



# PRE-QUALIFICATION

### QUALITY IS EVERYONE'S RESPONSIBILTY

"We are creative and innovative in our approach"







### **COMPANY PROFILE**

**CEC** is a multi-discipline consultancy limited liability company with a capital of 1,240,000 (one million, two hundred and forty thousand Egyptian pound), headquartered in Heliopolis, Cairo, Egypt.

**CEC** delivers architecture, engineering, project management and consulting services for building, infrastructure, and energy sectors. **CEC** has 33 years of excellence in the Egyptian market.

**CEC** is registered in the Egyptian syndicate of engineers as an expertise house. Expertise house is the highest level of registration in Egypt, where just 20 consultancy offices have awarded this registration. it is a very strict assessment for consultancy offices to ensure that these companies have experts in all fields of engineering consultancy besides they have an extensive portfolio in all these fields, i.e. building, infra-structure, and energy.

**a) CEC** is an integrated quality oriented firm according to ISO 9001, ISO 1400I:2004 and OHSAS 1800I:200 standards.

b) CEC the first company to be listed in the green book live for international BREEAM scheme assessments in Egypt.CEC is a member in the "US green council" since 2010.

c) CEC is the first consultancy office in Egypt to have **ISO 14001** and **OHSAS 18001**, and this reflects its vision regarding the environment and sustainability in all our engineering services. **CEC** is pioneer in Egypt to work in wind energy since 2005.





### **COMPANY HISTORY**

**1971: CEC** was established by consultant Eng. Mohammad Zaky Attalla to provide architectural and engineering consulting services.

**1985: CEC** was registered in the Egyptian syndicate of engineering to provide multi-discipline consulting engineering services in various fields.

**1991: CEC** has been turned into a limited liability company with different sectors, i.e. architectural, full engineering, environmental, project management and supervision services.

**2003: CEC** was awarded the title "Expertise House of Engineering Consultant" offering multi-disciplinary engineering consultancies with unlimited engineering services for both the national and international sectors.

#### **FIELDS OF ACTIVITIES**

**CEC** provides a wide range of consultancy services as an expertise house that is not limited to the following: Regional analysis and planning, Land use planning, Master planning, Environmental impact, Architecture and engineering, Green architecture, Civil engineering, Landscape architecture, Interior and graphic design, Bidding/negotiations, Construction supervision, Turnkey consulting, Project management, Renewables - solar and wind, Oil and gas, Electrical power, Communication and it solutions, Tunnels and bridges, materials technology, process and operating management.

#### **AREA OF ACTIVITIES**

**CEC** delivers these Previously mentioned services to serve the following kind of projects: Residential, Commercial, Hospitality, Entertainment, Medical, Educational, Public/civic, Religious, Industrial, Infra-structure and Energy projects.







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### **RESIDENTIAL PROJECTS**





### **DUBAI MARINA PHASE (1)**

#### Owner

Meraas Holding (Sheikh Mohammed bin Rashid Al Maktoum)

The first phase of Dubai Marina covers 25 acres (100,000 m2), which includes six freehold apartment buildings, Three of the towers are named after precious stones, Al Mass, Fairooz, and Murjan, and the other three are named after Arabic scents, Mesk, Anbar, and Al Yass.

#### Services

- Design review
- Value engineering
- 1.2 Billion AED.





# **RESIDENTIAL COMPLEXES, SUN CAPITAL**

Cairo, Egypt Owner Arabia Holding Services

Full engineering service

#### **Engineering challenge**

It was a challenge to design residential complexes that can service different clients categorizes with affordable spaces and sharing services.

Sun Capital, a new city located at in the sight of the great Pyramids one of the greatest wonders of the ancient world. Stretched over 575 acres in the heart of the world's greatest civilizations, "Sun Capital" is the world's latest addition of a complete metropolitan city named the New Touristic Capital of Egypt, where life, business and entertainment are combined.





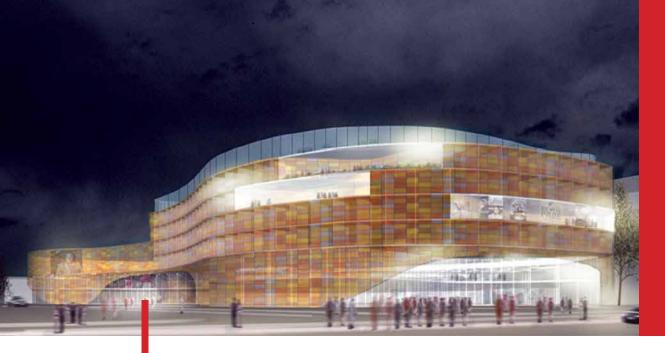


# CONSULTING

## **HELIO TOWER**

- Heliopolis, Egypt Owner Confidential Services
- Full engineering service
- 20 Million EGP







# CAIRO GATEWAY (MIXED USE)

Haikstep, Egypt Owner Confidential Services

- Full engineering service
- 100 Million EGP





## **AL-OUBOUR CITY**

- El-Obour City, Egypt Owner Confidential Services
- Full engineering service
- 150 Million EGP





### **RESIDENTIAL MULTI STORY BUILDINGS**

Alexandria, Egypt Owner Several Owners Services

• Design & Supervision





### **RESIDENTIAL-LOW RISE BUILDINGS**

Alexandria, Egypt Owner Several Owners Services • Design & Supervision





### **ROYAL FARM**

Wahat Baharya, El-Wadi El-Gadeed, Egypt Owner ROYAL FARM Green Challenge It is an administration and housing project for staff The project consists of:

- Two buildings for housing
- One community center
- One VIP lounge
- One mosque

All projects are green certified taking into account energy, water and environmental impact savings. The project is the first in Egypt to be certified according to **TARSHEED** standards, i.e. an Egyptian green building standard for residential buildings.

#### Services

- Design review
- Value engineering





### **COMMERCIAL PROJECTS**







# PROPOSED NEW CAIRO MALL

Proposed New Cairo Mall Owner Confidential

#### Services

- Full engineering service
- 250 Million EGP







### BADEA HEADQUARTER IN EGYPT

Heliopolis, Cairo governorate, Egypt Owner Arab Bank for Economic Developmennt in Africa (BADEA)

#### Services

• Interior design and Project Management service

A modern style office space in heart of heliopolis at Afreximbank, Cairo, Egypt. The Bank was created for the purpose of strengthening economic, financial and technical cooperation between the Arab and African regions and for the embodiment of Arab-African solidarity on foundations of equality and friendship.







### AMWAL AL-ARABIA CO.

Smart village, Egypt Owner

Amwal al-arabia co.

#### Services

- Full engineering service
- 80 million EGP

#### Design challenge

It was the inverted cone with just one column at the middle. This was the design idea to present the core business of the company.

#### The building includes:

- Area of 10,000 m2 divided into basement, 4 floors.
- Office spaces.
- 50 Persons conference rooms.
- 4 Meeting rooms with video conference facilities.
- Lounges, Cafeterias and genetical landscaped moral entrance.





### **DESIGN CHALLENGE**









### THE CHAMBER OF COMMERCE UNION

#### Cairo, Egypt Owner Fedcoc

#### Services

- Full engineering service
- 50 Million EGP

9 story office building with a hi-tech architectural style consist of:

- Office spaces
- 200 persons' conference room
- Meeting rooms
- Basement garage & mechanical rooms with total 60000 m2 area.





### NATIONAL BANK OF QATAR

Doha, Qatar Owner National Bank Services

• Full engineering service

#### The total area of the buildings is 1500 m2 divided to:

- 2 basement floors used as parking
- Ground + mezzanine floor used for customer services
- 6 typical floors for administration department
- The building includes all the necessary services as a central bank such as multi-purpose hall, cafeteria, Praying hall & lounges.



## **HOSPITALITY PROJECTS**







# **SWISS INN HOTEL**

Heliopolis, Egypt Owner Arab Company For Tourism Projects Services

- Interior Design, Value Engineering and Site Supervision
- Renovations
- 30 Million EGP







# **AZZURA RESORT**

#### Sahl Hasheesh, Egypt

Owner

Prime International

#### Services

- Structural design
- Tender documents
- 200 Million EGP

A luxurious new development of studio, 1, 2 & 3 bed Apartments and villas. **Azzura** is situated in an elevated position in the Sahl Haseesh resort to take advantage of the outstanding views over the red sea, whilst being Just 14km from hurghada international airport.

**Azzura** consists of just over 500 units which include homes with infinity edge swimming pools, terraces and private courtyards.

**Azzura** is made up of mostly apartments, which range in size offering one, two and three bedroom units.





# SOL CYRENE HOTEL

Sharm El-Shiekh, Egypt Owner Sharm For Tourism & Diving Co. Services

- Design review
- Value engineering
- Project management

#### Sol Cyrene is located 7 km from sharm el sheikh International airport on the red sea coast on south sinai peninsula.

- 201 rooms, overlooking sea, pool and garden view
- 2 swimming pools and a separate kid's pool
- 2 swimming pools on the beach
- Main restaurant
- Lobby bar
- Swim-up pool bar
- Beach bar
- Health club: gymnasium, Hair dresser, Sauna, massage, Steam bath and hydro massage
- Diving center







# **MILLENNIUM TIRAN RESORT**

Sharm el-shiekh, Egypt Owner

Sharm for tourism & diving co.

#### Services

- Project management
- Value engineering
- 180 Million EGP

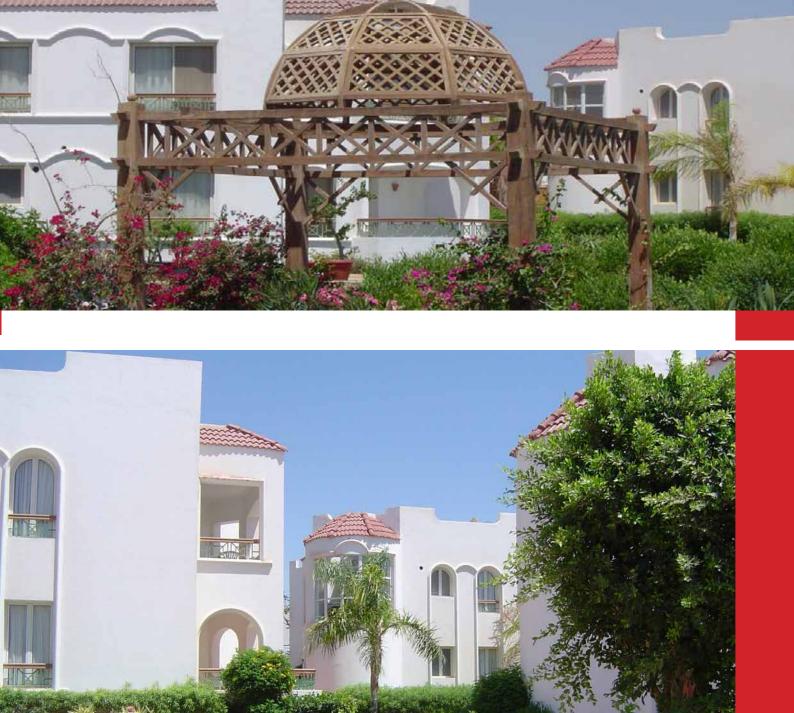
#### Project management challenge

We were managing and coordinating between 12 consultants and 25 contractors.

#### A five-star resort consists of:

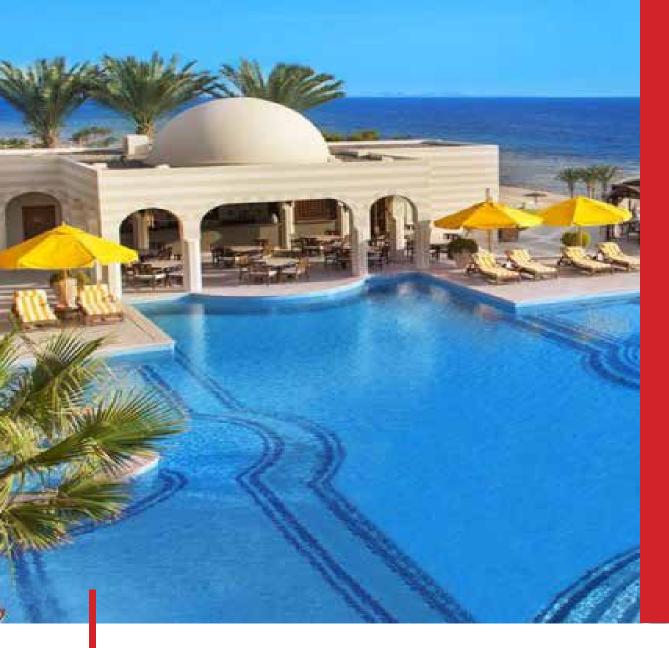
- A main building
- 351 guest rooms
- Restaurants
- Internal patio
- Ballroom
- Shopping mall
- Business center
- Amphitheater
- Residential villas
- Staff house
- Outdoor utilities such as swimming pools, lakes, green areas Lounges, Cafeterias and genetical landscaped moral entrance.





North







### **OBEROI SAHL HASHEESH HOTEL**

Sahl Hashish, Egypt Owner Oberoi Management Services

- Design review
- Value engineering

#### A luxurious 5 star hotel in sahl hashish consists of:

- Main building
- 84 guestrooms
- Main restaurant
- Bar / pub
- Health club / spa
- Swimming pools
- Kids club
- Tennis courts





### **ENTERTAINMENT PROJECTS**





# **FERRARI THEME PARK**

Abu Dhabi, UAE Owner Aldar properties

#### Services

- In co-operation with international.
- Architecture firms Benoy UK, Rosser USA.
- Preparing the architectural, structural, plumbing & electrical services and HVAC construction documents.
- 1,500 Billion USD.

#### New prospective challenge

It was a fast track project just built in 18 months. Thus, a structural system was of CMU, steel I beams, and reinforced concrete slabs on corrugated sheet were chosen to reduce the construction time.

- The development provides leisure and entertainment for the whole family with a racetrack, numerous rides and, attractions, An opportunity to allow visitors to experience the story and history of Ferrari, to participate in Ferrari motoring activities, and to experience the Ferrari brand through virtual simulations.
- A component of the racetrack is integrated with the Ferrari theme park for the Ferrari driving school experience.





### **NEW PROSPECTIVE CHALLENGE**







# **XTREAM RECREATION CENTER**

#### Sharm El-Shiekh, Egypt

#### Owner

Xtream Development Co. **Services** 

- Full engineering service
- 20 Million EGP

The development team has achieved the goal of designing a truly unique leisure product that considered an add value of Sharm El-Shiekh City.

All the 10 acres' lot with 6,150 m2 of retail, restaurants, and coffee shops are exposed to the main major road.

The vernacular architecture speaks to the life on the road activities.

The whole project is uniquely landscaped using high end landscape materials and pretty soft cape.







### BOUNCE "J" CAIRO FESTIVAL CITY

Egypt Owner El-Katameya Company for trampoline and gym

#### Services

- Project management
- Value engineering





### **MEDICAL PROJECTS**







# SAUDI GERMAN HOSPITAL

**Cairo, Egypt Owner** Egyptian Saudi healthcare co.

#### Services

- Full engineering service
- 280 Million EGP

#### **Consultant challenge**

Our target is to build a landmark hospital in Cairo. We have taken into consideration every small detail. **CEC** target is to give a great example on how the Egyptian consultants and experts can develop the healthcare sector.

#### The hospital has the following facilities:

- Oncology \* Water Storage Tanks \*Chemotherapy.
- Physio Therapy \* Administration \* Kitchen.
- Staff Dining Hall \* Laundry \* Technical Rooms, Main Entrance Hall \* Main Reception \* 5 Shops, 50 Outpatient \* Endoscopy \* Laboratory.
- Pharmacy \* Conference Hall \* VIP Treatment Rooms.
- 4, X-Ray Rooms \* Ultrasound \* Fluoroscopy, Ct Scan \* Mri \* Gamma Camera
   \* Emergency, 4 Operation Theaters \* Recovery \* Prayer Hall For 60 Person
   10,1-Bed Units \* 32, 3-Bed Units \* Kidney Dialysis.
- C.C.U & I.C.C \* 2 Lab Our Rooms \* 8 Delivery Rooms \* 6 Operation Theaters, C.S.S.D \* 10, 1-Bed Units \* 41, 2-Bed Units \* V.i.p Suites \* Royal Suites, Auditorium \* Meeting Residential Villas & Staffe House.
- Outdoor Utilities Such As Swimming Pools, Lakes, Green Areas Lounges, Cafeterias And Genetical Landscaped Moral Entrance.



## **EDUCATIONAL PROJECTS**







### **TIBA UNIVERSITY IN EGYPT**

#### 10th Ramadan, Cairo, Egypt

#### Owner

Development and Knowledge for Education Services **Services** 

- Full engineering service
- 1.10 Billion EGP

#### **Engineering challenge**

It was a challenge to include all the different faculties and operational needs while respecting the allowable footprint 22.50% of the land area.

A modern pharaonic concept design on land area of 28 arces. The university consists of eight different faculties, and some services buildings. All faculties consist of a ground floor plus three floors. The eight different faculties are:

- Faculty of Dentistry.
- Faculty of Pharmacy.
- Faculty of Physiotherapy.
- Faculty of Engineering.
- Faculty of Computer Science & Information.
- Faculty of Business & Economics.
- Faculty of Mass Communication.
- Faculty of Art, Design, and Cinema.







### **MASSAR UNIVERSITY**

#### Wadi El-Natroun, Behera governorate, Egypt

#### Owner

Egyptian International Company for Science and Technology for Education Services

#### Services

- Full engineering service
- 1.0 Billion EGP

A modern style university concept on land area of 25 arces. The university consists of a main administration building, nine different faculties, and some services buildings. All faculties buildings consist of a ground floor plus three floors. The nine faculties are:

- Faculty of Dentistry.
- Faculty of Pharmacy.
- Faculty of Physiotherapy.
- Faculty of Engineering.
- Faculty of Computer Science & Information.
- Faculty of Business & Economics.
- Faculty of Art, Design, and Cinema.
- Faculty of International & Corporate Law.
- Faculty of Tourism & International Studies.







## **MERIT UNIVERSITY**

#### New Sohag, Sohag governorate, Egypt

#### Owner

El-Manara for Investment and development **Services** 

- Value and Project Management service
- 1.30 Billion EGP

A modern style university concept on land area of 25 arces. The university consists of a main administration building, twelve different faculties, and some services buildings. All faculties buildings consist of a ground floor plus three floors. The nine faculties are:

- Faculty of Dentistry.
- Faculty of Pharmacy.
- Faculty of Physiotherapy.
- Faculty of Engineering.
- Faculty of Computer Science & Information.
- Faculty of Business & Economics.Faculty of Art, Design, and Cinema.
- Faculty of International & Corporate Law.
- Faculty of Tourism & International Studies.









## **CANADIAN INTERNATIONAL COLLEGE**

Cairo, Egypt Owner CIC

#### Services

- Full engineering service
- 30 Million EGP

#### **Engineering challenge**

A fast track project was built just on 7 months to start the admission process for the following year as planned by the college top management.

## Total area = 5500 m2 divided into 5 floors (basement, ground, 3 typical floors) the college consists of:

- Lecture hall for 400 person
- 2 lecture halls for 200 person
- Cafeteria, central library, meeting room
- Admin. Offices
- Professors offices
- Open courts
- Gymnasium and praying hall
- 40 labs 25 students each







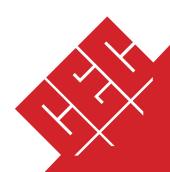
## TECHNOLOGY COLLEGE FOR COMPUTER & LANGUAGES

Oman Owner The Arabic Education Services

• Full engineering service

An islamic style college with total area of 20,000m2 the college consists of five connected masses in a harmonious architectural shape every mass includes different activity:

- Administration building 3 floors with internal patio
- Lecture halls, language labs
- Computer labs, internal patio
- Computer bldg., has 3 lecture halls, 40-class rooms
- Celebration hall, cafeteria, restaurant, praying hall
- Central library and gym hall
- Open courtyards







## **Primary Education Schools Model 1**

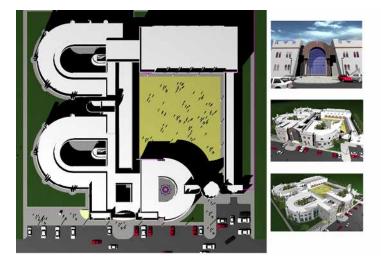
#### Oman

Owner The Ministry Education Services

- Preparation of discipline drawings
- Preparing tender documents

## A primary school, executed in sultanate of oman Description:

- Total area is 6,000 m2 divided into 30classroom, 10classroom for future extension, library, computer lab, multipurpose hall (800m2), teacher's rooms, administration offices and celebrations hall.
- Classrooms around one internal patio and also in the ground floor for the children to use it as an open area.









## **PRIMARY EDUCATION SCHOOL MODEL 2**

#### Oman Owner The Ministry Of Education Services

- Preparation of discipline drawings
- Preparing tender documents





## **PUBLIC / CIVIC PROJECTS**







## QATAR EMBASSY IN MOROCCO

#### MOROCCO

**Owner** Qatar Embassy

#### Services

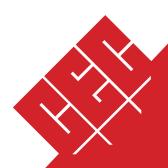
• Full engineering service

#### Project total area is 6,500 m2 divided into:

- Embassy with ground, first and basement floor.
- Villa b. Includes basement, ground, first and roof.
- Counselor b. Includes ground floor only.

#### The project design based on:

- Islamic style by using the internal patio, using the Islamic elements (archescolumns and ornaments).
- The three masses have been connected by links covered with transparent materials for easy circulation between each other
- Covered swimming pool for the villa
- Open courts and landscaped areas







## **KUWAIT EMBASSY IN QATAR**

#### QATAR

Owner KUWAIT EMBASSY Services

• Full engineering service

#### The embassy consists of:

- Kuwait ambassador residential villa at Qatar
- The built up total area is 3,000 m2 divided into 3 floors

#### Design based on:

- Using Islamic style as internal patio function to include all the project elements view to find the Arabian Islamic.
- All the elements are sea view.







## ARABIAN ORGANIZATION OF DEVELOPMENT& MANAGEMENT

#### QATAR

**Owner** National Navigation Co.

#### Services

• Full engineering service

#### Project total area is 6,500 m2 divided into:

• Total area is 8,000 m2, The project has two phases, First phase consists of 15 floors with 400 m2 area, Open courts and landscaped areas.







## FINANCIAL CONTROL AUTHORITY BUILDING

#### OMAN Owner Financial Control Authority Of Oman Services

Full engineering service

## The financial control authority building in Oman is a four story building that consists of 3 different masses:

- The center mass with a double height conference hall, lobby a court and waiting area and reception.
- The two side wings are mainly offices halls with internal courts.





## **RELIGIOUS PROJECTS**







## **ISLAMIC COMPLEX**

Giza, Egypt Owner Charity Services

- Design and supervision
- 35 Million EGP

1,000 prayers Islamic complex in addition to:

- Funeral hall 500 persons
- Outpatient clinic
- Quran teaching school





## **INDUSTRIAL PROJECTS**





## **COOKERS FACTORY**

10<sup>th</sup> Of Ramadan, Egypt Owner Olympic Group Services

- Full engineering service
- 125 Million EGP
- Ideal electronic company desired to build a factory cooker in 10th of Ramadan, so they specified 2 zones with total area 52,000m2
- The project consists of 2 building the factory with total area 32,000 m2 with 1 floor height and the administration building with 4 floors height with total area 3,000m2 delta.









## **IDEAL FACTORY**

10th of Ramadan Egypt Owner

Delta electrical appliance company

#### Services

- Full engineering service
- 153 Million EGP

#### **Engineering challenge**

The internal engineering design to suit the installation of the special machines in the production line and its compatibility with the installation site at the same time was the attention of the board of the factory and we received a appreciation for this wonderful work.

- Ideal for electronic appliance desired to build a factory for refrigerators and washing machine in 10th of Ramadan, so they specified 2 zones with total area 90,000m2
- The project consists of 2 building the factory with total area 43,366 m2 with 1 floor height and the administration building with 4 floors height with total area 5,811m2 delta.





### **ENGINEERING CHALLENGE**







## **CARTON FACTORY**

#### 10<sup>th</sup> Of Ramadan, Egypt

**Owner** Cairo Advanced Industries Co.

#### Services

- Full engineering service
- 85 Million EGP
- Delta electrical company desired to build a factory producing carton packages in 10th of Ramadan, with total area 92,000m2, the project consists of 2 building the factory with total area 23,000m2 with 1 floor height and the administration building with mezzanine with Total area 5,000m2 delta.







## **FRICOOL FACTORIES**

Egypt Owner Fricool Company Services

- Full engineering service
- 40 Million EGP
- The first factory has a total buildings area 9,000m2, divided into 1 floor, 3 floors for the factory and 4 floors administration building, The second factory total buildings area 1,500m2 divided into 3 floor for the factory and 4 floors its office building







## **ROCHEM INSPECTORS**

Free Zone, Suez Canal, EGYPT Owner ROCHEM INSPECTORS

**Green Challenge** Warehouse and Administration Building

The project consists of:

- One administration building
- Two warehouses

The project is designed to be green certified regarding savings in energy, water, and environmental impact.

#### Services

- Full engineering services
- Value engineering







## **INFRASTRUCTURE - ENERGY PROJECTS**







## ZAFARANA WIND POWER PLANT PROJECT - 120 MW

Zafarana , Egypt Owner Kinden Cooperation Company Services

- Design of civil works- site supervision
- Bill of quantities
- 15 Million USD







## GULF OF EL-ZAYT WIND FARM 200 MW TENDER PROJECT

Gulf El Zayat, Egypt Owner Sgurr Energy Services

- Design review
- 30 Million USD







## DERNAH WIND FARM PROJECT, LIBYA

Dernah, Libya Owner El-Sewedy For Wind Energy Generation Company Services • Design of civil works & roads

5 Million USD



No.	Projects	Owner	Scope of Work / Cost
1	Service station for Agriculture Equipment Mansoura.	Mr. Abdel Hamid Abou Samra	Preliminary drawings
2	Reclamation of 20.000 Feddans. Cairo / Fayoum Road South of October City.	Nauf Co. for Agric. Develop.	<ul> <li>Preliminary Study</li> <li>Water resources</li> <li>Preliminary drawings</li> <li>Infrastructure drawings (Irrigation, Roads, elec) Sepc. &amp; Tender documents</li> </ul>
3	Rainfall Villages Abou Daghar - Hager El Dabia - El Ababda & El Shakhaira.	General Organization for Water and Sewage.	<ul> <li>Geotechnical &amp; Surveying studies Full engineering services for the water &amp; Sewage Network and Treatment with oxidation bond.</li> <li>Sepcs. &amp; Tend er documents</li> </ul>
4	1 St. Industrial Region Kena Government.	General Organization for water and sewage	<ul> <li>Geotechnical &amp; Surveying studiesWater &amp;</li> <li>Sewage Networks</li> <li>Sewage Treatment Plant.</li> </ul>
5	Dammat Village in El Gharbia Governorate.	General Organization for Water and Sewage	- Geotechnical & Surveying studies. Sewage Networks and Pumping Stations.
6	Madamoud Village Luxor.	General Organization for Water and Sewage	- Geotechnical & Surveying studiesWater Network & Elevated tank 300m2
7	Ground Water Tank 3000 m3 El Fayoum.	El Nasr for Civil Works.	- Preparing Arch. & Struc. Drawings.
8	EL Moltaka El Araby.	Almaza R.E.D. Co.	Pump station & raising Main & sewage system, Stabilizing Soil Report.
9	Improving Nasr city sewers network stage (2)	General organization for sanitary drainage of Great Cairo (ElNasr for Civil works).	- Geotechnical & Surveying studies. Execution & Details drawing for sewers manholes, intersection (Roads & Metro)
10	Sewage network – Dakalt Village- Kafr El Sheikh.	General organization for water and sewage.	Preparing working drawings for sewage network, pumping station, Bill of quantities. Architectural and structural work for the stations.
11	Elmanzala Swage Network – Tokh – EL- Kalubaya.	Sewage and Water management Arab Contractor.	Check Drawings Preparing Shop drawings Preparing As Built Drawings.
12	Tawi – Oman Sewerage Network and Treatment.	Sultanate of Oman Ministry of Regional Municipalities Environment & Water.	-Design Networks and Treatment plant.
13	Hima – Oman Sewerage Network and Treatment.	Sultanate of Oman Ministry of Regional Municipalities Environment & Water.	-Design Networks and Treatment plant





# HOUSE OF EXPERTS

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