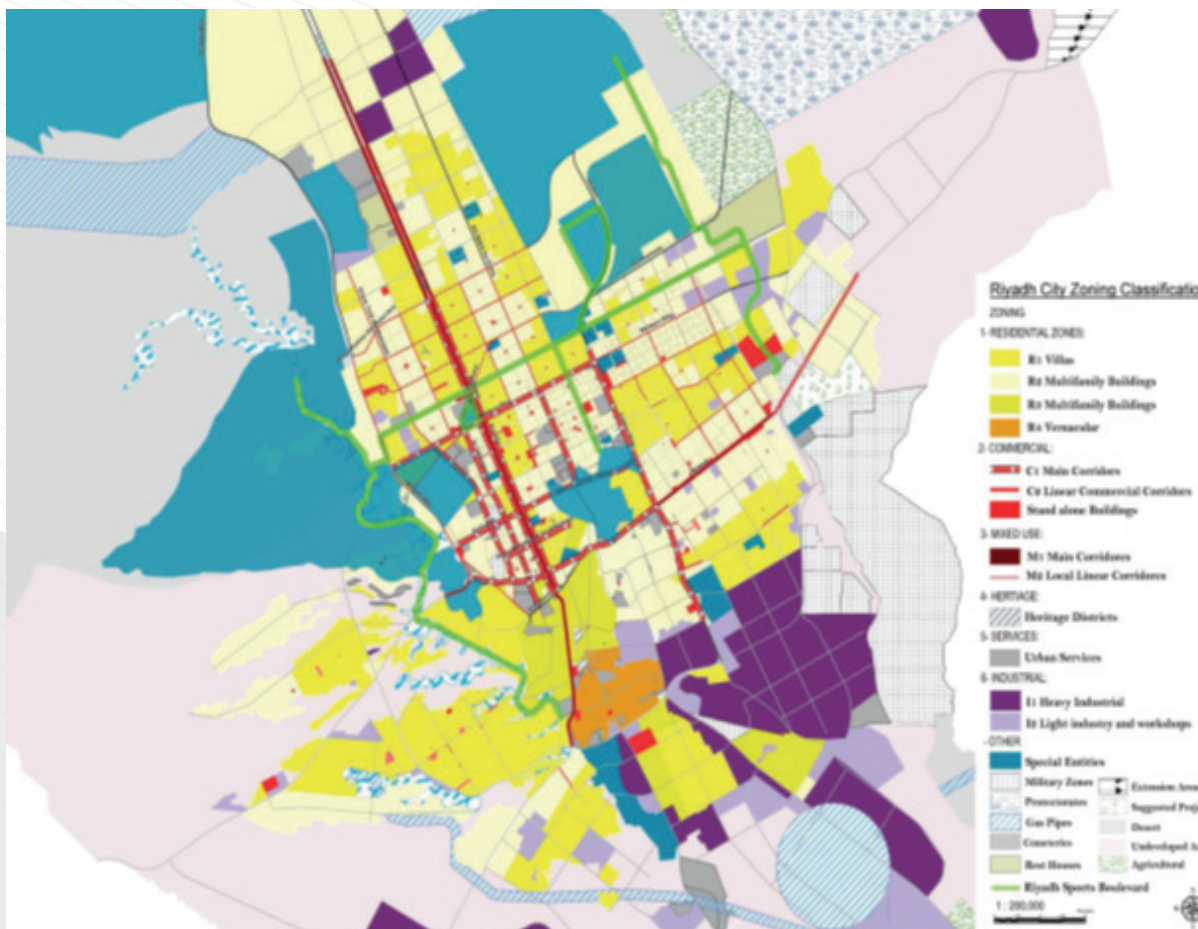
Preparing a guideline for organizing and installation of advertising signages

Survey of the current situation

Improving the advertising billboards of main roads by mobile mapping and 3D laser scan

Client: Ministry of municipal affairs - Amana of Riyadh.

Location: Riyadh city.



King Khaled University Project

Project Brief: The scope of work included the preparation of detailed shop drawings for all works at the highest standards.

Client: Zohair Fayez Group

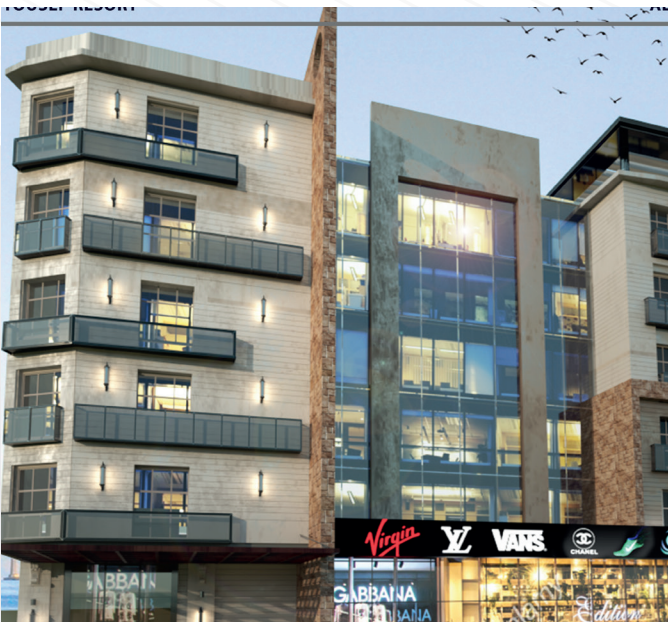
Location: Abha, Kingdom of Saudi Arabia



Hurghada Resort Project Initiative

Project Brief: The project includes the concept design of a hotel tourist resort overlooking the Red Sea. It includes the design of the general site, the basement, the ground floor, and four floors.

Location: Hurghada, Egypt



Long Beach Resort Project

Project Brief: The scope of work covered the development of Master plan development proposals. The prepared Master Land Use Plan and Implementation Strategy included the recommendation of the long-range plan for conservation and development.

Client: Egyptian Arab Land Bank

Location: Ain Sokhna, Egypt

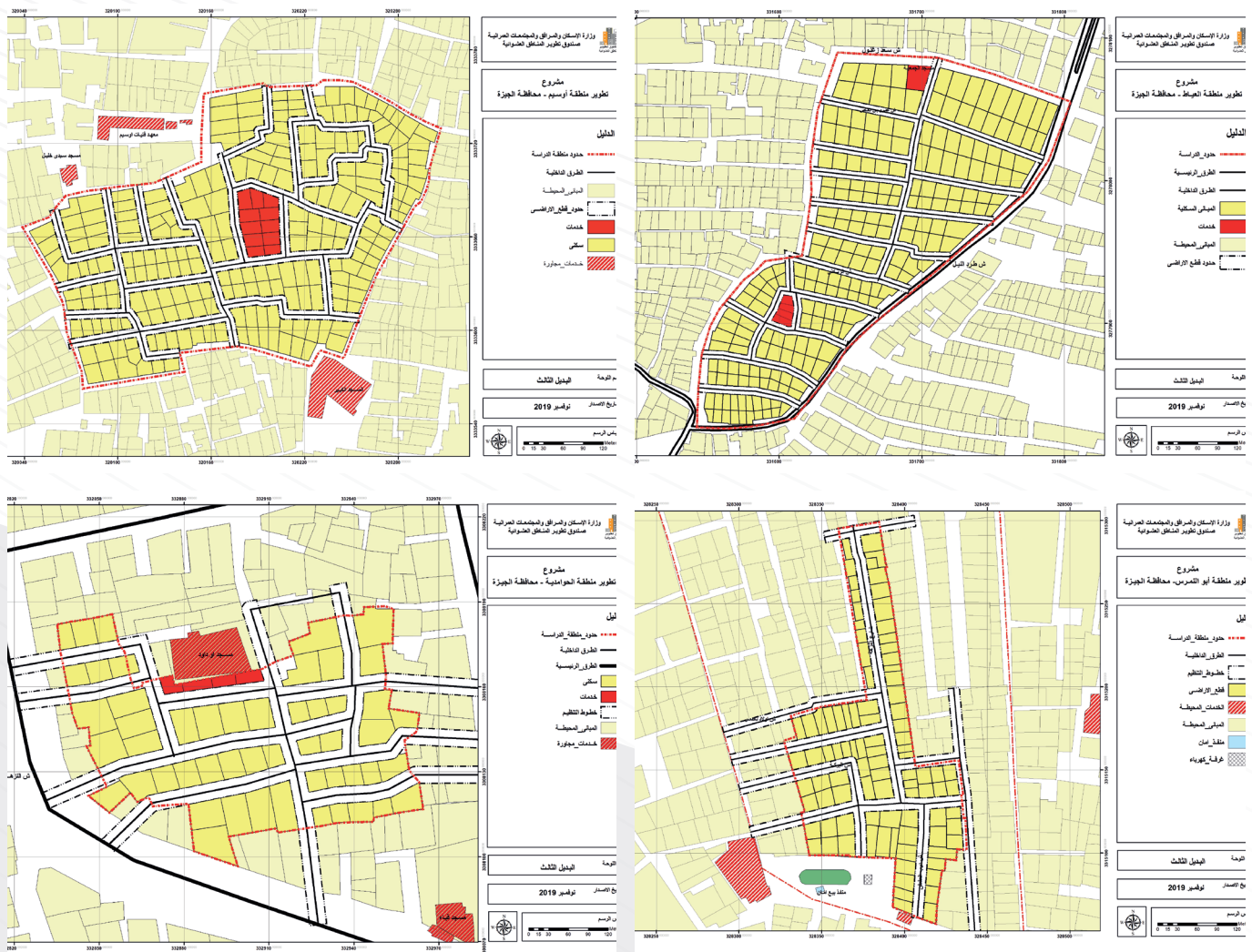


Informal Settlement Development Project

Project Brief: The project main idea depends on developing the degraded areas in the heart of the city by improving the movement of the network and the required spaces to allow easy transportation, and to provide a healthy environment suitable for ventilation and insolation. The design relied on regulation lines that allow setbacks from both sides of the street.

Client: ISDF - Informal Settlements Development Fund

Location: Giza, Egypt



Neighborhood Service Centers Project

Project Brief: The project is an urban design for some of the neighborhoods service centers, where the main design concept is to encourage pedestrian movement to get to the educational, health, religious, and recreational services. In this design, the vehicular access was provided through external axes only, so the traffic and pedestrian movement are separated. The project visual studies emphasize the creation of a distinctive landmark related to the main visual node which was considered as the project's main public spaces node.

Client: New Urban Communities Authority

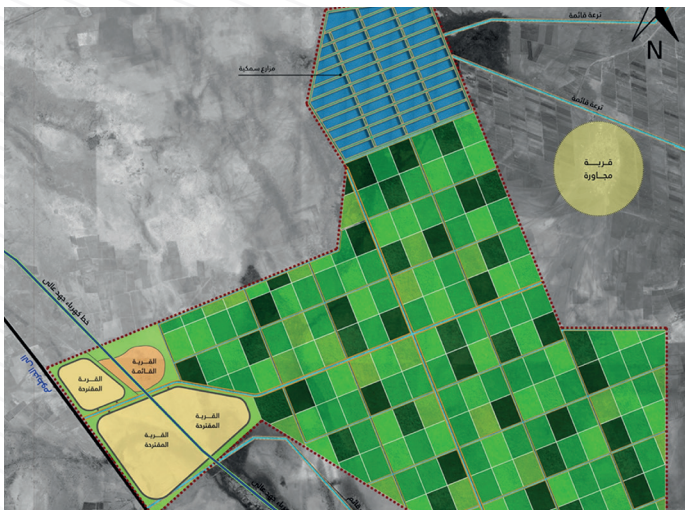
Location: 6th of October City, Egypt



Agricultural Village Project in the White Nile State

Project Brief: The project is an agricultural village with an area of about eleven thousand acres. Of which, one thousand acres was an urban village, and the rest is agricultural lands subdivided into units of 10 acres each. These agricultural plots are served by hierarchal combinations of movement and canals networks. All educational, health, and religious services, in addition to warehouses, are provided in the urban village which is considered the place of residence.

Location: Sudan



Al Gamarek Sports Club Project

Project Brief: Architecture and landscape of the project to utilize the best use of all available spaces. Through the use of these spaces, a set of attractive visual configurations was created whether as family sitting areas, children's play areas, main plaza, or complementary spaces for the restaurant and cafeteria area. Through the landscape architecture, it was emphasized to create a rich and detailed visual image

Client: Ministry of Finance.

Location: Cairo, Egypt

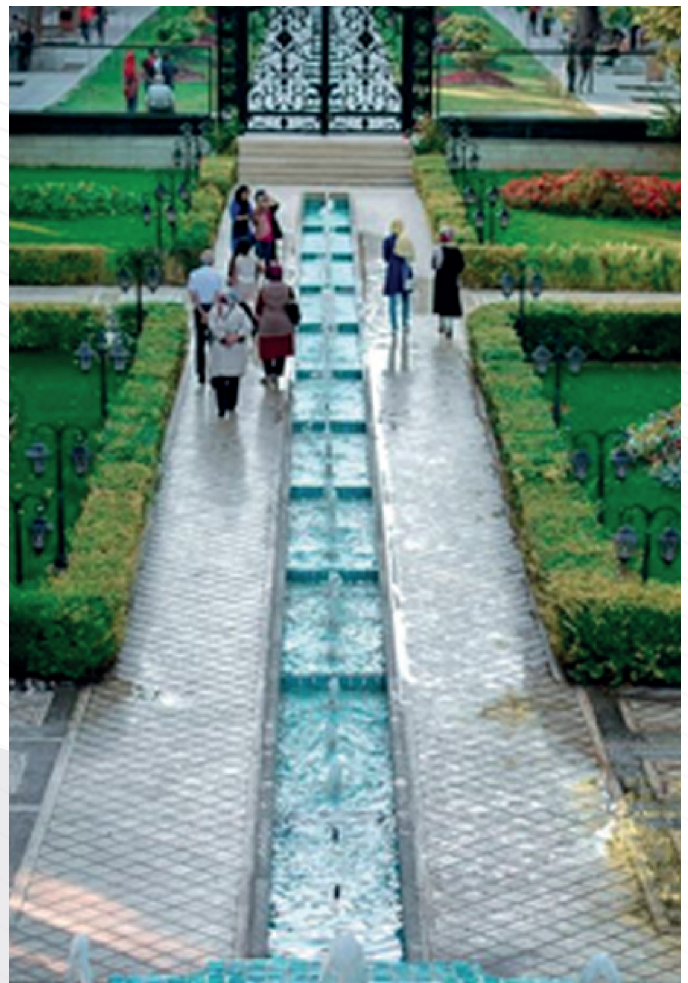


Almontazah Triangle Project

Project Brief: The project included the development of a conceptual design layouts. The conceptual design depends on the establishment of a commercial center that has a main assembly plaza in the open air, which provides places for gathering and seating. In the main plaza, there is a water pool used as an attraction point for pedestrians. A main pedestrian axis penetrates the project to connect the entrance, the principal square, and the main building.

Client: A group of Investors

Location: Alexandria, Egypt



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3

Architecture and Construction Engineering

Architecture Engineering Department

The department role is to plan creative and innovative building design solutions for our clients. This often involves master planning and project management, as well as design. So, the architectural engineering services that we provide respond to the needs and aspirations of our clients and communities. We give form and meaning to rooms, buildings, landscapes, and cities. We always balance internal jobs with the external demands of the site, climate, and culture.

Interior Design Department

We work comprehensively with our clients to achieve and deliver high quality modern designs. Creating images of fully developed design concepts all the way to architectural execution backed by a high level of personal participation of the design team to ensure that our clients' goals are achieved. Our designs focus for the benefits to all stakeholders: owners, developers, operators, and local communities.

Structural Engineering Department

The department consists of highly qualified and experienced civil engineers and consultants in the structural engineering specialization.

The company's structural department aims to meet the requirements of the architectural design using various modern and advanced structural systems in the structural design. Also, using the latest structural programs to keep pace with the evolution and modern challenges of the different architectural styles. The department is characterized by having accuracy in creating and revising the different engineering drawings. Also, it is characterized by rehabilitating the existing facilities using the necessary laboratory and field tests and ensuring the safety of all structural elements.

The structural department has carried out many different important and national structural projects such as (high-rise buildings - mixed-use buildings - treatment stations - reservoirs of all kinds).

Project: New Social Housing, North of Hadayek

.October, 1185 Unit

Project Details: Construction supervision for 1158 unit and accompanying services areas including parks, playgrounds, mosques. Each unit consists of ground and five stories with 4 super luxurious fully finished apartments.

Client: New Urban Communities Authority

Location: 6th of October City, Egypt



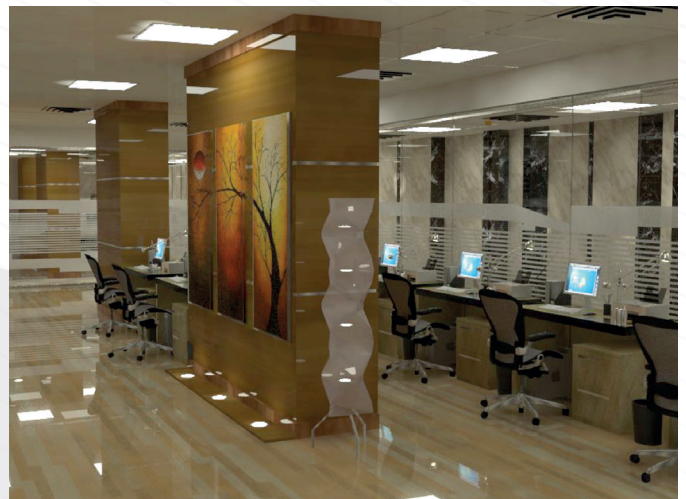
Egyptian Arab Land Bank Headquarters

Development Project

Project Brief: Reports were made for the validity, restoration, and supervision of implementation in the bank's branch in El Shorouk city with the aim of transforming it into the main information center of the bank which requires placing a large and different weight equipment and winches at the first floor.

Client: Egyptian Arab Land Bank

Location: Egypt





4

Water and Environment Engineering

Water and Wastewater Department

Our team has experience in master plans and the design of water and wastewater networks including treatment plants, lifting stations, forcemain, irrigation tanks, elevated water tanks, and pump stations.

Storms and Floods Protection Department

Global climate change poses a growing threat to engineering project infrastructure. This to help our clients build a robust and long-lasting infrastructure that responds well to extreme weather events and that is prepared for the effects of climate change without noticeable change in costs.

Project: Construction Supervision of all major infrastructure networks for H-A construction Zone in the New Alamein City.

Project Details: Consultation services for construction supervision of all major infrastructure (roads, water/wastewater, drainage, Hydrology, irrigation networks) of a 2,300 acres area south of coastal road, east of the C-19, at H-A Construction zone in the new Alamein city.

Client: New Urban Communities Authority.

Location: Egypt.



Project: Residential Plots of Riyadh City

Project Details: Design Review and Supervision of Construction of private housing, water/wastewater, electricity, hydrology, drainage, irrigation network and road works.
65 residential plots have been completed in Riyadh

Client: Riyadh Municipality

Location: Riyadh city



Project: Construction Supervision of all major infrastructure networks and main irrigation reservoirs station in the new administrative capital east of the region road.

Project Details: Construction Supervision of all major infrastructure networks of Roads north of residential neighborhoods, connection roads and roads at east and west of embassies zones (R3, R2 & R1) in the new administrative capital. In addition to supervision of construction for the main irrigation reservoirs station of 100 thousand cubic meters irrigation tanks (5 tanks each of capacity 20000 m3) and all related works (Inlets/Outlets pipelines network, service units, ...etc).

Client: New administrative capital.

Location: Egypt.



Project: Construction Supervision of all major infrastructure networks for Sharkaty site (R-O-United Trade Muhammad Abdulwahab)

Project Details: Consultation services for construction supervision of all major infrastructure (roads, water/wastewater, drainage, Hydrology, irrigation networks) of 2,500 acres south of coastal road and east of the C-19. Sharkaty site (R-O-United Trade Muhammad Abdulwahab) in the new city of Alamein.

Client: New Urban Communities Authority.

Location: Egypt.



Project: Construction Supervision of main irrigation line and irrigation tank east of Regional Ring Road in the New Administrative Capital.

Project Details: Construction Supervision of 1500mm diameter irrigation line, 15000m length pre-stressed concrete pipes, Concrete valve chambers, valves and special parts, elbow bumpers, leveling of the areas on Route 36, Route 106 and Part of 105 until entry to reservoirs.

Client: New administrative capital.

Location: Egypt.





5

Investment and Asset Managment

Investment and Asset Management

The methodology of working within the investment and asset management department is based on a good understanding of the clients' needs and adapting the latest tools and techniques to make the most of the profit. The services include feasibility, design, offering, award, implementation, supervision, operation, and maintenance up to the development of a management system and assets improvement, and achieving fruitful integration with development plans at the level of studies' services at the country level. The department is also specialized in supervising the development of the organization's internal strategic plans.

Asset Management

The services of this department extend beyond the stages of feasibility studies, design, marketing, presentation, implementation, supervision, operation, and maintenance to develop the system management and to optimize the use of assets and achieving fruitful integration with development plans at the country level.

Investment and Strategic Planning:

We provide services on integrated business which includes many engineering, administrative, and social disciplines. We provide support for marketing and information technology activities allowing for the development of the business environment. The methodology of working within the department is based on a good understanding of the clients' needs and adapting the latest tools and techniques to make the most of the available resources and profit. Services include feasibility studies, design, offering, award, implementation, supervision, operation, and maintenance to develop the management system, improve assets, and achieve fruitful integration with development plans at the level of studies services at the country level. The department is also specialized in supervising the development of the organization's internal strategic plans.

Asset Management System and Investment Development Project

Project Brief: Geographical information systems data collection and digitization, design and construction of geographical information systems, site survey, engineering and social studies, marketing studies, analysis of project outputs, writing reports and recommendations.

Client: Egyptian Company for Asset Management and Investment

Location: Egypt



Study/Evaluation of Roads and Operation of the Road Asset Maintenance Management System Project

Project Brief:

- Developing the latest automatic inspection and maintenance management systems.
- Developing methodologies for structuring and documenting assets.
- Developing scientific methodologies and evaluating the performance of the assets of roads, bridges, and airports.
- Developing performance prediction models and applying maintenance practices.
- Setting priorities and supervising the required maintenance and rehabilitation of road networks and airports and their budgets.
- Developing methodologies for determining maintenance and rehabilitation requirements and setting priorities for the maintenance program.
- Evaluation of materials and methods of maintenance.
- Developing roads, bridges, and airports maintenance systems integrated with the geographic information system, operating, and maintaining road and airport assets maintenance systems.

Client: Jeddah Municipality.

Location: Kingdom of Saudi Arabia



Regulation and Follow-up Study on the Banks› Headquarters, ATMs and Telecommunications Companies in Riyadh Project

Project Brief:- A field inventory of the ATMs, banks and their branches, and telecommunications companies.

- Requesting licenses for ATMs, banks, and telecommunications companies.

Client: Riyadh Municipality.

Location: Kingdom of Saudi Arabia.



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6

Electromechanical Engineering

The extensive experience and high technical engineering represent the fundamental basis to serve all of our design activities for our clients in the best possible way, and many of our projects come from our former clients as a result of which we have gained trust.

Namaa has implemented several projects in the infrastructure sector, commercial and residential buildings, educational and industrial projects, health care, and private enterprises, where it has been keen to achieve the highest levels of quality and safety in its projects. Project managers, executives, professional engineers, mechanical, and electrical staff are an essential component and the title of our achieved successes. We are always keen to strengthen the expertise of the technical engineering staff and cadres by providing necessary specialized training courses that offer the latest and best engineering software.

Namaa has the best technical tools for producing the necessary documents needed for projects. Today, Namaa is on the verge of a new phase on the evolutionary ladder, where its rapid growth in the energy sector adds to their fields of work; covering energy transmission and distribution for conventional and renewable energy sources.

In general, our MEP services include the design, engineering, and supervision of electricity, ADACS systems, communications infrastructure, and the electric current systems.

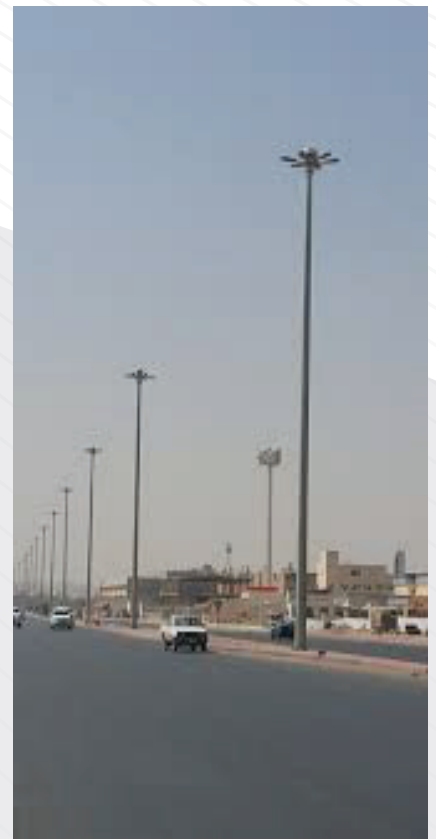
Supervision of Street Lighting Maintenance

Projects, Western Region - Riyadh city

Project Details: Supervision of maintenance works for street lighting network, following up on Contractors' commitment to maintenance schedule for all network components including poles, searchlights, transformers, main and sub panels. In addition to Contractors Response time for emergency calls and implementation of emergency plans specifically in wet seasons.

Client: Riyadh Municipality.

Location: West of Riyadh, - Kingdom of Saudi Arabia



Supervision of Street Lighting Maintenance

Projects, Eastern Region - Riyadh city

Project Details: Supervision of maintenance works for street lighting network, following up on Contractors' commitment to maintenance schedule for all network components including poles, searchlights, transformers, main and sub panels. In addition to Contractors Response time for emergency calls and implementation of emergency plans specifically in wet seasons.

Client: Riyadh Municipality.

Location: West of Riyadh, - Kingdom of Saudi Arabia



Supervision of Street Lighting Maintenance

.Projects, Ministry of Transport Roads

Project details: Project Details: Supervision of maintenance works for street lighting network for the Ministry of Transport Roads in Riyadh, Makkah, the Eastern Region, Asir, Jizan and Al-Baha. Work included following up on Contractors' commitment to maintenance schedule for all network components including poles, searchlights, transformers, main and sub panels. In addition to Contractors Response time for emergency calls and implementation of emergency plans specifically in wet seasons.

Client: Ministry of Transport

Location: Kingdom of Saudi Arabia



Pedestrian Bridge in front of Jerash Station on Janadriyah Road Project

Project Brief:

- Designing of a pedestrian bridge in front of Jerash Station on Janadriyah Road, north of Riyadh, to reach the best use.
- Studies (technical, economic).

Client: Riyadh Municipality

Location: Riyadh, Kingdom of Saudi Arabia

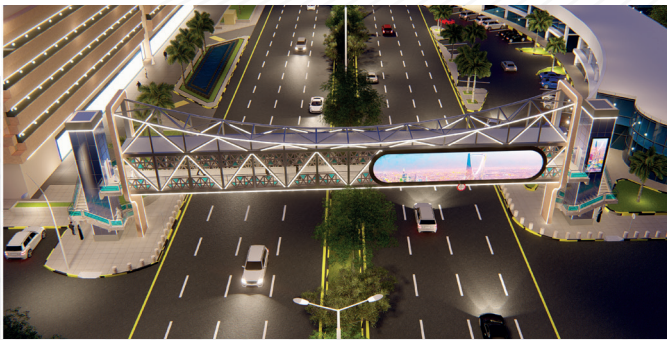


Al-Olayan Office Pedestrian Bridge Project

Project Brief: Designing of a pedestrian bridge to link the Olayan administrative offices to the Park Inn Hotel opposite it and placing advertisements on the bridge to reach the best use and the highest profitability.

Client: Olayan Real Estate Management Company (OREM)

Location: Riyadh, Kingdom of Saudi Arabia



Construction Supervising of the Integrated Automated Slaughterhouse Project

Project Brief:

The slaughterhouse is an ideal model that can be applied in different places throughout the country. The slaughterhouse carries out an integrated process from farming and raising livestock to the final stage of the manufacturing and packaging process. The goal of the project is to deal with 320 cow heads per day from slaughtering, cleaning, preserving, cooling, freezing, packaging, and manufacturing.

Components of the project:

- 1- Building 1 The animal stable
- 2- Building 2 The Slaughterhouse
- 3- Building 3 Refrigerators
- 4- Building 4 Meat processing and freezing
- 5- Building 5 Administrative offices
- 6- Building 6 Disposal of blood and defective animals
- 7- The Bullbeef Factory
- 8- Water tank and fire resistance
- 9- The treatment plant and the septic tank
- 10 - General site work

Client: National Service Projects Organization (NSPO)

Location: Al-Faiyum, Egypt

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7

Laboratories, Quality, Control, and Soil Investigation

The laboratory services include several sections such as:

Soil and Foundation Recommendations Section Road and Asphalt Quality Control Section Cement and Concrete Quality Control Section Chemical Testing Section

Surveying Section

Main branch, Al Haram, Giza Governorate

Branch (1), Fifth Settlement, New Cairo

Branch (2), New Administrative Capital

Branch(3), Ain Sokhna

Branch (4), 10th of Ramadan City

Soil Investigation and Foundation

Recommendations Section

Section tests:

Granular gradation of fine soils using the Hydrometer device.

Determination of the specific gravity and absorption.

Abrasion test of the coarse aggregates using Los Angeles test.

California bearing ratio.

Determination of the liquid limit using the Casagrande device, plastic limit, and soil classification.

Standard soil compaction test (Modified Proctor test).

Soundness test using solutions of sodium sulfate and magnesium sulfate.

Determination of clay lumps and friable particles in aggregates.

Determination of fine plastic particles in graded solids and soils by using the sand equivalent method.

Unconfined compressive strength of cohesive soil.

Tri-axial strength test.

Consolidation test to measure the strengthening properties (compression) in one direction of the soil.

Determination of soil density at site using the sand cone test.

Plate loading of the soil at the site.

California bearing ratio for the different soil layers.

Executing drilling works at the site to a depth of up to 50 meters to prepare soil research reports and foundation recommendations.

Road and Asphalt Quality Control Section

Section tests:

- Asphalt penetration degree.
- Asphalt softening point.
- Asphalt flash and ignition points.
- Asphalt mixture design by Marshall method.
- Asphalt mixture stability and flow determination.
- Asphalt and aggregate gradation percentage determination using extraction test.
- Water effect on asphalt mixtures.
- Asphalt samples using core apparatus.
- Pavement surface roughness measurement.

Cement and Concrete Quality Control Section

Section tests:

- Cement fineness using Blaine device.
- Initial and final setting time using Vicat device.
- Expansion and shrinkage coefficients measurement.
- Working factor of mortar samples using mortar table.
- Cement chemical analysis.
- Slump test.
- Mass density determination test.
- Mix ratio analysis in freshly mixed concrete.
- Concrete mix design.
- Air content determination test in concrete.
- Crushing strength of standard cubes (and cylinders) at different ages.
- Concrete estimated fracture stress using Schmidt hammer.
- Concrete ceilings ductility testing under maximum load.

Phosphate Industries Complex Project

- Ain El Sokhna

Project Brief:

- Quality control works, soil research, and foundation recommendations.
- Conducting soil tests, quality control for concrete and all structural elements, chemical tests.

Client: The National Service Projects and El-Nasr Company for Intermediate Chemicals.

Location: The Arab Company for Urban Development - Egypt

Caesar Bay Project - Ras Al Hekma, North Coast

Project Brief:

- Quality control works, soil research, and foundation recommendations.
- Conducting soil tests, quality control for concrete and all structural elements, chemical tests.

Client: SODIC.

Location: Egypt.



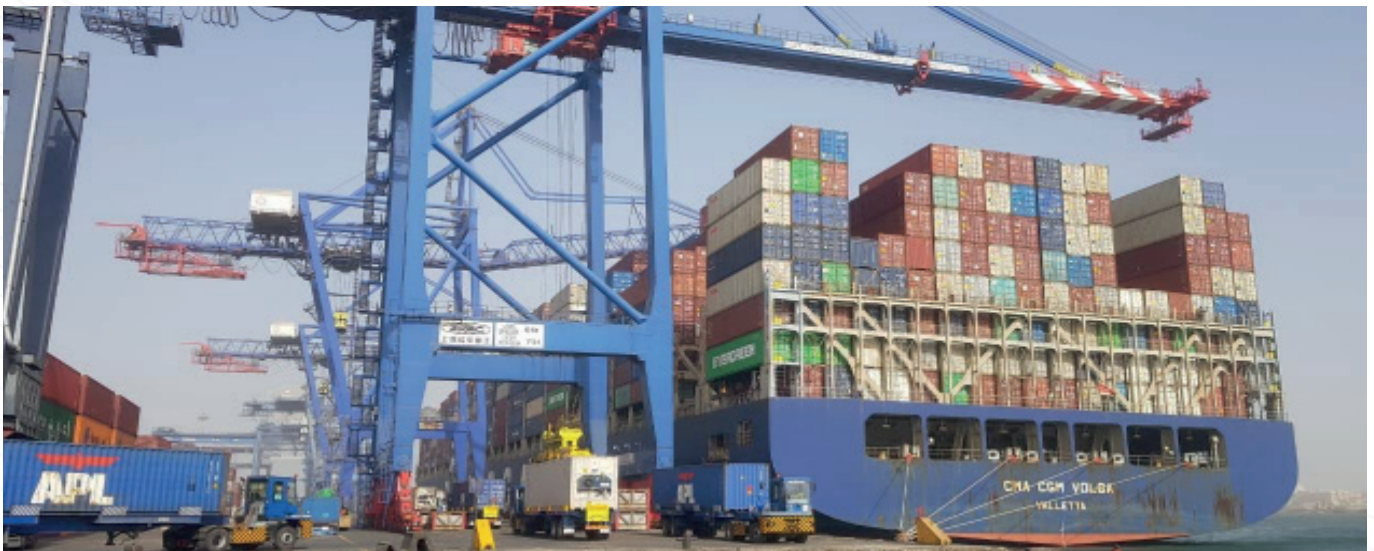
East Branch Port Project Port Said

Project Brief:

- Quality control works, soil research, and foundation recommendations.
- Conducting soil tests, quality control for concrete and all structural elements, chemical tests.

Client: The National Service Projects and El-Nasr Company for Intermediate Chemicals.

Location: The Arab Company for Urban Development - Egypt



Uptown Cairo Compound Project -Al Mokattam

Project Brief:

- Quality control works, soil research, and foundation recommendations.
- Conducting soil tests, quality control for concrete and all structural elements, chemical tests.

Client: Emaar Misr.

Location: Egypt.



Movenpick Hotel Expansions Project - Al Haram

Project Brief:

- Quality control works, soil research, and foundation recommendations.
- Conducting soil tests, quality control for concrete and all structural elements, chemical tests.

Client: Constec Company.

Location: Egypt.



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8

Geographic Information Systems

Geographic Information System technology applies geographic sciences with tools for understanding and cooperation. It helps people reach a common goal: gain practical intelligence from all types of data. situations - helping users make smarter decisions.

Hundreds of thousands of organizations in nearly every field use Geographic Information Systems to map, communicate, carry out analysis, share information, and solve complex problems around the world. This changes the way the world works.

Maps:

Maps are the geographic container for the layers of data and analytics you want to work with. GIS maps can be easily shared and included in applications and can be accessed by almost everyone anywhere.

Data:

Geographic Information System integrates different types of data layers using spatial location. Most of the data have a geographic component. GIS data include images, features, and basemaps that are associated with attribute tables.

Analysis:

Spatial analysis allows you to assess relevance and ability, estimate and predict, interpret and understand, and much more bringing new perspectives to your vision and decision-making.

Applications:

The applications provide focused user experiences to get the work done and add vitality to the Geographic Information Systems for everyone. GIS applications run just about everywhere: on mobile phones, tablets, web browsers, and desktop devices.

Namaa adopts a well-executed implementation methodology, where the main basemaps of the area are initially created according to various drawing standards, then the actual operation of the system starts. The system started receiving various requests to produce objective and detailed maps, reports, and statistics for specialists inside and outside the administration. The database can be expanded according to need and objectives.

Geographical data is represented in several layers, each layer representing a geographical fact, whether it is human or natural. For example, geological maps, road maps, administrative maps, public service, or population distribution maps, and other mappable data. These maps are linked to their relative data through databases that describe these phenomena and represent an explanation of the data up to the level of a piece of land.

The Systems Technology Unit at Namaa Consultant will work on building some applications that help the average user run these maps and benefit from them using an interface in Arabic language without resorting to prior knowledge of complex geographic information systems software to facilitate their use and benefit by others. The data sources in the produced databases depend on remote sensing outputs such as various high-resolution clear satellite images and field surveys carried out by the administration, in addition to the maps prepared for a territory in advance from main sources in the concerned country. Producing these

The general objective of the establishment and development of the Geographic Information System (GIS) is to provide an interactive digital environment for databases, statistics, and information related to all aspects of economic, social, and development life to manage and process its flow, facilitate its saving and retrieval, and facilitate access to it for all governmental and private sectors. And to facilitate the use of future technical applications in carrying out the tasks of all organizational units in the concerned administrations. To achieve this goal, the Systems Technology Unit at Namaa Consultant provides visualization services and work plans for the short and long term, as well as developing and creating the required technical and informational environment through program packages and projects.

One of the most important implementation steps for building comprehensive databases are the development of systems, descriptive and geographic databases, and others. In addition to automating the work, which in turn raises productivity and quality, it provides the necessary information to decision makers with the highest accuracy and in the least possible time.

It became clear that Geographic Information Systems technology has become today the most powerful tool in the most complex planning processes and the best in data providing. Such systems offer great potential to assist in the decision-making process. It is worth noting that the electronic containers are designed to manage and update the databases in a way that is fully compatible with the forms, maps, and paper forms available to the administration. Developed programs and software packages provide the options for producing specific responses, as well as the ability to load data in the field via GPS and project it onto the digital maps of the database to achieve descriptive geographical integration and to facilitate the

Location: Egypt.



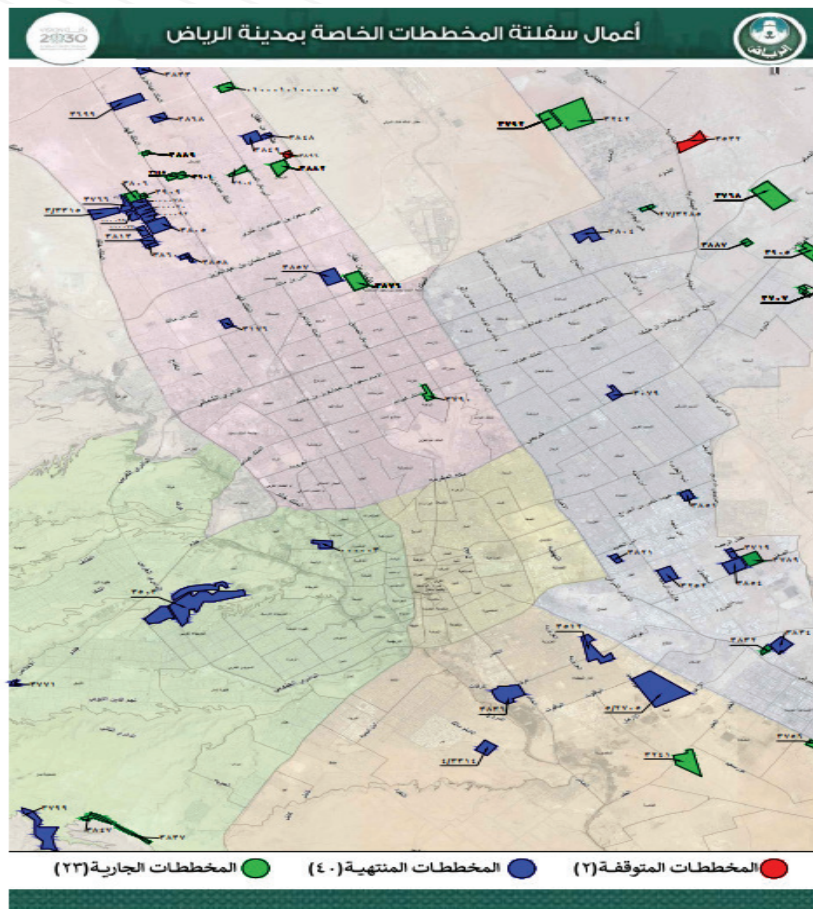
Project: Development of Geographic Information System (GIS) for Riyadh Residential Plots.

Project details:

A geographic information system was developed to cover infrastructure data for residential plots including water/sewerage lines, lighting extensions, flood drainage network, irrigation network extensions, roads, sidewalks and lighting poles coordinates.

Client: Riyadh Municipality

Location: Riyadh - Kingdom of Saudi Arabia



Project: Development of Geographic Information System (GIS) for Riyadh Municipality Road Network

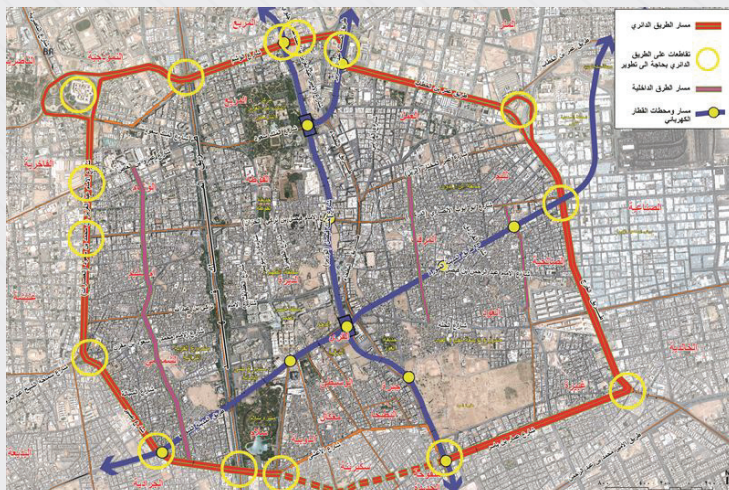
Network

Project Details:

Development & operation of Geographic Information System (GIS) for Riyadh Municipality (City and Affiliated Governorates) road network. Covering updates of newly established main roads and secondary streets, as well as modifications for existing roads and sidewalks.

Client: Riyadh Municipality

Location: Riyadh - Kingdom of Saudi Arabia



Project: Development of Geographic Information System (GIS) for Jeddah Municipality Road Network

Project Details: Development & operation of Geographic Information System (GIS) for Jeddah Municipality road network. Covering updates of newly established main roads and secondary streets, as well as modifications for existing roads and sidewalks.

Client: Jeddah Municipality

Location: Jeddah - Kingdom of Saudi Arabia

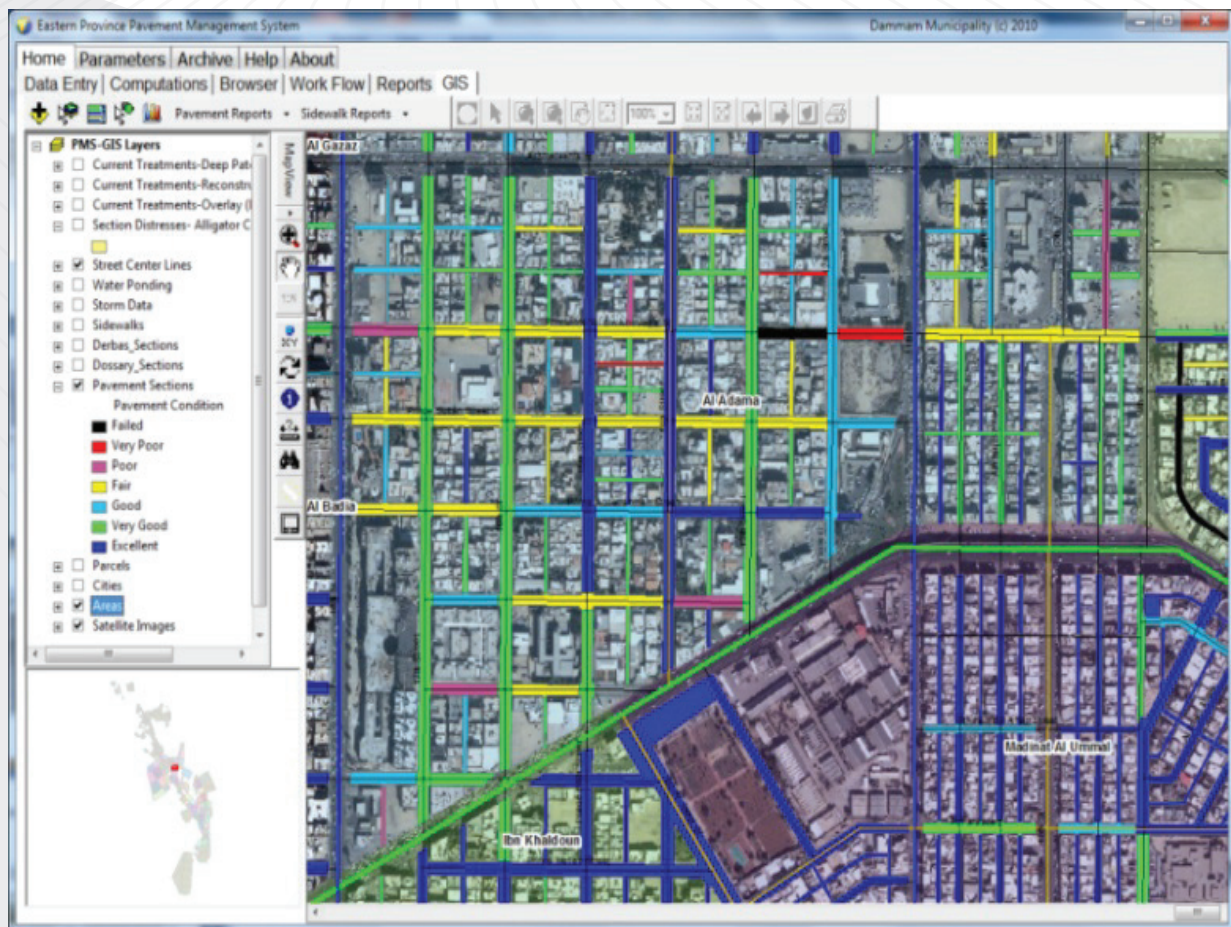


Project: Development of Geographic Information System (GIS) for Eastern Region Municipality Road Network

Project Details: Development & operation of Geographic Information System (GIS) for Eastern Region Municipality road network. Covering updates of newly established main roads and secondary streets, as well as modifications for existing roads and sidewalks.

Client: Eastern Region Municipality

Location: Eastern Region - Kingdom of Saudi Arabia



Project Brief:

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We offer so much to our clients where their needs come first. Clients' needs, expectations, and strategy provide the context for every project we undertake together. Whatever the project's size and wherever our clients need us, we turn their visions and dreams into reality using creative ideas, expertise, and leadership.

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