



إيديكس الدولية للهندسة والمقاولات ش.م.م
EDECS El Dawlia for Engineering & Contracting

COMPANY
PROFILE 2023

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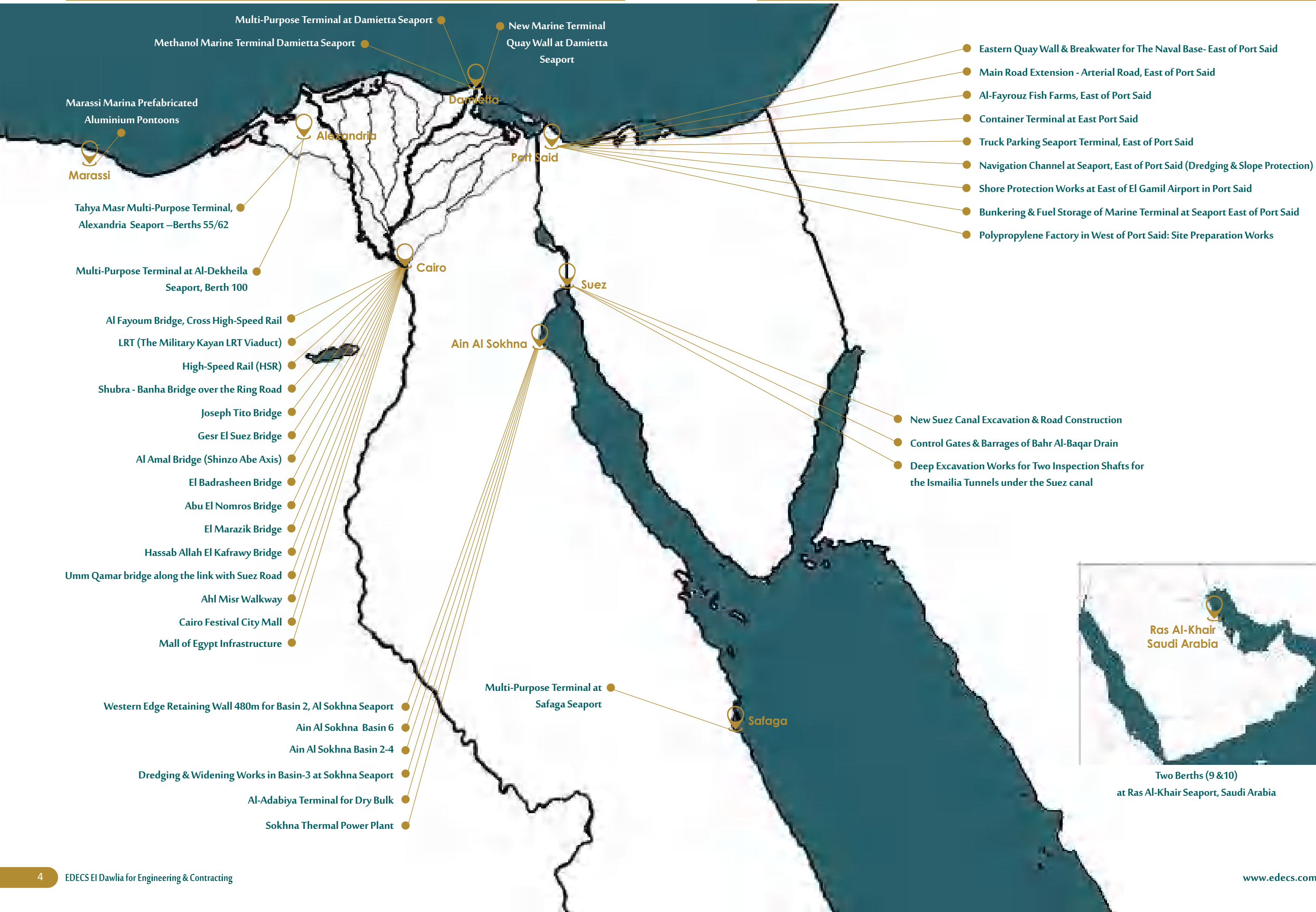
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CHAIRMAN'S STATEMENT

While the heritage of EDECS extends back over 28 years, we are one of the top leading marine construction companies in the region.

We look back with pride and reflect on what had been built across many sectors; marine, railways, roads & bridges, infrastructure, irrigation of water control, and civil works. It has been a very challenging journey, yet extremely fulfilling and rewarding. EDECS's name has swiftly become a synonym for excellence and quality.

We work relentlessly to surpass every passing year's performance, with a laser focus on our valued customers' satisfaction.

We always work on the expansion of our team with brilliant new staff at all levels and all divisions, and everyone supports each other with a great positive attitude.

"The Strength of our Company Relies on the Strength of our Employees".

Kudos to each and every member of the EDECS family, and my personal appreciation to all our partners of success.

We spare no effort to support high-quality learning, ideas, safety, and in-time delivery projects.



Engineer. Hussein El - Dessouky
Chairman & Managing Director

Our Vision

To be the region's leading construction company in marine, railways, bridges & roads, infrastructure, and civil works, delivering value to our clients.

Our Mission

Working closely with our clients to develop creative solutions to meet their challenges is our daily job.

We are committed to providing the highest levels of quality & safety in all aspects of our work while taking care of our employees, communities, and environment.

Our Values



People

Our people are the true assets; we are committed to investing in their capabilities and well-being.



Quality

Our passion is excellence and ensuring a safe & healthy environment for our employees, clients & community.



Agility

We focus on adopting innovative, and flexible solutions to proactively overcome challenges.



Ownership

Honor our promises and strive to build and maintain strong long-term partnerships with our clients.



Integrity

Our ethics rule all our actions and relations.



Excellent Track Record... Continuous Achievements

A Determined Start...

EDECS for Engineering and Contracting was established in 1995 as a general civil engineering construction company focusing on Large Scale Civil Engineering Projects.

Under an ambitious vision for expansion and specialization in the field of marine works, Seaports, and infrastructure works. Since establishing the company, EDECS has continued in this field with expansion in dredging, marine works, roads, bridges, and Irrigation stations. All this was done while regularly investing in possessing the latest and most advanced equipment for excellence in these areas.

Established To Lead...

Over the last 28 years of hard work and success, EDECS has quickly become the go-to company for complex marine projects, not just locally in the Egyptian market but also in the GCC region. Quickly EDECS gained the needed momentum to expand and diversify its portfolio into other construction sectors, namely bridges, railways, roads, infrastructure, irrigation control structures, soil improvement, shore protection and breakwaters, and constructing fish farms.

EDECS is known and trusted by the major clients and international consultants operating in the region, being a licensed grade A contractor.

Excelling Locally... Ensuring Our Place Regionally

Capitalizing on our success in delivering complex and mega projects to governmental and private sector clients with highly recognized performance in terms of quality, safety, time of delivery, and cost, we extended our operations to Saudi Arabia (as an investment company), specializing in infrastructure works. EDECS expansion plans extend further to more countries in the Middle East, Africa, and Gulf states.



Marassi Marina Aluminum floating Pontoon in North Coast

Strengths Are Recognized

EDECS has been prequalified with major clients, professional bodies, and international consultants operating in the region and is fully registered and licensed to work on large-scale projects. EDECS is registered as a Grade 1 construction company with the Egyptian Federation for Construction & Building Contractors. This puts us among the very few companies that are licensed to bid and construct solely or jointly for large-scale projects in our areas of specialization.



Umm Qamar bridge along the link with Suez Road



Joseph Tito Bridge



Construction Berths 9 & 10 - Ras Al-Khair Seaport

Landmark Projects:

Through our branches across Egypt and our branch in Saudi Arabia (Riyadh), our projects teams have been managing our operations and delivering landmark projects. Close daily follow-up and control from our competent management team to ensure that our strict policies and procedures are followed in all aspects of our operations. Below is a sample of our landmark projects:

- Tahya Masr Multi-Purpose Terminal, Alexandria Seaport-Berths 55/62 (Quay Wall)
- Eastern Quay Wall & Breakwater for The Naval Base- East of Port Said
- Multi-Purpose Terminal 680 m at Damietta Seaport
- Control Gates & Barrages of Bahr Al-Baqar Drain (Main Regulators with Automated Sliding Gates for the water Carriage System)
- Ahl Misr Walkway
- Marassi Marina Prefabricated Aluminium Pontoons
- Ras Al-Khair Seaport-Berths (9 & 10), Saudi Arabia
- Al-Fayrouz Fish Farms, East of Port Said
- Construction of many bridges like Joseph Tito Bridge, Shubra-Banha Bridge, Gesr El Suez Bridge, and Al Amal Bridge (Shinzo Abe Axis)

Ongoing Landmark Projects Include

- High-Speed Rail Stations & Embankments incl. 6th October Gardens Station
- Light Rail Transit Station & Viaduct, New Capital
- Ain Al Sokhna Basin 2-4
- Ain Al Sokhna Basin 6
- Multi-Purpose Terminal at Safaga Seaport
- Multi-Purpose Terminal at Al-Dekheila Seaport, Berth 100
- Al Fayoum Bridge, Cross High-Speed Rail
- El Marazik Bridge
- Abu El Nomros Bridge
- Container Area (Yard), Infrastructure at Tahya Masr Multi-Purpose Terminal, Alexandria Seaport
- Buildings at Tahya Masr Multi-Purpose Terminal, Alexandria Seaport
- Western Edge Retaining Wall 480m for Basin 2, Al Sokhna Seaport



Sustainability Policy Statement

At EDECS, we acknowledge our responsibility towards our employees, customers, business partners, community, and future generations. Therefore, we are committed to promoting sustainability through a continuous improvement of corporate governance and minimization of our impact on the natural environment when designing, building, and managing facilities.

We believe that balanced, responsible management of the three recognized pillars of sustainability –social, environmental, and economical is essential to achieving our vision.

EDECS is committed to minimizing business operations'

environmental impacts. In all company's activities, EDECS aims to:

- Comply with, and exceed, where practicable, all applicable legislation, regulations, and codes of practice
- Continuously improve our sustainability performance and integrate recognized best practices into our business operations
- Operate with minimal environmental impact by improving resource efficiency on job sites and offices whenever possible
- Adopt and encourage the philosophy of reducing, reusing, and recycling waste generated from our business operations
- Include a copy of our Sustainability Policy in all our proposals to clients

To achieve these commitments,

EDECS shall undertake the following objectives:

1. Environment

- Minimizing harm to the environment and living things during construction through planning and management of projects
- Sustainable usage of local materials to decrease GHG emissions
- Adopting the policy to reduce, reuse, and recycle all the materials used in our projects
- Using FSC wood in our construction sites
- Implement Waste Management measures that align with Environmental Management Plan EMP

- Ensure Energy Efficiency through design, construction, and operation
- Consider and actively promote the use of sustainable resources and materials
- Provide relevant environmental/ sustainability training to EDECS employees, workers, and representatives
- Reduce environmental impact wherever possible, using the best practices and standards
- Undertake voluntary work with the local community and/or environmental organizations and make donations to seek to offset carbon emissions from our activities

2. Social

EDECS's role extends to enhancing the communities where we operate around and providing value to stakeholders and people of all backgrounds. EDECS works to make people's lives better through the CSR program, which provides several services and activities to ensure equality and balance among generations.

Provided basic requirements for our internal stakeholders, Community welfare support and investment through our CSR program:

- Provide training programs for engineers, workers, and technicians
- Annual internships to cope with the international market
- Charity construction works to support the local community through NGOs and other charity organizations
- Provide humanitarian aid to local hospitals and indigent villages
- Contribute to events and conferences, such as the annual sustainability conference held in Luxor under the slogan of "sustainability, economic and social transformations"



3. Economic/ Governance

Economic sustainability is one of the most important subjects of Sustainable economic development at EDECS includes:

- Creation of a forceful and stable construction business
- Respect the applicable legislation concerning sustainability
- Reducing operational costs by optimization of internal resources, efficient design and construction, and reduction of fixed costs, all the while maintaining the quality of our services
- Adopting the reduce, reuse, and recycle initiative
- Apply sustainable procurement practices



EDECS Internship Program

As a construction company, we are dedicated to empowering and fostering opportunities for the youth. The ongoing internship program at EDECS provides both theoretical and practical training to young individuals. The program is designed to give students hands-on experience in a real-world setting and develop their professional skills through projects and site visits.

Interns are paired with experienced mentors and receive theoretical training in various aspects of the industry, such as project management, quality control, and safety regulations. Many of the interns have gone on to become full-time employees at EDECS. The company is committed to the growth and development of the next generation and is confident that it will lead the industry to new heights.

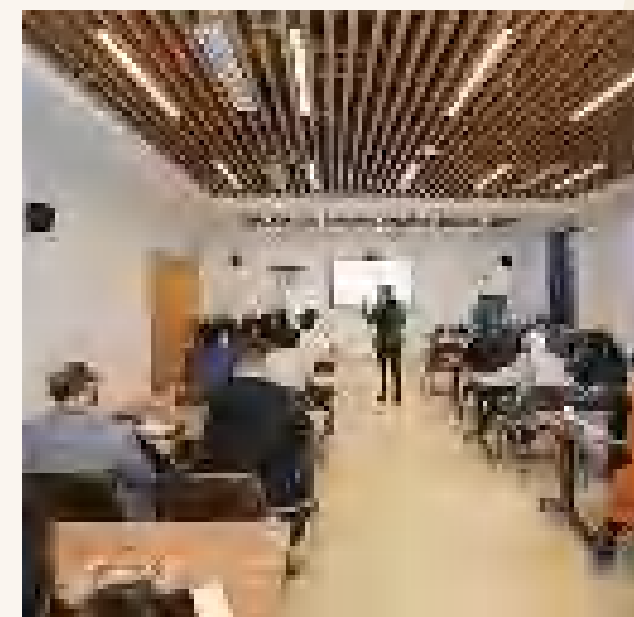
The internship program offers a promising opportunity for young individuals to gain valuable experience, network with industry professionals, and establish a solid foundation for their future careers.



EDECS Up-Skill Program

At EDECS, we understand the importance of keeping our employees up-to-date with the latest industry trends and technologies. That's why we've launched the EDECS Upskill Program to provide our team with ongoing professional development opportunities. The program focuses on enhancing employees' technical knowledge and includes topics such as projects, contracts & cost management, commercial and tendering, technical procurement, BIM standards, and other relevant topics.

By participating in this program, our employees can stay ahead of the curve, providing our clients with the best possible service. We believe in empowering our employees with the skills and knowledge they need to succeed, making EDECS a great place to work.



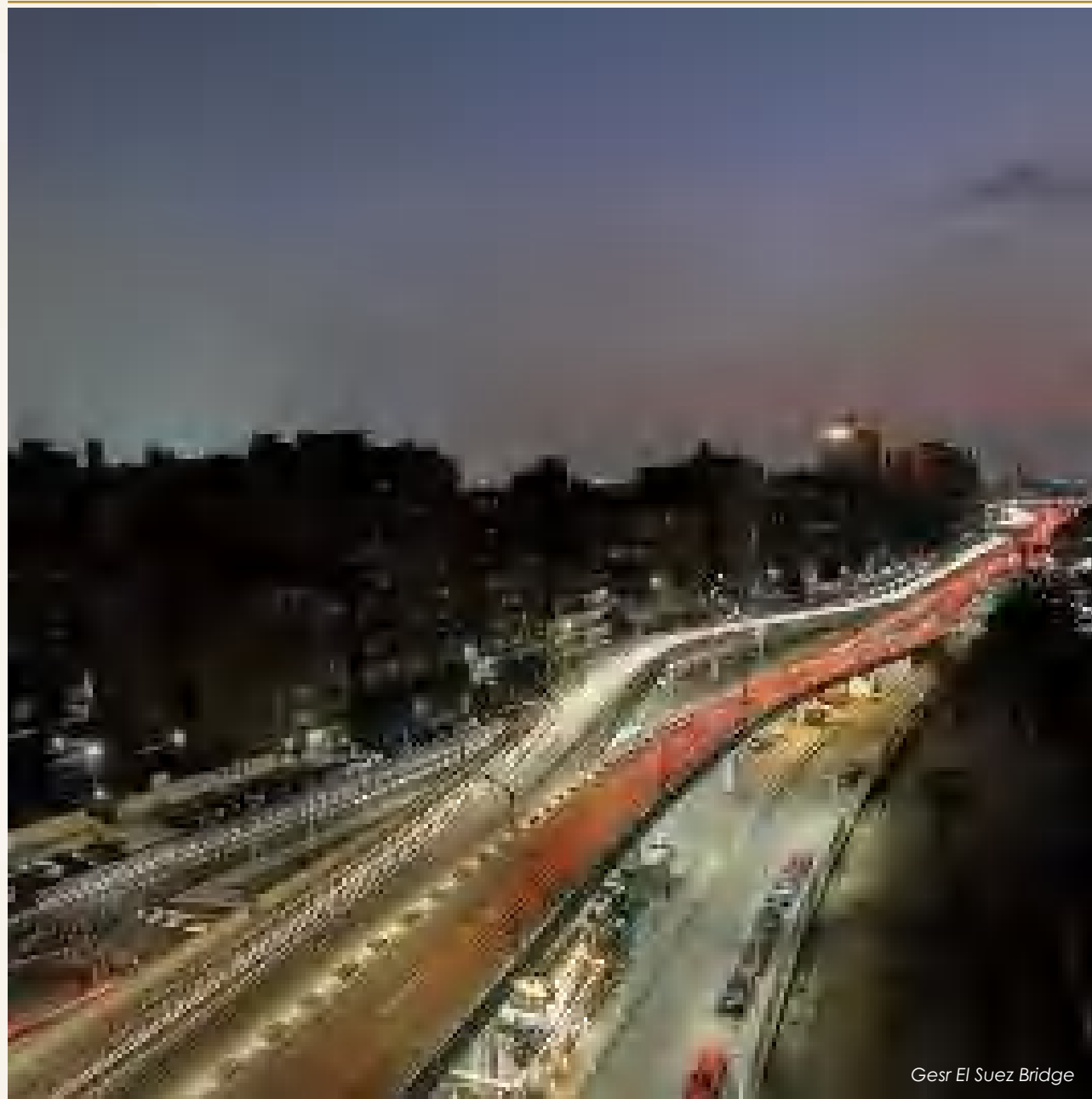


EDECS builds its success on collaborating with International and national contractors to fulfill its client's requirements.

- Dredging & Slope Protection-Port Said with BOSKALIS-HYUNDAI-BALLAST NEDAM-JAN DE NUL
- Port Said Container Terminal with Archirodon
- El-Salam Cable Stay Bridge with Kajima
- Dredging Work for Intake Pipe Line at Al Sokhna Thermal Power Plant with Egyptian Dutch Dredging Co. & Abeko Server Co.
- Polypropylene Factory with Uhde-Petrojet
- Shore Protection for Bunkering & Storage Marine Terminal East Port Said Seaport for Mashreq Petroleum Co.
- Shore Protection-Navigation Channel East Port Said Port with Arab Contractors

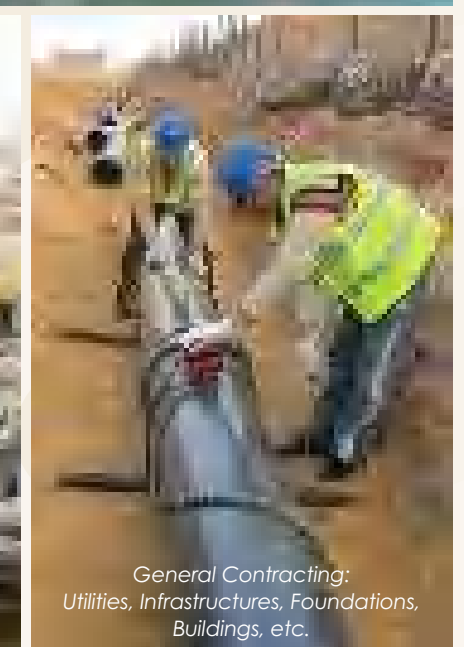
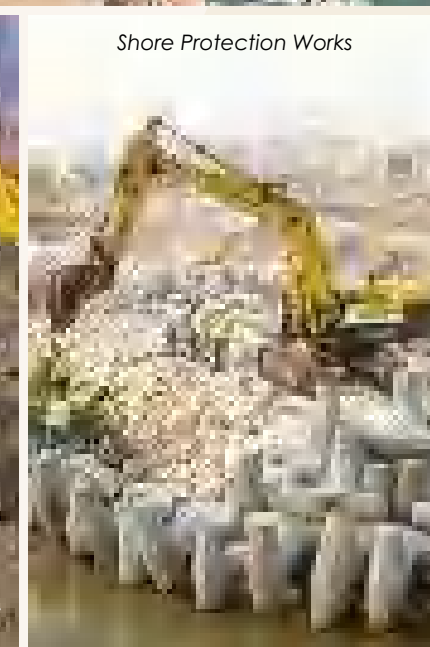
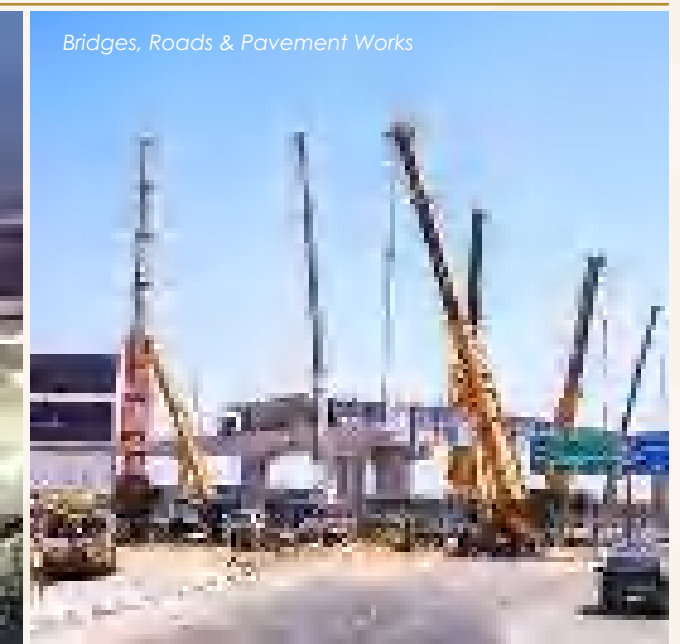
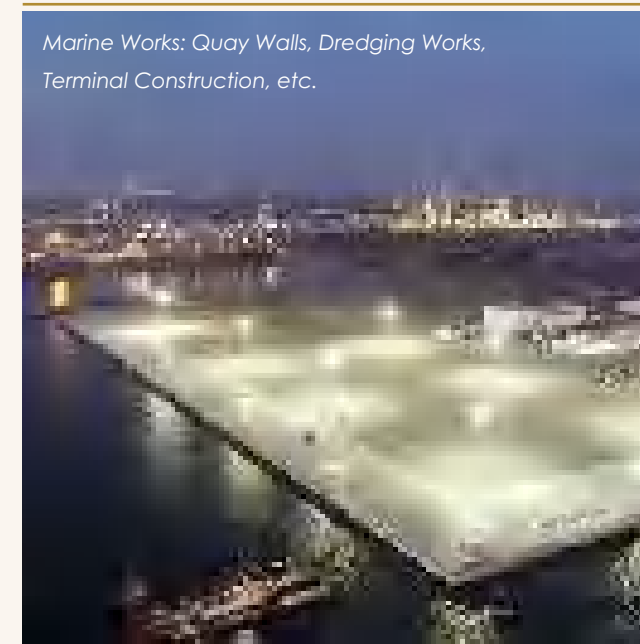
We are proud of our contributions to great projects for great clients.
We completed large projects for great clients in collaboration with major contractors.





EDECS Attributes Its Success To

- Competent Management Team: accumulated and diversified expertise that insists on applying internationally accredited industry standards
- Applying the most advanced management program (Enterprise Resource Planning- ERP system) to optimize the entire workflow and give full control over our business
- Dynamic Human Resources Team: constantly recruiting the best fits for the growing EDECS vacancies, whether in the projects' sites or in the Head Office
- Solid Supply Chain System: maintaining excellent relations with suppliers and subcontractors and utilizing logistics control schemes to ensure resilience in business continuity
- Modern, cutting-edge equipment was suitable for every job
- Strong financial position to cater to all needs
- On-the-spot client service through our branches in Cairo, Port Said, and Riyadh
- Equipment Management & Maintenance Unit: to test, repair, overhaul, or modify most components in our equipment



Quality, Safety & Environment Accreditations:

- Quality has always occupied a prime position in our operation. EDECS provides on-site dedicated, competent quality control teams, supported with all the needed tools to ensure our customer requirements are always fulfilled
- Health, Safety, and Environment: HSE has always been the top management's focus
- At EDECS, we comply with all safety and Environment requirements stipulated in the Egyptian and international standards. This has always led to safe working conditions
- Accreditations: The compliance with international standards as a result of the management's continuous efforts to ensure adherence to the world's highest accreditations:
 - ISO 9001: 2015 Quality Management System (QMS)
 - ISO 45001: 2018 Occupational Health and Safety Management (OHSAS)
 - ISO 14001: 2015 Environmental Management System (EMS)



The Integrated Management System Policy ensures the following:

- Meet or exceed customer expectations
- Provision of a safe working environment
- Effectiveness of Quality and delivery on time
- Considering environmental protection in our operations
- Suitable profit to stay in the construction field

EDECS Management System Principles Are:

- Consistently meeting the agreed clients' requirements in the most effective way
- Protection of all of our projects from any potential risk that may affect any of our employees, clients, consultants, or any individual working on the projects.
- Achieving integration and seamless communication between the various sectors of EDECS to ensure the optimum effectiveness of the integrated management system.
- Working together with consultants and subcontractors aiming at concluding the projects with the highest quality, safety, and environmental standards.
- Complying with the relevant local and international legal obligations.
- Setting the objectives and measuring the achievements to evaluate the effectiveness of the Integrated Management System and to act upon outcomes.
- Periodically measuring all performance indicators for continuous improvement.



Marine *Construction*

At EDECS, we excel in the marine industry, offering top-notch solutions for harbor facilities, waterfront developments, and seaside structures. Our skilled team at EDECS employs innovative techniques and materials to guarantee robust and eco-friendly outcomes.

Construction of Tahya Masr Multi-Purpose Terminal, Alexandria Seaport –Berths 55/62 (Quay Wall)

Owner: Egyptian Group for Multi-purpose Terminal (EGMPT).

Consultant: Dar Al Handasa Engineering Consultants.

Project Overview:

The Tahya Masr Multipurpose Terminal is an upcoming terminal that will play a vital role in transforming the Alexandria Seaport into a regional and global hub for trade and logistics. With a capacity for over two million tons of goods a year, the terminal is expected to boost the port's annual revenues by \$50 million, shorten waiting times for ships docking at the Seaport, create investment opportunities, and establish 4,500 direct and indirect job opportunities. Moreover, the terminal will play a vital role in Egypt's modern transport sector as a key linking chain in the upcoming \$4.45 billion high-speed electric rail line, which will link the Red Seaport of Al Sokhna to the Mediterranean Ports of Alexandria and Marsa Matrouh. The terminal will also supply the upcoming dry port on the 6th of October Industrial City as well as the logistics center associated with the Alexandria Seaport.



Our Scope of Work:

- 1- Construction of a container berth on the northern side and western sides of the project site, with a total length of 1420 m and a depth of 17.5 m.
- 2- Construction of a container berth on the southern side of the project site, with a length of 930 m and a depth of 14 m.
- 3- Construction of the storage terminal yards at the project site, with an Area of 550,000 m², including the finishing paving layers of base coarse material, concrete paving, and heavy-duty concrete laying blocks
- 4- Construction of an environmental barrier of 2,650 m in length to protect the environment of the navigation channel in the Seaport during sand reclamation works.
- 5- Reclamation & Backfilling work for the entire area of the project to execute and construct a berth and yards with estimated quantities of about 10 million m³. The backfill will be carried out by using land and specialized marine equipment (Hopper dredger).
- 6- Executing the soil improvement works for the entire area of the project for the berth and yards with an area of 473,749 m² by using Prefabricated Vertical Drains (PVD), Vibro-compaction (VC), and Rapid Impact Compaction (RIC).
- 7- Construction of the berth with a length of 2,350 m and 33.9 m in width includes the following:
 - Front diaphragm wall with a width of 1.20 m and a depth of up to 36.3 m and a length of 1,420 m, and estimated concrete quantities of 61,800 m³ for the berths with a depth of 17.5 m.
 - Front diaphragm wall with a width of 1 m and a depth of up to 36.3 m, and a length of 930 m and estimated concrete quantities of 33,759 m³ for the berths with a depth of 14.50 m.
 - Piles with a diameter of 1.20 m and a depth of up to 36.30 m and 35.00 m with a total length of 42,028 m and estimated concrete quantities of 49,000 m³.
 - Barrettes with dimensions of 2.8 x 0.8 m and a depth of up to 36.30 m and 35.00 m with a total length of 42,028 m and estimated concrete quantities of 54,235 m³.

Project Duration: Mar. 2020 - Mar. 2022 (24 months).



Construction of Eastern Quay Wall & Breakwater for The Naval Base- East Port Said, Egypt

Owner: Egyptian Navy Force, Egypt.

Engineers: Armed Forces Engineering Authority.

Consultant: Dar Al Handasa Engineering Consultants & Modern Engineering consulting office.

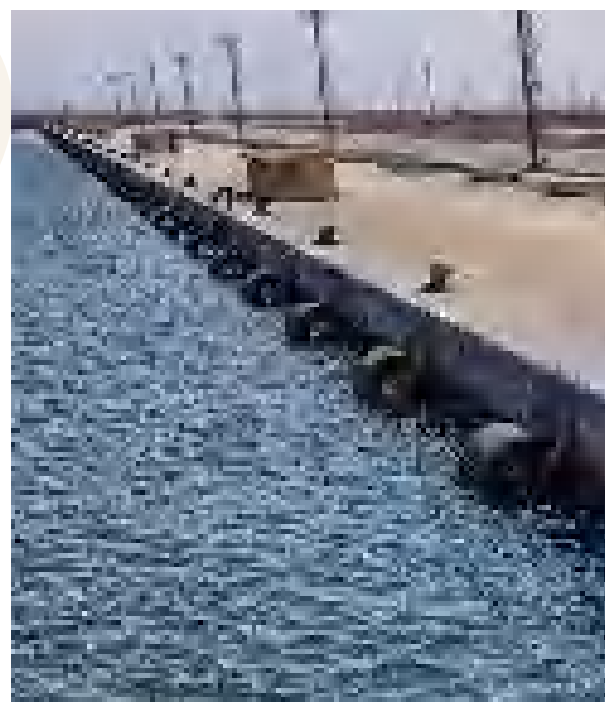
Project Overview:

Seaport in East Port Said is one of the Egyptian ports Belonging to the Suez Canal Economic Zone. Seaport in East Port Said is well-positioned to be a major transshipment hub and gateway port The Eastern Port Said Naval Base is designed to secure the Suez Canal, which could be threatened by the low-level insurgency in the Sinai, and to provide strategic access to recently discovered gas resources in the Eastern Mediterranean. Egypt's new naval strategy is designed to support a growing role in regional maritime affairs.

Our Scope of Work:

- 1- Construction of 1000 m Quay Wall using front deep Diaphragm reinforced concrete wall of 0.80 m thick and 63 m depth of total quantity 46,500 m³, reinforced concrete barrettes with dimensions 2.8 m X 0.8 m and depth 63 m of total quantity 58,000 m³ and construction of Deck slab of total quantity 32,000 m³.
- 2- Construction of a Breakwater of length 2,500 m and total rock quantity 600,000 m³.
- 3- Reinforced concrete utility trench of total length 1000m.

Project Duration: Aug. 2018 - Feb. 2020 (18 months).



Construction of Two Berths (9 & 10) at Ras Al-Khair Seaport, Saudi Arabia (Design & Build Contract)

Owner: SEAPA - Seaports Authority, Kingdom of Saudi Arabia.

Engineers: Lievens Arabia.

Project Overview:

Ras Al-Khair Seaport is the latest industrial port in Saudi Arabia located at the heart of its fastest-developing industrial regions. When completed, the Seaport will handle about 895.4 million metric tons of industrial products annually.

The number of minerals to be exported through the Seaport will amount to 4.335 million tons. Imports will amount to some 660,000 tons.

EDECS and Rawbai Joint Venture were awarded the design and build contract to construct two container berths (No. 9 & 10) and complete Berth No. 8; totaling around 1,000 m of docking wharf.



Our Scope of Work:

Dredging more than 3.5 million m³ to level -16.20 m of the basin and dredging trenches to level -26 m with the reclamation of more than 1.5 million m³ in the lagoon area and more than 2 million m³ behind the gravity-type quay wall.

And other works (totaling about 200,000 m³ of concrete for the quay-wall Concrete blocks, capping beams, and other works).

A jetty was constructed to accommodate a heavy crane of 500 tons needed to handle about 5,000 precast concrete blocks, supplied and installed for rock backfilling and anti-scouring works.

Works include the supply & installation of cell fenders and bollards, construction of interlock paving areas, asphalt roads, construction of seawater firefighting, and potable water systems.

Project Duration: Jul. 2014 – Dec. 2016 (30 months).



Construction of 680 m Multi-Purpose Terminal at Damietta Seaport, Egypt (Quay Wall & Storage Terminal Yards)

Owner: Damietta Port Authority (DPA), Egypt.

Consultant: Maritime Research & Consultation center (MRCC).

Engineers: Armed Forces Engineering Authority (AFEA).

Project Overview:

Damietta Seaport comes at the forefront of the Egyptian ports recently developed by the Egyptian Ministry of Transport considering its distinguished location. The Seaport is about 23 nautical miles from the northern entrance of the Suez Canal, which is a major advantage for all the vessels crossing the Suez Canal. Damietta Seaport also has huge potential, qualifying it to become the prime Egyptian commercial port.

One of its many advantages is the applied integrated automated system that serves the national economy. The Port is owned by the Egyptian Ministry of Transportation and is managed by the Damietta Seaport Authority which is tasked to execute a well-defined strategy that includes, among others, increasing the capacity of the port by adding more berthing lengths and deepening the basin into 17 m. This new berth adds 680 m of quay wall for multipurpose berthing and handling with a 17 m depth of berthing.

This terminal will contribute to reducing vessel waiting time outside the port, increase cargo handling volumes, encourage further ships with bigger sizes and types, and buttress storage capacity inside the port area.



Our Scope of Work:

- 1- Site preparation and investigation including bathymetric survey, soil investigation, and installing and maintaining environmental barriers.
- 2- Land reclamation to add over 50,000 m² to the quay wall and stacking area. This includes backfilling of about 1 million m³ of clean sand.
- 3- Excavating and constructing 680 m lengths of about 28,000 m² of Diaphragm Walls with 1-meter thickness and 44 meters depth.
- 4- Excavating and constructing about 500 barrettes (1 m by 2.5 m and about 44 meters deep).
- 5- Constructing the coping beams, girders, and deck slabs.
- 6- Installation of 59 cell fenders and 20 bollards.
- 7- Dredging works in front of the quay wall up to depth -15.0 cd using a cutter suction dredger with a total dredging quantity of 760,000 m³.

Project Duration: Jul. 2017 - Dec. 2018 (18 months).



Construction of Multi-Purpose Terminal at Al-Dekheila Seaport, Berth 100 (Quay Wall)

Owner: Ministry of Transportation.

Consultant: Modern Engineering Office Consultant/
Dr. Hamdy El Kamhawy.

Project Overview:

Al-Dekheila Seaport Container Terminal has many advantages that work to attract operators working in container activities due to the depth of the draft of the navigational corridor of the port, in addition to the natural draft of the berths in the port of Al-Dekheila.

The station is also distinguished by the increase in the station's rear yards and the length of the berth that can receive three container ships One giant at one time.

Berth No. 100 to be constructed is one of the most important projects through which the capacity of goods and containers can be increased, and the project consists of terminals with a berth of 1,800 meters in length, a depth ranging between 15-17 meters, and a backside of 660,000 square meters for its capacity to reach 2 million containers by the end of the project.

Our Scope of Work:

Construction of a multi-purpose terminal on berth 100 with a length of 1900 meters by applying the diaphragm wall system.

Project Duration: Jun. 2022 - Jun. 2024 (24 months).



Construction of Multi-Purpose Terminal at Safaga Seaport (Quay Wall)

Owner: Ministry of Transportation - Red Seaports Authority.

Consultant: GEO- Consultants

Project Overview:

Safaga Seaport is located in a strategic and important commercial area. It's the gate to Upper Egypt on the Red Sea and it's a link to Asia, Europe & the industrial areas in Upper Egypt.

The development of the port will help in more investments in the region and in the development of land and sea transport networks, to receive ships and general cargo to reach up to 7 million tons annually, the terminal is located 6 km south of the current Safaga Seaport.

Our Scope of Work:

Construction of a multi-purpose terminal with a length of 500 meters and a depth of 17 meters by applying the concrete blocks system, Backfilling inside the sea, site preparation, and paving layers for the terminal behind the quay wall.

Project Duration: Dec. 2021 - Jun. 2023 (18 months).



Construction of Ain Al Sokhna Seaport Basin 2-4 (Quay Wall)

Owner: Suez Canal Economic Zone

Consultant: Dar El Handsa for Engineering Consultant.

Engineer: Ministry of Transportation – General Authority for Roads & Bridges.

Project Overview:

Ain Al Sokhna Seaport is being prepared to be the largest port in the Red Sea, with an area of 23 km², to serve the trade movement between South and East Asia, South and West Europe, and North Africa.

In conjunction with the start of the implementation of the HSR "Al Sokhna - Alexandria - New Alamein" to support the port of Ain Al Sokhna to become a regional and African logistics center to serve global trade transportation.

Through fruitful collaboration between state institutions to develop maritime and land transport traffic for all Egyptian ports on the Red and Mediterranean Seas.

Our Scope of Work:

Construction of a sea berth with a length of 1560 meters with a depth of 18 meters by applying a diaphragm wall system in basin 2-4.

Project Duration: Dec. 2021 - Jun. 2023 (18 months).



Dredging & Widening Works in Basin-3 Al Sokhna Seaport

Owner: Sokhna Port Development Company & Dubai Port World.

Project Overview:

Docking of a large regasification vessel, badly needed to secure natural gas supply to power stations in Egypt, required the widening and deepening of Basin No. 3 in Al Sokhna Seaport. This was a challenging project as a very hard cemented soil layer was encountered.

Our Scope of Work:

The first stage was a collaboration with the Egyptian Dutch Dredging Co. and ABEKO Server Co. to dredge 330,000 m³ and dump the dredged material at a designated off-shore dumping area. The works were carried out for Dubai Ports World. The second stage to deepen the basin and widen its northern side was carried out by EDECS for Sonker Bunkering Co. to dredge 400,000 m³ and dump using the Backhoe Red October. Widening the basin includes the removal of the existing shore protection, cutting/trimming new slopes, installing new geotextile filters, and protecting the new slopes.

Project Duration: Mar. 2011 – Mar. 2015 (60 months).



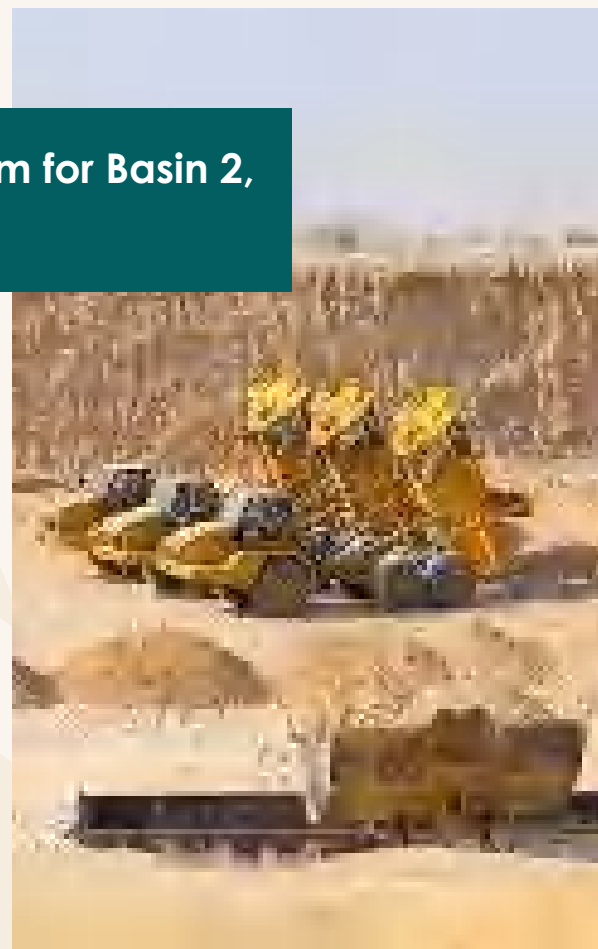
Western Edge Retaining Wall 480m for Basin 2, Al Sokhna Seaport

Owner: DP world Sokhna

Our Scope Of Work:

The construction of a quay wall of 480m operational length diaphragm wall with all necessary furnishings such as fenders, bollards, ladders, and an anchoring system. The Works also include the construction of a barrette wall to fix the tie rod system.

Project Duration: (6 months).



Construction of Ain Al Sokhna Seaport Basin 6

Owner: Suez Canal Economic Zone

Consultant: Dar El Handsa for Engineering Consultant.

Engineer: Ministry of Transportation – General Authority for Roads & Bridges.

Project Overview:

Ain Al Sokhna port is being prepared to be the largest port in the Red Sea, with an area of 23 km², to serve the trade movement between South and East Asia, South and West Europe, and North Africa.

In conjunction with the start of the implementation of the HSR "Ain Sokhna - Alexandria - New

Alamein" to support the port of Ain Al Sokhna to become a regional and African logistics centre to serve global trade transportation.

Through fruitful collaboration between state institutions to develop maritime and land transport traffic for all Egyptian ports on the Red and Mediterranean Seas.

Our Scope of Work:

Construction of a sea berth with a length of 1005 meters with a depth of 18 meters by applying a diaphragm wall system in basin 6.

Project Duration: Feb. 2023 - Feb. 2024 (12 months).

Construction of Marassi Marina Prefabricated Aluminium Pontoons

Owner: Emaar Misr.

Consultant: Pacer Consultants.

Project Overview:

We were chosen to execute a special and strategic project according to drawings, special conditions, and within the time frame for Marassi Marina Port, located along the north coast of Egypt.

Our Scope of Work:

Supplying and installing an anchorage system of epoxy-painted steel pipes and driving it to a depth of 12 m using marine equipment. Work includes design, Shop drawing, supply, and installation of Prefabricated Aluminium Pontoons of a total area of 7500 m² and its accessories of rubber fenders, cleats and ladders, and gangways. Works involve utilities for the Marassi Marina Luxury Motor/Cruiser Vessel Marina Project, including water, SOS Fuel, and electric supply pedestals.

Project Duration: Jan. 2021 - Sep. 2021 (9 months).



New Suez Canal Excavation & Rock Protection

Owner: Suez Canal Authority

Project Overview:

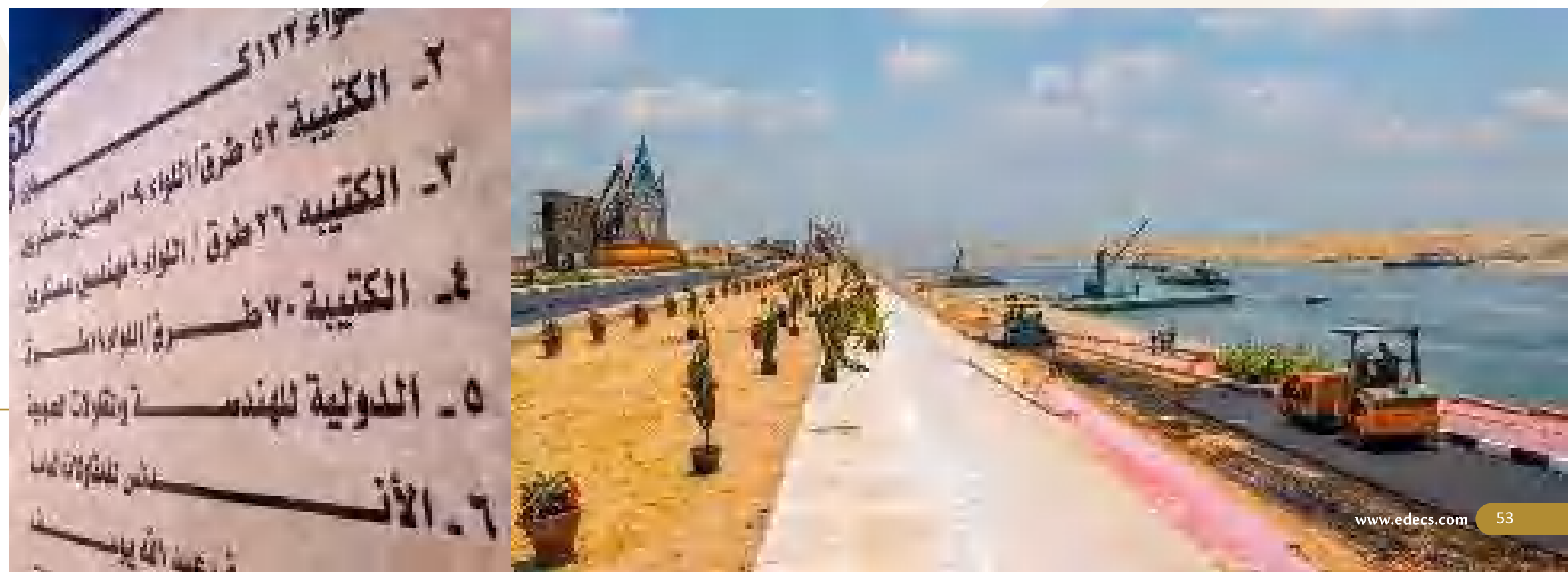
Two-way container ship traffic was impossible on parts of the Suez Canal. A challenging national project to excavate and dredge a new 75 km navigation canal (200 wide, 24 m deep) in an exceptionally short time of 12 months parallel to the existing Suez Canal was announced in August 2014. This is the largest expansion of the Suez Canal since its inauguration, completed in August 2015, a third of the originally estimated time. Several Egyptian and multinational companies collaborated on this national project to dredge over 240 million m³ and excavate over 200 million m³.

Our work scope:

We undertook the largest earthworks & infrastructures contractor of the 63 construction companies that contributed to this project, and were responsible for the largest volume of revetment (12 km, main contractor) and dry excavation and dumping of nearly 13 million m³ in addition to the construction of embankment for sedimentation basins of over 10 million m³. Our scope of work includes 10 km of the New Canal revetments (including slopes trimming/leveling, supplying & install geotextile, install rock protection layers of 130 cm thickness) in addition to the construction of 43 reinforced concrete bollard bases along the New Canal.

Project Duration: Sep. 2014 - Dec. 2015 (16 months).

EDECCS is the first civilian company out of 63 construction companies contributed in this project.





2 Roads & Bridges *Construction*

At EDECS, we specialize in building and maintaining bridges and roads, offering unparalleled solutions for transportation infrastructure. Our team at EDECS leverages the latest technologies and techniques to ensure efficient, safe, and reliable results.

Al Fayoum Bridge, Cross High-Speed Rail

A cross bridge for (the Cairo - Al Fayoum) road intersection with a length of 1.2 km

Owner: Ministry of Transportation & Public Authority for Roads and Bridges.

Consultant: Moharram Bakhoun (ACE).

Project Overview:

An integrated system of a high-speed electric railway network linking the whole country with a total length of 1750 km and speed of 250 Km/hr. to transport passengers, tourists, and cargo along Egypt's Eastern, Northern coasts, Luxor and Aswan, the project aims to link the country with neighboring countries as well and will be implemented by Siemens along with Egyptian construction companies.

The Project Comprises Three Main Lines:

1st line: Sokhna - Alamein.

2nd line: Alexandria - Matrouh.

3rd line: Hurghada - Luxor.

Our Scope of Work:

Construction of deep foundation piles of total length 10,796 m.

Construction of the main bridge concrete structure includes foundations, columns, retaining walls, box Girder concrete deck slab with high strength prestressing wires of a quantity 52,000 m³. With all bearing and expansion joints.

Road and earthworks include excavation, reinforced panels earth retaining walls, road base two asphalt layers, all traffic signs system, concrete curbs and new jersey

Road lightening system include lighting poles, flood lights, transformers and main distribution panel.

Project Duration: 24 months.





Construction of Shubra-Banha Bridge

Owner: The Engineering Authority of the Armed Forces.

Consultant: International Consultant Engineers.

Project Overview:

Shubra Banha Bridge above the ring road in the direction of Banha Free Road within the third phase linking Heliopolis with the Shubra Banha to transfer traffic from the heart of Heliopolis to the agricultural road without passing through the city center in only 8 minutes.

Number of lanes: 4.
Length: 1,050 meters.
Width: 19 meters.

Project Duration: Mar. 2020 - Jul. 2020 (5 months).



Construction of Joseph Tito Bridge

Owner: The Engineering Authority of the Armed Forces.

Consultant: Arab Consulting Engineers (ACE).

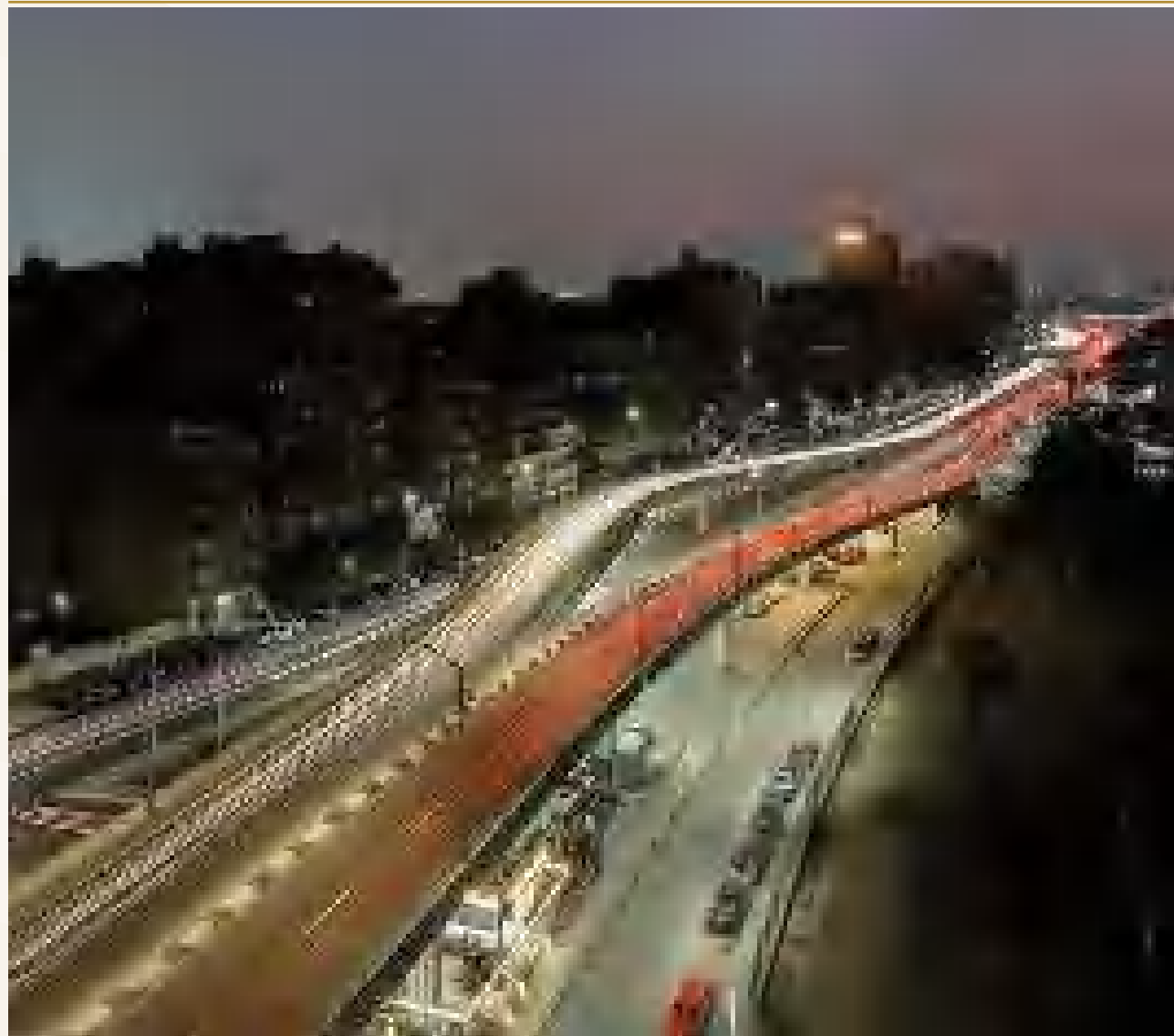
Project Overview:

Construction of Joseph Tito Bridge to connect 6th of October Street to Taha Hussein Corridor, New Nozha, and Suez Bridge, and who is heading to Al Orouba Corridor or Ismailia Desert Road, to help in the traffic flow and avoid congestion on Abdel Hamid Badawi Street.

Number of lanes: 4.
Length: 1,500 meters.
Width: 12 meters.

Project Duration: Jul. 2020 – Sep. 2020 (3 months).





Construction of Gesr El Suez Bridge

Owner: The Engineering Authority of the Armed Forces.

Consultant: Saad Consulting Engineers.

Project Overview:

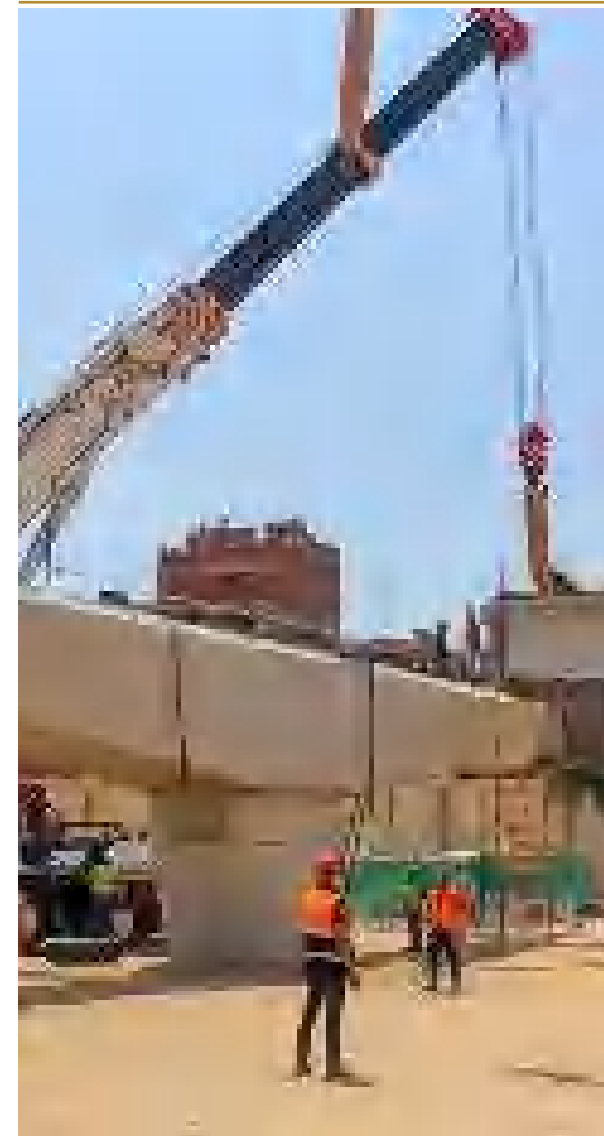
The Suez bridge serves the traffic heading from Midan Bin Sinder to Al-Abbasiya Square to reduce congestion on Al-Khalifa Al-Mamoun Street and Salah Salem Street.

Number of lanes: 4.

Length: 560 meters.

Width: 15.8 meters.

Project Duration: Jul. 2020 – Sep. 2020 (3 months).



Construction of Al Amal Bridge (Shinzo Abe Axis)

Owner: Engineering Authority of Armed & Department of Military Engineers.

Consultant: Nile Engineering Consulting.

Project Overview:

We had established Al Amal Bridge, located at the top of the Shinzo Abe axis (named after Japan's longest-serving prime minister), which connects the Suez Road with the East Cairo Region by passing through the Azbat El Hagana up to the Mesak Road and then to the Al Amal Cemeteries.

This is due to the liquidity of the traffic and avoiding traffic congestion in the Nasr City area to serve the citizens and facilitate the flow of traffic.

Total concrete quantity: 30,000 m³.

Total steel reinforcement quantity: 9150 tons.

Number of lanes: 6.

Length: 850 meters.

Width: 25.6 meters.

Project Duration: Apr. 2021 - Aug. 2021 (4 months).





Construction of El Badrasheen Bridge

Owner: The Engineering Authority of the Armed Forces.

Consultant: International Consultant Engineers.

Project Overview:

We constructed a bridge to cross the top of the ring road at 4 km with a width of 43 meters, within the national project for roads (the middle ring with a length of 147 km) to transfer traffic densities from Greater Cairo and connect the main roads.

Number of lanes: 6.

Length: 100 meters.

Width: 60 meters.

Project Duration: May 2020 – Sep. 2020 (4 months).



Construction of Abu El Nomros Bridge

Owner: Ministry of Transport (Roads & Bridges Authority).

Consultant: International Construction Engineers.

Project Overview:

Construction of a bridge at the top of the Abu El Nomros crossing, divided into two parts, the first east of the railway, with (2) exits and (1) at the Cairo-Aswan road and the second west of the railway.

Number of lanes: 4.

Length: 1530 meters.

Width: 90 meters.

Project Duration: 15 Jun. 2022 - 15 Jun. 2023 (12 months).





Construction of El Marazik Bridge

Owner: Ministry of Transport (Roads & Bridges Authority).

Consultant: International Construction Engineers.

Project Overview:

Construction of a bridge at the top of the Al thalaga in Maraziq crossing. The bridge is divided into two parts. The first is an entrance for those coming from Giza to the top of Dahshur-Saqqara Road, and the second is an exit for those coming from Dahshur-Saqqara Road to Cairo-Aswan Agricultural Road in the direction of Assiut.

Number of lanes: 4.

Length: 1323 meters.

Width: 10 meters.

Project Duration: 10 Jun. 2022 - 10 Jun. 2023 (12 months).



Construction of Hassab Allah El Kafrawy Bridge

Owner: The Engineering Authority of the Armed Forces.

Consultant: Nile Consulting Engineers.

Project overview:

Construction of Maadi Bridge 1 in the Hassaballah El Kafrawy axis connects Autostrad Road with Ring Road to help in the traffic flow and avoid congestion.

Number of lanes: 6.

Length: 420 meters.

Width: 22 meters.

Project Duration: Oct. 2021 - Jan. 2022 (4 months)





Construction of Umm Qamar Bridge (Along the Link with Suez Road)

Owner: The Engineering Authority of the Armed Forces.

Consultant: Al Raed Consultant.

Project Overview:

Construction of a concrete bridge above Suez Road with a length of 220 m and a width of 31 m along the Umm Qamar link with the Suez Road in km 16 of the regional ring to solve the congestion crisis in the area and aims to facilitate and service the movement of heavy transport trucks that transport loads of raw materials extracted from the quarries in that area to the areas Industrial and investment in Cairo and other cities, which supports the development process in the country.

Number of lanes: 6.

Length: 220 meters.

Width: 31 meters.

Project Duration: Feb. 2022 - May. 2022 (3 months).



Main Road Extension - Arterial Road, East of Port Said

Owner: Port Said port Authority.

Consultant: Maritime research & consultation center.

Our Scope of Work:

The (Arterial Road) serves the Suez Canal Containers Terminal on one side and the Trucks Parking Terminal on the other side of the Main Road Extension. Works included excavation for the new road in very soft soil inside the dredging basin and disposal of the material, supply, backfilling & compaction of imported sand, and construction of subbase layer, base & asphalt layers.

Project Duration: 2008 – 2010. (24 months)





3 Railways *Construction*

EDECS is a leader in railway construction, delivering high-speed electric railway systems that revolutionize global trade and transportation. Our team at EDECS prioritizes eco-friendly solutions while ensuring safety and efficiency in every project.

Light Rail Transit (LRT)

(The Military Kayan LRT Viaduct)

Owner: Ministry of Transportation & The National Authority of Tunnels.
Consultant: Khatib & Alami TPF INGENIERIA.

Project Overview:

The electric train project (10th of Ramadan – The New Administrative Capital) is one of the most important transit projects in Egypt during the current period. The electric train will provide an excellent service to all its users, which represents a new way from the heart of Cairo to the new cities. It's implemented by the Ministry of Transport and the National Authority for Tunnels, in cooperation with our company "EDECS" and the Chinese CREC- AVIC companies. The electric train will run parallel to the "Cairo-Ismailia" road, reaching the international medical center, then branching north to the 10th of Ramadan city & south to the New Administrative Capital, and linking with the

Cairo Metro network at Adly Mansour station. The electric train is contributing to facilitating the movement of citizens, strengthening the transit system, increasing the comprehensive development in these new areas, and increasing trade & investment. The project included 12 stations and extended over a length of 70 km. The speed of the electric train will reach 120 km/hr. And will transport 350 thousand passengers per day.

Our Scope of Work:

Construction of deep foundation piles of total length 21,248 m. Construction the main bridge concrete structure includes foundations, columns, retaining walls, Precast prestressed concrete of total quantity 82,000 m³ With all bearing and expansion joints.

Project Duration: 12 months.





High-Speed Rail (HSR)

A cross-bridge above Zewail road with a length of 1.35 km & the railway track of a length of 4 km

Owner: Ministry of Transportation & Public Authority for Roads and Bridges.

Consultant: Systra Group.

Project Overview:

An integrated system of a high-speed electric railway network linking the whole country with a total length of 1750 km and speed of 250 Km/hr. to transport passengers, tourists, and cargo along Egypt's Eastern, Northern coasts, Luxor and Aswan, the project aims to link the country with neighboring countries as well and will be implemented by Siemens along with Egyptian construction companies.

The Project Comprises Three Main Lines:

1st line: Al Sokhna - Alamein.

2nd line: Alexandria - Matrouh.

3rd line: Hurghada - Luxor.

Our Scope of Work:

Construction of the access road includes base layers and asphalt layers.

Bridgeworks include, excavation, piling works of a total quantity 17,700 m, back extended wires for retaining wall Construction of main bridge concrete structure including foundations, columns, retaining walls, Precast - prestress concrete girders, box Girder concrete deck slab quantity 40,000 m³.

Road and earthworks include excavation, reinforced panels earth retaining walls, road base two asphalt layers, all traffic signs system, concrete curbs and new jersey.

The works for the track embankment include the followings:

Excavation, backfilling works, coarse base layer and rigid pavement concrete slab of a total area 44,527 m².

Project Duration: (18 months).





4 Water Irrigation & Fish Farms *Construction*

At EDECS, water irrigation is just one of our many construction sectors. With advanced techniques for water conservation and sustainable land reclamation that supports related industries, our teams at EDECS prioritize eco-friendly practices for a positive environmental impact.



Construction of Control Gates & Barrages of Bahr Al-Baqar Drain

Main Regulators with Automated Sliding Gates for the water Carriage System, From Bahr Al-Baqar Drain To The Treatment Plant – East Of The Suez Canal

Owner: Ministry of Water Resources and Irrigation.

Consultant: ENOIA Utilities Consulting Engineers & ACE Moharram-Bakhom.

Project Overview:

It is considered one of the most important projects that aim to develop the Sinai Peninsula to leverage its natural resources. The project will contribute to the reclamation of 400,000 acres by recycling and using agricultural, industrial, and sewage wastewater, which will be diverted from the western to the eastern bank under the

Suez Canal. Upon treatment, all water will be dispensed in Sheikh Jaber's Canal.

Agricultural and industrial wastewater and sewage are collected from three drains, the largest of which is Bahr El Baqar Drain 106 km, which flows into Manzala Lake. Therefore, this water is considered a source of pollution because of its negative environmental impacts on human health and fisheries.

New Bahr EL Baqar Darin shall be constructed with all control irrigation structures to pass the water through EL SALAM Syphon to reach one of the world's largest water treatment plant .





our work scope includes the followings:

Construction of Three Waste Water Canal Regulating Penstock stations, their main purpose is to regulate and control the flow of water ingress (5 Million m³/day) to the giant wastewater treatment plant located East of the Suez Canal. The scope was designed and built (Turnkey), and the challenge was that required double penstocks were advanced and had never been constructed in Egypt before, they could fully close the Drain in 18 minutes rather than 1 hour with the conventional penstocks.

1- A Cross Regulator Penstock station is constructed on the Old Drain at Quantum 27:

The work includes making a diversion to the old drain's path, driving sheet piles to support the sides of excavation for foundation construction, carrying out concrete piles of 80 cm in diameter by rotary drilling with a length of 4,000 m foundations, abutments and wing walls, Deck slab reinforced concrete With a quantity of about 7,500 m³, the regulator is divided into seven vents 4 m width and equipped with double vertical steel gates They operate automatically and manually with the necessary cranes for maintenance.

2- The Intake Regulator Penstock station was constructed at 17.55 m. The work includes the implementation of concrete piles of 80 cm in diameter by rotary drilling of a length of about 2,800 m abutments and wing walls, Deck slab reinforced concrete with an amount 3500 m³, and the regulator is divided into four vents 4 m width and is equipped with double vertical steel gates They operate automatically and manually, with the necessary cranes for maintenance.

3- The Cross Regulator Penstock station is constructed with a weir at the New Drain, a quantity of 6,500 m³. The work includes the implementation of concrete piles with a diameter of 80 cm by rotary drilling of a length of about 4,000 m, abutments and wing walls, Deck slab reinforced concrete with an amount of about 6,200 m³ and the work of the weirs to reduce the level of the drain bottom from -4.0 m to -7.5 m. the regulator is divided into five vents 4 m width It is equipped with double vertical steel gates They operate automatically and manually, with the necessary cranes for maintenance.

Project Duration: Jan. 2020 - Jan. 2021 (12 months).



Al-Fayrouz Fish Farms, East of Port Said

Owner: The National Company for Fisheries and Aquaculture.

Project Manager: Armed Forces Engineering Authority.

Consultant: Dr. Fathy Abd Rabbo and Partners Office (FACB).

Project Overview:

It is a mega project that aims to increase the per capita share of fish and ultimately export to Arab and European countries.

- It is the largest project of its kind in the Middle East
- It is a huge added value to the development of the Suez Canal and the Sinai Peninsula because it entails industrial and urban settlements there
- It provides 10,000 direct and indirect job opportunities in different fields
- It will eventually lead to self-sufficiency, reducing imports and allowing export to Arab and European markets. This will bring about hard currency in the country
- New technologies in fish farming will be used for the first time in Egypt, such as cage culture, and the level of fish processing will be enhanced to increase the per capita share of fish
- The project is built on 26,000 acres with 17.5 kilometers on the Mediterranean and 10 kilometers in depth east of Port Said



Our Scope of Work:

- 1- Construction of fish basins embankments, water inlet chambers, water drain chambers, drain channels, Canals channels, HDPE insulations, concrete lining for main canals, rock protection for main drains, and all surrounding service roads for all work stages.
- 2- The works of PVC pipe drainage networks, regulators, bridges, and culverts.
- 3- Construction of Main seawater entrance including two stone breakwaters, dredging works, reinforced concrete floating pontoon for ship berthing, and 3 m diameter of reinforced concrete pipe culvert.
- 4- Construction of two jetties for the free fishing lake with a length of 600 m perpendicular to the beach and extending into the sea.
- 5- Construction of 2 concrete bridges to extend the coastal road path along the area north of the fish farms.

Project Duration: Sep. 2016 – Mar. 2021 (54 months).



5 Buildings *Construction*

At EDECS, building construction is taken seriously, bridging the gap between architecture and reality. Our team works seamlessly with architects to bring their designs to life, ensuring that every building project is not only aesthetically pleasing but functional and efficient.

Construction of Tahya Masr Multi-Purpose Terminal Alexandria Seaport – Berths 55/62 (Port Buildings)

Owner: Egyptian Group for Multi-purpose Terminal.

Consultant: Dar Al Handasa Engineering Consultants.

Project Overview:

The Tahya Masr Multipurpose Terminal is an upcoming terminal that will play a vital role in transforming the Alexandria Port into a regional and global hub for trade and logistics. With a capacity for over two million tons of goods a year, the terminal is expected to boost the port's annual revenues by \$50 million, shorten waiting times for ships docking at the port, create investment opportunities, and establish 4,500 direct and indirect job opportunities. Moreover, the terminal will play a vital role in Egypt's modern transport sector as a key linking chain in the upcoming \$4.45 billion high-speed electric rail line, which will link the Red Seaport of Ain Sokhna to the Mediterranean Ports of Alexandria and Marsa Matrouh. The terminal will also supply the upcoming dry port on the 6th of October Industrial City as well as the logistics center associated with the Alexandria Seaport.

Our Scope of Work:

Construction of many turn key bases building with full finishing and electromechanically items include: Main administration building of 4 floors and total built up area 1,500 m² include concrete structure, Masonry works, waterproofing, wood claddings, doors, windows, Gypsum board and flooring tiles, stone and marble flooring and Signage MEP plumbing include water pipes and valves, firefighting system, HAVC system, Electric panels, Transformer, LV cables, lighting fixtures & switches, Fire alarm system, Public address system, cable trays and Earthing and CCTV system.

3 floors Workshops of a total built up area of 1125 m² include full structural works, MEP and finishes Waste station Building, Access Control building, control rooms, Prayer room Fuel station equipped with all electromechanics equipment and fuel tanks Security rooms, waste station and fence.

Landscape works include curbs, planting works, stainless steel handrail, Exterior Lighting, Earthing, Duct bank and manholes, Roads and irrigation system.

Project Duration: Jun. 2022 – Jun. 2023 (24 months).



High-Speed Rail Station (HSR)

Hadayek October High-Speed Train Station

Owner: Ministry of Transportation & Public Authority for Roads and Bridges.

Consultant: Systra Group.

Project Overview:

An integrated system of a high-speed electric railway network linking the whole country with a total length of 1750 km and speed of 250 Km/hr. to transport passengers, tourists, and cargo along Egypt's Eastern, Northern coasts, Luxor and Aswan, the project aims to link the country with neighboring countries as well and will be implemented by Siemens along with Egyptian construction companies.

The Project Comprises Three Main Lines:

1st line: Al Sokhna - Alamein.

2nd line: Alexandria - Matrouh.

3rd line: Hurghada - Luxor.

Our Scope of Work:

This station is an intermediate station with 6 tracks and 4 platforms, the work area includes the main station building, the parking lots, the landscape and service buildings. The main building has 3 floors (ground floor, mezzanine floor and first floor), the area of the main building is 6,250 m² including the main gate entrance, the waiting area, the commercial area, Fare Gates, arrival and departure halls, administration offices, stairs, bridges and Escalators.

Our scope includes excavation and soil replacement works, all concrete structure works of a total quantity of 45,000 m³, and Precast reinforced concrete fence, damp and waterproofing works, Masonry works, thermal insulation, aluminum doors, Glazed aluminum curtain walls, steel doors and windows, floor and wall tiling, plaster, stone cladding, paintings, handrails, suspended ceilings, interior signage.

Site works include granular, 2-layer asphalt layers, curb stones, interlocking paving layer and traffic signs, stone flooring, decorative concrete paving and planting works.

Project Duration: 24 months.



Construction of Ahl Misr Walkway (Buildings)

Owner: Ministry Of Housing, Utilities & Urban Communities.

Consultant: International Consultant Engineers.

Project Overview:

From the state's efforts to develop Nile destinations, increase leisure activities for citizens and increase tourist attractions

to achieve great use of the Nile River to enable citizens to enjoy its beautiful view, the project will also contribute to clearing the riverbed, expanding and refining the waterway of the Nile River. Its absorption of water quantities improves the flow of water and prevents overruns and slums, and civilized upgrading.

Construction of a walkway along the Corniche with a length of 4.7 km, and the average width of the upper walkway is 4.5 m. While the average width of the lower walkway is 6.5 meters, the project includes 19 buildings, including 5 restaurants, 5 Cafeterias, 62 Shops, and 3 garages with a total capacity of 180 cars, as well as 3 terraces with a total length of 315 meters that can accommodate 1240 people, in addition to a theatre with an area of 275 square meters capacity for 772 people and a dockyard for yachts.

Our Scope of Work:

Construction of the (Ahl Misr Walkway) in phase 2, restaurants, cafeterias, shops, a theatre, and a dockyard for yachts on the Nile. The project is constructed from Imbaba Bridge to the Coast Bridge with a length of 1200 m, including marine piling, dredging, walkway deck slab, buildings, electromechanics networks, hardscape, and landscape works.

Project Duration: Oct. 2020 - Jul. 2021 (9 months).



Light Rail Transit Station (LRT)

(The Military Kayan LRT Station)

Owner: Ministry of Transportation & The National Authority of Tunnels.

Consultant: Khatib & Alami TPF INGENIERIA.

Project Overview:

The electric train project "10th of Ramadan – The New Administrative Capital" is one of the most important transit projects in Egypt during the current period. The electric train will provide an excellent service to all its users, which represents a new way from the heart of Cairo to the new cities. It's implemented by the Ministry of Transport and the National Authority for Tunnels, in cooperation with our company "EDECS" and the Chinese CREC- AVIC companies.

The electric train will run parallel to the "Cairo-Ismailia" road, reaching the international medical center, then branching north to the 10th of Ramadan city & south to the New Administrative Capital, and linking with the Cairo Metro network at Adly Mansour station.

The electric train is contributing to facilitating the movement of citizens, strengthening the transit system, increasing the comprehensive development in these new areas, and increasing trade & investment.

The project included 12 stations and extended over a length of 70 km.

The speed of the electric train will reach 120 km/hr. And will transport 350 thousand passengers per day.

Our Scope of Work:

Construction of LRT Station No 4 at stage 3 Kayan Station

Station area : 68,105 m²

Buildings area: 6354.6 m²

Parking: 40,000 m²

Landscape & Hardscape: 21,751 m²

Our scope Consists of (our scope includes excavation and soil replacement works, all concrete structure works of total quantity 45,000 m³, Precast reinforced concrete fence, damp and

waterproofing works, Masonry works ,thermal insulation, aluminum doors, Glazed aluminum curtain walls, steel doors and windows, floor and wall tiling, plaster, stone cladding, paintings, handrails, suspended ceilings, firefighting and plumbing works, sanitary works and fixtures, drainage works, Power and Lighting works, traffic marking and signs, curbs and barriers, Site parking area include earthworks, aggregate base coarse, two asphalt layer works, site electric network ,site firefighting and plumbing works, interlocking paving works, curb stones and site furniture.

Project Duration: 12 months.



Container Seaport Terminal, East of Port Said

Dewatering, Excavation, Backfilling, Compaction, and Paving Layers

Owner: Suez Canal Container Terminal (SCCT).
Consultants: PACER & Royal Haskoning.

Project Overview:

The project included the construction of the terminal yards of 2,400 m of quay wall split into two stages (1,200 m in each stage) with container terminals of 500 m width and an overall length of 2,400 m. The two stages were split into several contracts and phases of execution.

We completed the project in collaboration with several contracts either as the main contractor or as a subcontractor for ARCHIRODON Constructions Overseas Co. China Harbor Engineering Company Egypt Ltd. (CHEC) and the Petroleum Projects & Technical Consulting Company (Petrojet).

Our Scope of Work:

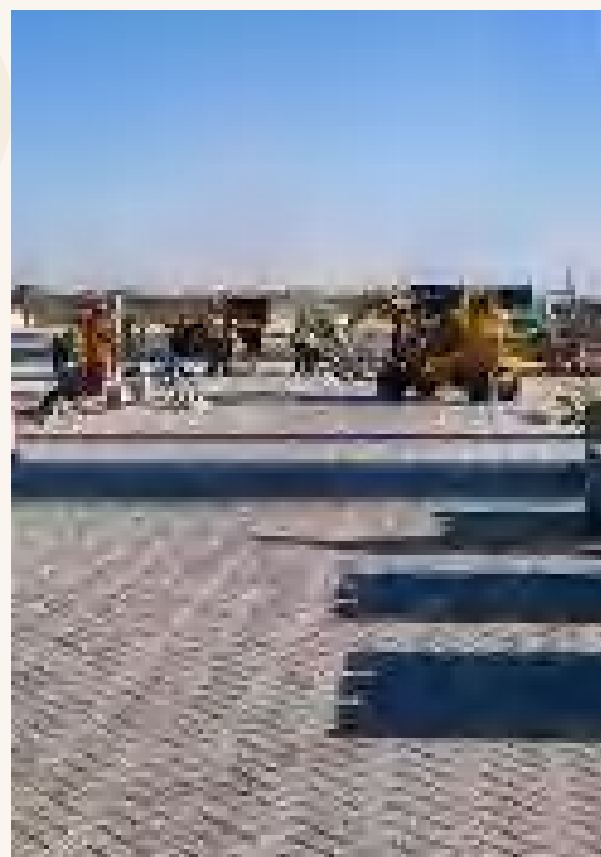
In the First Stage:

- With ARCHIRODON co: excavation & dumping of 450,000 m³, backfilling & compaction of 600,000 m³.

In the second stage:

- With China Harbor co: oil backfilling for sea pockets at up to -17 CD water depth, installation of a long silt screen, removal of old protection, installation of underwater sandbags at -17 CD water, and installation of underwater geotextiles and sandbags above to fix geotextiles & dewatering & excavation of 158,000 m³ of soil 6.5 m deep
- With Petrojet co: excavation with dewatering & dumping of 1,300,000 m³, backfilling & compaction of 700,000 m³, sub-base paving layer, sand cement concrete paving layer, and heavy-duty interlock laying blocks.
- As a Main Contractor, we completed the construction of the - Steel shed area and service building of the steel skeleton including reinforced concrete footing and all finishing works, wire mesh fence and infrastructure works including water, drainage, and firefighting utilities, manholes, pump house, communication & electric utilities, and fire alarm system.

Project Duration: 2004 – 2012. (96 months).



Construction of 680m Multi-purpose Terminal at Damietta Seaport (Buildings)

Owner: Damietta Port Authority (DPA), Egypt.

Consultant: Maritime Research & Consultation center (MRCC).

Engineers: Armed Forces Engineering Authority (AFEA).

Project Overview:

Damietta Port comes at the forefront of the Egyptian ports recently developed by the Egyptian Ministry of Transport considering its distinguished location. The port is about 23 nautical miles from the northern entrance of the Suez Canal, which is a major advantage for all the vessels crossing the Suez Canal. Damietta Port also has huge potential, qualifying it to become the prime Egyptian commercial port.

One of its many advantages is the applied integrated automated system that serves the national economy. The port is owned by the Egyptian Ministry of Transportation and is managed by the Damietta Port Authority which is tasked to execute a well-defined strategy that includes, among others, increasing the capacity of the port by adding more berthing lengths and deepening the basin into 17 m. This new berth adds 680 m of quay wall for multipurpose berthing and handling with a 17 m depth of berthing.

This terminal will contribute to reducing vessel waiting time outside the port, increase cargo handling volumes, encourage further ships with bigger sizes and types, and buttress storage capacity inside the port area.

Our Scope of Work:

Electric room, pump rooms, warehouse, and store building on total built area 5,500 m²

Project Duration: Jul. 2017 - Dec. 2018 (18 months).





6 Infrastructure *Construction*

EDECS is dedicated to delivering innovative infrastructure solutions for a connected world. With a focus on sustainability and efficiency, Our expertise in sustainable design and efficient construction methods ensures the creation of functional and long-lasting infrastructure.

Construction of Tahya Masr Multi-Purpose Terminal Alexandria Seaport – Berths 55/62 (Infrastructure)

Owner: Egyptian Group for Multi-purpose Terminal.

Consultant: Dar Al Handasa Engineering Consultants.

Project Overview:

The Tahya Masr Multipurpose Terminal is an upcoming terminal that will play a vital role in transforming the Alexandria Port into a regional and global hub for trade and logistics. With a capacity for over two million tons of goods a year, the terminal is expected to boost the port's annual revenues by \$50 million, shorten waiting times for ships docking at the port, create investment opportunities, and establish 4,500 direct and indirect job opportunities. Moreover, the terminal will play a vital role in Egypt's modern transport sector as a key linking chain in the upcoming \$4.45 billion high-speed electric rail line, which will link the Red Seaport of Ain Sokhna to the Mediterranean Ports of Alexandria and Marsa Matrouh. The terminal will also supply the upcoming dry port on the 6th of October Industrial City as well as the logistics center associated with the Alexandria Port.

Our Scope of Work:

Construction of all electric and sewer networks utilities, roads and yards for the marine terminals of total storage area 500,000 m² include the followings:

- Gc substation, ws substation, emergency generator substation, main mv distributor building, north quay substation, south quay substation, west quay substation.
- Sewer and electric manholes.
- Outdoor generator storage.
- Indoor generator fuel tank.
- Medium and low voltage electric cable networks.
- Main distribution electric panels, high masts and complete earthing system.
- High masts.
- Electric vehicle charging station.
- Communication and security systems.
- Scada , plc and bms systems.

- External fire fighting station.
- Water and storm drainage piping networks, valves.
- Main pump room and underground fuel and firefighting tanks.
- Lifting station.
- Water treatment station of capacity 50 m³/day.
- General earth and backfilling works for all the terminal yards.
- Paving layers of cement bound layer and block paving interlock layer.
- Site water utility distribution piping.
- Stormwater drainage network.
- Storm utility drainage piping.
- Domestic water pump room, gls tank and oil separator.

Project Duration: (9 months).



Construction of Ahi Misr Walkway (Infrastructure)

Owner: Ministry Of Housing, Utilities & Urban Communities.

Consultant: International Consultant Engineers.

Project Overview:

From the state's efforts to develop Nile destinations, increase leisure activities for citizens and increase tourist attractions

to achieve great use of the Nile River to enable citizens to enjoy its beautiful view, the project will also contribute to clearing the riverbed, expanding and refining the waterway of the Nile River. Its absorption of water quantities improves the flow of water and prevents overruns and slums, and civilized upgrading.

Construction of a walkway along the Corniche with a length of 4.7 km, and the average width of the upper walkway is 4.5 m. While the average width of the lower walkway is 6.5 meters, the project includes 19 buildings, including 5 restaurants, 5 Cafeterias, 62 Shops, and 3 garages with a total capacity of 180 cars, as well as 3 terraces with a total length of 315 meters that can accommodate 1240 people, in addition to a theatre with an area of 275 square meters capacity for 772 people and a dockyard for yachts.

Our Scope of Work:

Electromechanics works including water, drainage, firefighting and irrigation piping networks, control valves, sewer Manholes, firefighting pump system, the electric transformer, electric generator, Main distribution panel, Low voltage distribution panels, cable network system and lighting fixtures.

Site land scape and hardscape works include stone flooring and cladding, steel fence, stainless steel handrail, coloured concrete walkway.

Project Duration: Oct. 2020 - Jul. 2021 (9 months).



Construction Of 680m Multi-purpose terminal at Damietta Seaport, Egypt (Infrastructure)

Owner: Damietta Port Authority (DPA), Egypt.

Consultant: Maritime Research & Consultation center (MRCC).

Engineers: Armed Forces Engineering Authority (AFEA).

Project Overview:

Damietta Seaport comes at the forefront of the Egyptian ports recently developed by the Egyptian Ministry of Transport considering its distinguished location. The port is about 23 nautical miles from the northern entrance of the Suez Canal, which is a major advantage for all the vessels crossing the Suez Canal. Damietta Port also has huge potential, qualifying it to become the prime Egyptian commercial port.

One of its many advantages is the applied integrated automated system that serves the national economy. The Port is owned by the Egyptian Ministry of Transportation and is managed by the Damietta Port Authority which is tasked to execute a well-defined strategy that includes, among others, increasing the capacity of the port by adding more berthing lengths and deepening the basin into 17 m. This new berth adds 680 m of quay wall for multipurpose berthing and handling with a 17 m depth of berthing.

This terminal will contribute to reducing vessel waiting time outside the port, increase cargo handling volumes, encourage further ships with bigger sizes and types, and buttress storage capacity inside the port area.

Our Scope of Work:

Construction of the storage terminal yards at the project site, with an Storage area of 35,000 m², include Top paving layer of heavy duty concrete paving blocks above a crushed stone base coarse layer.

Underground water utilities (Sewer manholes, drainage, water supply pipe lines, full firefighting system with underground pump station, Scada system, Medium volt substation, Transformer, high masts, electric manholes & LV and MV Cables networks, Frequency convertor and all control electric panels), oil underground tanks, utility trench, supplying ships with electricity within OPS technique as well as oil and waste reception facility from ships .

Project Duration: Jul. 2017 - Dec. 2018 (18 months).





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At EDECS, we have a long history of delivering successful complementary construction projects. From small projects to large-scale initiatives, our team at EDECS has the experience and expertise to bring a wide range of construction visions to life.



Methanol Marine Terminal at Damietta Seaport

Dredging, Shore Protection, Marine Fixtures & Installation for Petrochemical Complex

Owner: E-Methanex.
Engineer: Tichent.
Main Contractor: Petrojet.

Project Overview:

Methanex in Egypt operates a state-of-the-art methanol production facility located in Damietta, Egypt, on the Mediterranean Sea. That is among the most energy-efficient methanol plants in the world, with a production capacity of 1.3 million tonnes of methanol per year, primarily supplying domestic and European markets.

Our Scope of Work:

- Dry excavation and installation of a deep well dewatering system to draw down the water

level to enable further dry excavation. Leveling and slope protection and scour protection at depth -14.5 below sea level.

- Dredging works for the Terminal area up to -14.00 m of total quantity 550,000 m³ and disposal of the dredged material to the designated off-shore dumping area using floating barges with clamshells and split barges.
- Underwater slope leveling and rock slope protection.
- Carry out the installation of the marine fixtures works for the Pulling Heads and the steel footpaths.

Project Duration: Oct. 2007 – May 2010. (30 months).

Construction of Truck Parking Seaport Terminals, East of Port Said

Owner: Port Said Port Authority.

Consultant: Research Center for Maritime Sector (MRCC).

Project Overview:

East Port Said Seaport truck parking provides services which are summarized in waiting and regulating the movement of trucks inside East Port Said Seaport in addition to the services provided to drivers where there is a cafeteria, mosque, medical treatment center in the yard, shaded parking areas as well as a supermarket and a group of transport services offices and the service of dismantling and installing refrigerant generators for containers, the East Port Said truck parking lot is constructed on a total land area 170,000 m².

Our Scope of Work:

- All site preparation and parking yards construction, including excavation with dewatering, backfilling, sub-base layer, and heavy-duty interlock laying block paving layer.
- Curb stone works, colored tiles, road alignment works, guidance, and warning signs.
- Several buildings, including the administration building, workshops, cafeteria, and services building, arch parking sheds, transforms building, fence, and security building.
- Sewage, firefighting, and electric networks.
- High masts and lighting poles.

Project Duration: Oct. 2012 - Jan. 2014 (16 months).



Construction of Al-Adabiya Terminal for Dry Bulk

Dredging, Reclamation, and Rock Protection

Owner: Adabiya Marine Investment Company.
Main contractor: Petrojet co.

Project Overview:

This project is part of the expansion of Al Adabiya Seaport, which overlooks the Gulf of Suez. This project aims to construct a yard. Thus, the annual capacity of the port will be doubled to 10 million tons.

Our Scope of Work:

Marine surveying works, land, and sea surveys, dredging works, backfilling works inside the sea with clean imported sand in an amount exceeding 1 million m³, and stone protection work for slopes.

Project Duration: May 2015 - Dec 2016 (20 months).



Navigation Channel at Seaport, East of Port Said

Dredging & Slope Protection

Owner: Port Said Port Authority.
Main Contractors: Boskalis, Hyundai, Ballast Nedam, and Jan De Nul.

Project Overview:

A consortium of European and Korean dredging contractors joined forces to complete the dredging project. Construction of a new Seaport at Port Said in Egypt, where the Suez Canal meets the Mediterranean.

Our Scope of Work:

Design and Construct contract, one of the first such contracts let in the region. In the Design and Construct contract - which was pioneered

in the offshore industry - contractors are made responsible not just for executing the work but for designing it too and getting involved at a much earlier stage than would normally be the case with a conventional contract. This is said to allow them to introduce innovative solutions and technology or engineering. We were subcontracted to complete all earthworks, construction of the sedimentation basin embankments, road works, and shore protection. Including placement of the geotextiles of rocks and pitching works.

Project Duration: Apr. 1999 - Feb. 2001 (22 months).



Mall of Egypt Infrastructure

Site Enabling Works & Diversion of Irrigation Pipelines at Mall of Egypt, 6th of October City

Owner: Majid Al Futtaim Properties.

Project overview:

Mall of Egypt is the first shopping destination of its kind in Egypt. The mall is owned and managed by the Majid Al Futtaim Group, the leading pioneer in shopping malls, retail, and leisure across the Middle East and North Africa region. Mall of Egypt is located on Al Wahat Road on the 6th of October. With a Gross Leasable Area (GLA) of 165,000 square meters, the mall includes 6,500 car parking spaces. Mall of Egypt's family leisure services includes Ski Egypt – Africa's first indoor skiing slope, a 21 multi-screen VOX Cinemas, and a Magic Planet family entertainment center.

Our Scope of Work:

- 1- Complete site enabling works (Contract No.1).
 - Site Facilities Preparations
 - Excavation in rock and sandy soil and disposal of the excavation material to public dumping sites.
- 2- Divert the irrigation pipelines (Contract No.2).
 - Works included excavation for the diverted Irrigation pipeline.
 - Installing the pipeline, including all the fittings for pipe connections, manholes, valves, connections with the old pipelines, and backfilling.

Project Duration: Oct. 2010 – Apr. 2012 (20 months).

Sokhna Thermal Power Plant

Dredging & Pipeline Backfilling Works for the Intake

Owner: East Delta for Electric production co.

Main Contractor: Orascom-Besix JV.

Contractor: Consortium of EDECS, Egyptian Dutch dredging co., and Abeko server co.

Our Scope of Work:

Contract No. 1

Dredging at the intake and transporting the dredged material to the off-shore dumping area using two self-propelled split barges.

Contract No. 2

Transporting backfilling materials from the berth using self-propelled split barges and dumping the backfill material above the pipeline trenches using high-accuracy GPS equipment using self-propelled split barges.

Project Duration: Aug. 2011– Aug. 2012 (12 months).





Earthworks for West Nile Delta Natural Gas Station in Motobus D3

Owner: Egyptian Natural Gas Holding Company.
Main Contractors: British Petroleum Co. & Petrojet.

Our Scope of Work:

Supply, installation, and compaction of clean sand, works had been carried out as per the high health and safety requirements of British Petroleum co.

Project Duration: Apr. 2013 - Nov. 2013. (8 months).



East of El Gamil Airport, Port Said Shore Protection Works

Owner: The General Authority for Shores Protection.

Our Scope Of Work:

Construction of 14 Groins distributed along the beach and extended inside the sea with varying lengths.

The works include the following:

- Supply and installation of geotextiles.
- Supply and installation of rocks.
- Supply and installation of concrete dolosse.
- shoreline sand nourishment of 350,000 m³

Project Duration: Mar. 2011 - Mar. 2013. (24 months)



Bunkering & Fuel Storage of Marine Terminal at Seaport East of Port Said

Shore protection, Site Preparation & Boundary Wall

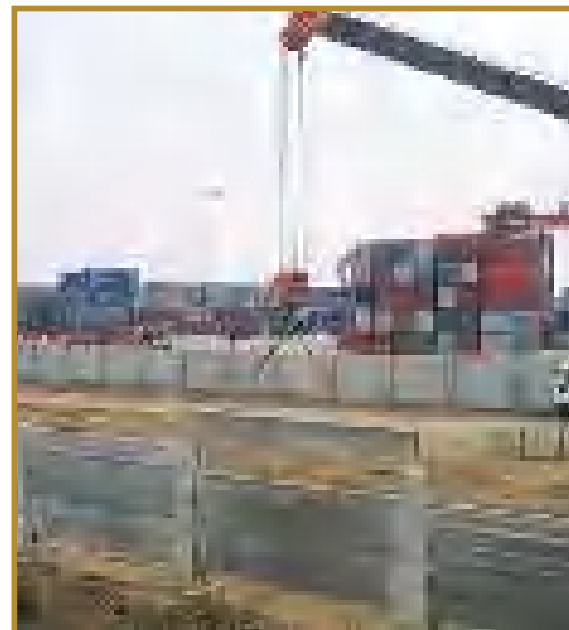
Owner: The Mashreq Petroleum Co.

Consultant: PACER consultant office.

Our Scope Of Work:

- Excavation and dewatering
- Installing filter layers.
- Installing protection rocks.
- Pouring concrete for the toe block, bracing beams, and cap slab.
- Supply and install a pre-cast concrete fence and security rooms.

Project Duration: Oct. 2006 – Mar. 2008. (18 months).



Ismailia Tunnels Under The Suez Canal

Deep Excavation Works for Two Inspection Shafts

Main contractor: Petrojet Company.

Project Manager: Engineering Authority for the Armed Forces.

Consultant: CDM SMITH.

Project Overview:

The project consists of two car tunnels under the new and old Suez Canal.

Our Scope of Work:

Excavation and dredging in the presence of underground water for 2 maintenance wells up to a depth of 62 m from the surface of the earth, including drilling for a quantity of sand, stone, and mud soil until reaching the required depth using a crane with heavy clamshell and Toyo dredger pump.

Project Duration: Nov. 2016 – Apr. 2017 (6 months).



Polypropylene Factory in West of Port Said

Site Preparation Works

Owner: The Egyptian Polypropylene Company.

Main Contractors: Uhde & Petrojet.

Our scope of work:

Site cleaning, surface soil cut, supply and compaction of clear sand on layers, supply and compaction of coarse backfilling material.

Project Duration: Apr. 2007 - Jul. 2007 (3 months).

Construction of New Marine Terminal Quay Wall at Damietta Seaport

Owner: Kuwait United Development.

Engineers: HPC Hamburg Port Consulting & Sellhorn Ingenieurgesellschaft.

Project Managers: DMJM HARRIS & AECOM.

Project Overview:

The project aimed at extending the harbor area. The project occupies approximately 130 hectares of land at the port.

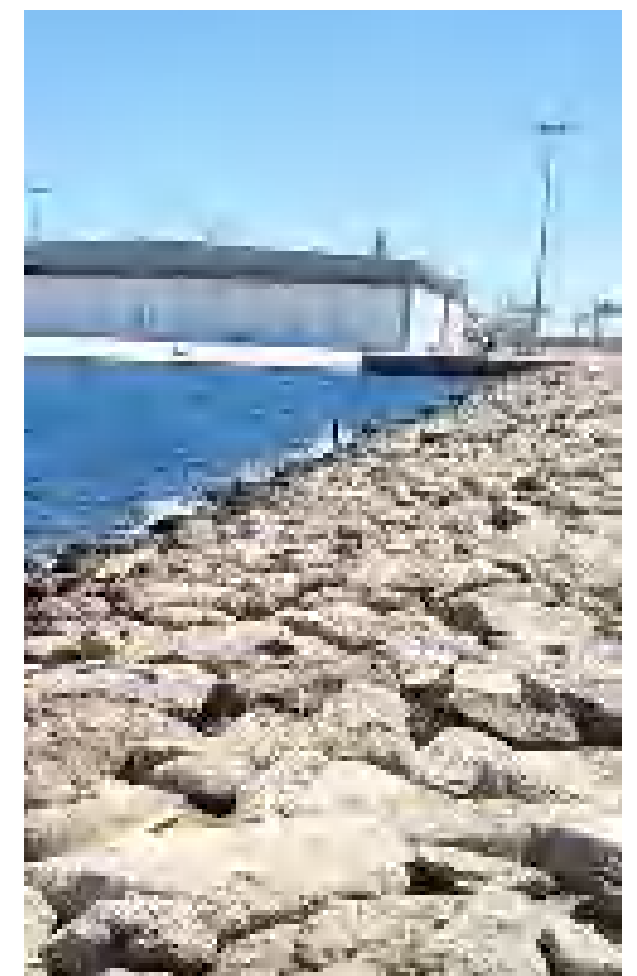
The extension works include the construction of a new U-shaped basin with total new terminals and basin dredging.

These terminal berths enhanced the port's capacity to accommodate giant container vessels.

Our Scope of Work:

- Removal of grouted slope protection.
- Re-installing it on the new slope, site leveling, excavation, filling of in-situ sand, and supply & backfilling of crushed stone for a working platform.

Project Duration: Aug. 2007 - Jan. 2009 (18 months).



Cairo Festival City Mall

Owner: Al Futtain Properties.

Our Scope of Work:

Excavation of 620,000 m³ for an area of 79,000 m² to depths of up to 14 m and shifting the excavated materials to the designated dumping area with a productivity of 12,000 m³ per day.

Project Duration: Jun. 2008 to Oct. 2008 (5 months).



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