



## SUPERIOR SERVICES

# "THINK DIFFERENT

## BE CREATIVE"

IN STATE OF THE OWNER

## MISSION

"ADEC" founding partners in consort with its associate consultants are committed to engineering, technical, and design solutions that are responsive to our clients' needs in an innovative, cost effective, professional, quality service manner. We will accomplish this by utilizing our common values and in achieving our business objective of having you as a satisfied client. In this context we empower our associates and employees to provide unparalleled and unrestrained service to our clients.

## VISION

To be a world-class engineering firm recognized for excellence and innovation.

## **ABOUT ADEC**

"ADEC" Arab Designers - Engineering Consultants Company is a multidisciplinary engineering and consultancy firm that utilises highly qualified engineers for delivering superior service in the most efficient way, for the shared benefit of our clients, shareholders and employees.

Throughout our history, we demonstrated high technical expertise associated with exquisite quality, relying on the vast experience of its key personnel and professional staff as well.

"ADEC" has the experience and knowledge to deliver projects' engineering and design of various fields and industries, such as residential and commercial complexes, high-rise buildings, industrial facilities, energy plants, oil and gas, utilities, and infra-structure projects.

We continually look for talented, ambitious and experienced individuals to join our team.

## **CORE VALUES**

#### INTEGRITY

We employ the highest ethical standards and believe that our continued success is based upon sustaining the relationships that keep our business growing. We believe that open and honest communication is vital to the lasting success of the firm.

#### EFFICIENCY

We remain accountable to our clients for the efficient execution of any project. We will work to identify and execute cost savings wherever we can.

#### TEAMWORK



We believe that an open culture characterized by mutual respect, sharing of ideas and a commitment to common goals contributes to the overall productivity of our firm. Our philosophy is that each team member plays an important role in our company by providing individual expertise and a distinctive perspective to each project that they are involved in.

#### PROFESSIONALISM

in providing professional service we are dedicated to competence, dependability and excellence. We believe that our projects are a reflection of who we are as a company.



## **CUSTOMER SERVICE**

We are dedicated to not only achieving, but exceeding, client expectations. Through a strong commitment to the above values, Rempel Engineering strives to set ourselves above the rest.

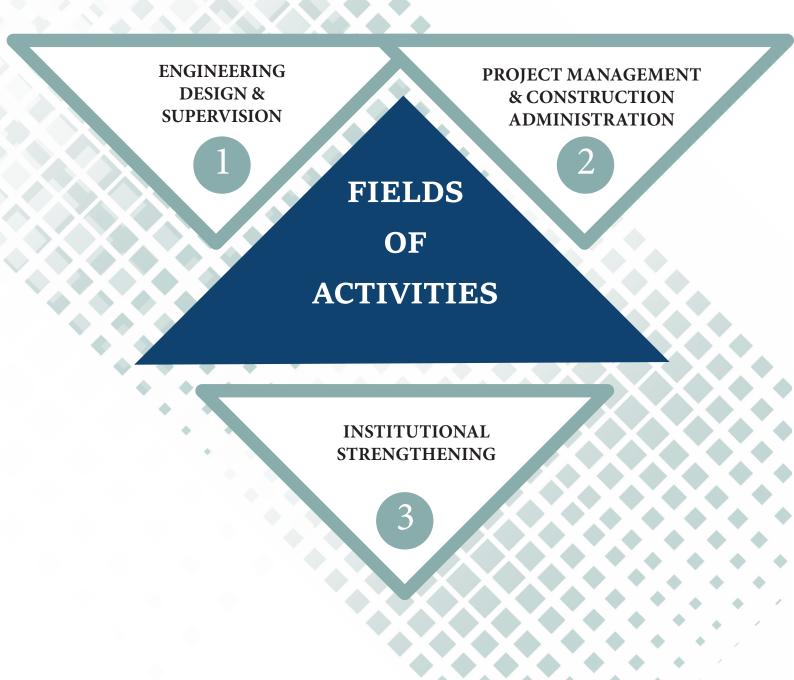
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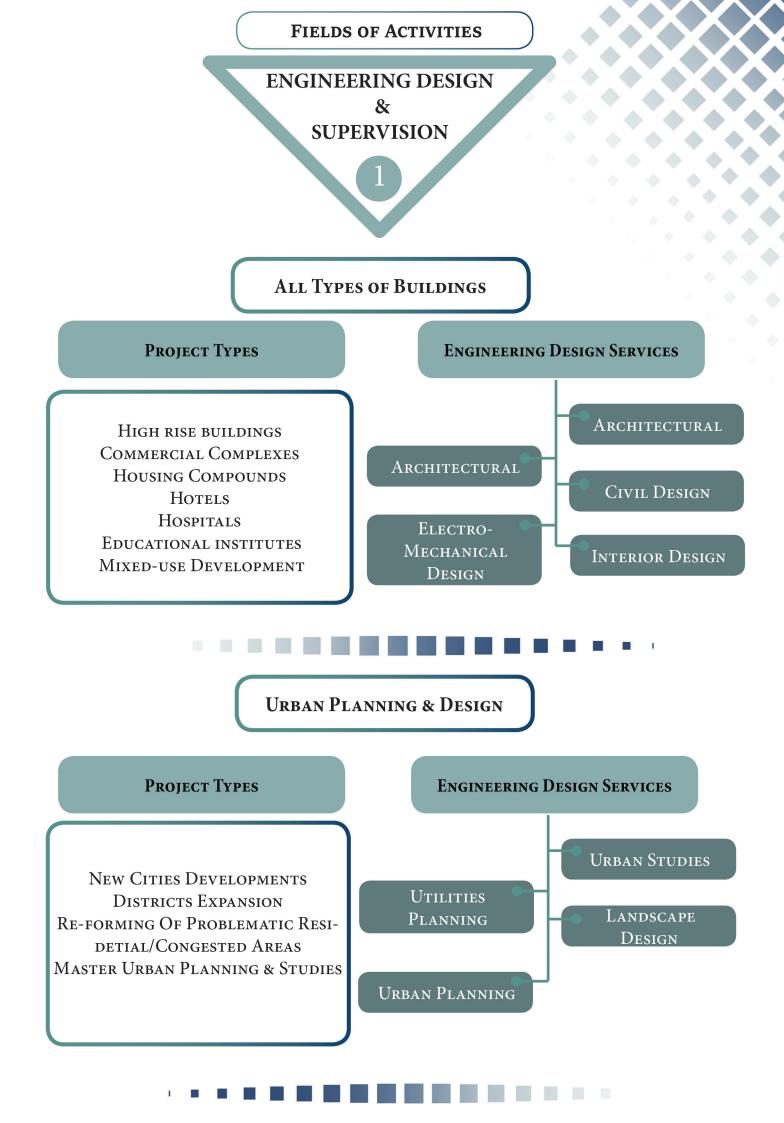


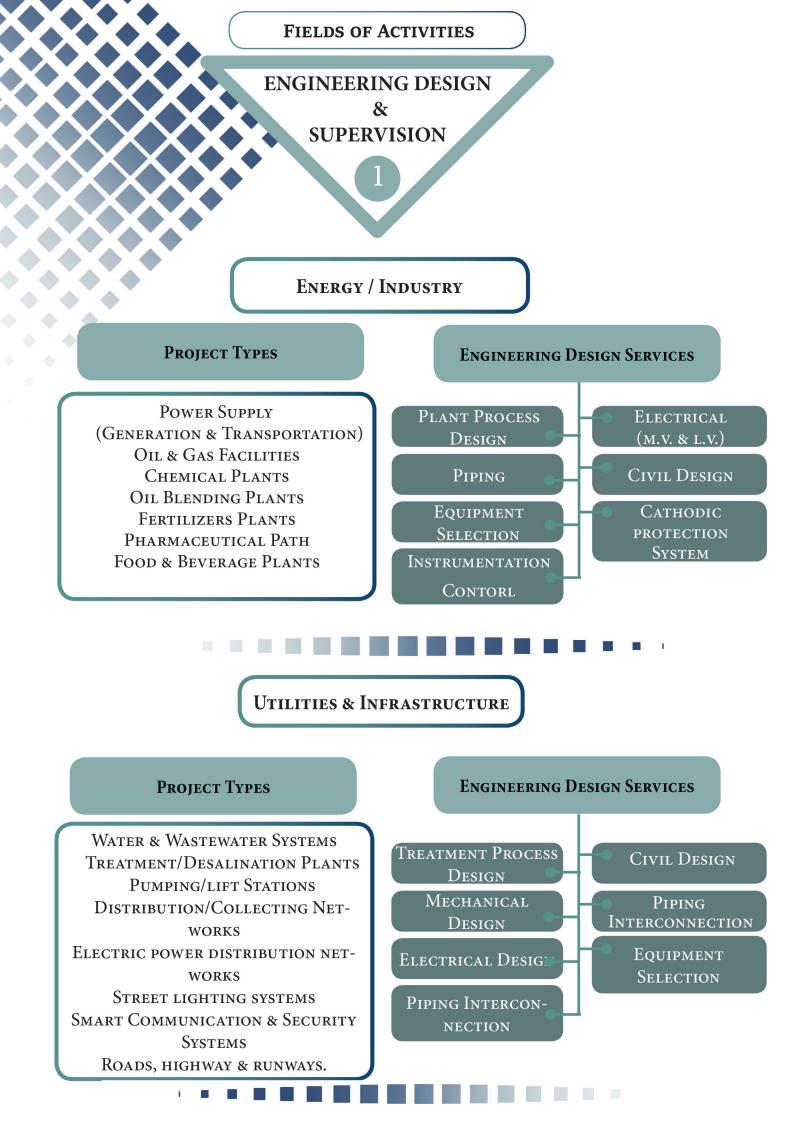


## FIELDS OF ACTIVITIES

Innovative engineering solutions are essential for today's state-of-the-art facilities. Our interdisciplinary team work collaboratively with clients to achieve responsive integrated solutions to create flexible, efficient, and cost effective environments.







## PROCESS DESIGN SPECIALITIES

#### BIM Building Information Modelling

Utilizing Autodesk Building Systems and Revit throughout the organization for a variety of highly-complex projects has promoted a new dimension in project delivery. ADEC has the ability to model differentiating design contingencies, allowing better coordinated design efforts, real-time collision detection and interference resolution prior to construction issuance, thus, maintaining budget and construction schedules with reduced field coordination efforts.

## Energy Efficiency Studies

Following LEED certification perquisites, ADEC utilises the full potential of energy simulations to accurately estimate the building energy requirements. In doing so, our engineering take informed decisions to achieve more efficient building systems.

#### CGI Animation - Virtual / Augmented Reality

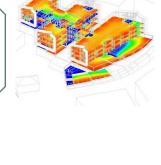
Contemporary Architecture visualisations are increasingly adopting advanced technologies that allow architects to better communicate their designs to clients. ADEC follows this rising trend by using computer generated imagery and virtual reality for in-site walk-throughs, as well as augmented reality models for architecture model presentation.

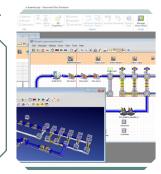
#### Process Simulation, Industrial and Optimisation

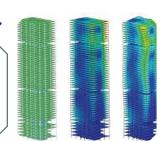
ADEC analysts follow all aspects of simulation and optimization technology for Industry and Infrastructure. Automated creation of engineering deliverables like process flow diagrams, piping and instrument diagrams, and equipment data sheets greatly simplify the handover between project engineering groups and ultimately to the owner-operator.

#### Seismic Analysis

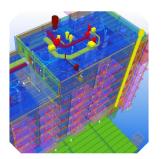
ADEC provides comprehensive coverage, from seismology to seismic control Also, we present outlines explicit steps for seismic analysis of MDOF systems with multi support excitations by using MATLAB, SAP2000 and ABAQUAS in solving projects problems.











#### **FIELDS OF ACTIVITIES**

#### PROJECT MANAGEMENT & CONSTRUCTION ADMINISTRATION

#### **PROJECT MANAGEMENT**

ADEC has strong long experiences in managing different types and volumes of projects. Within this regard, the project management services are starting from the very early project planning stage and would last till the commissioning/inauguration of the project , including financial / closure.

QUALITY

PM offered Services:

- Design Management Stage
- Tender Stage
- Construction Stage
- Post-construction Stage
- Arbitration

#### CONSTRUCTION ADMINISTRATION

"ADEC" provides comprehensive services to public and private clients from conceptual design through project design, and construction administration and inspection. Our firm provides construction administration and inspection services including acting as the Owner's Representative for various construction projects. Our firm brings unique expertise and capabilities to each project, including an excellent track record in planning, design, construction administration, and full-time, on-site inspection services.

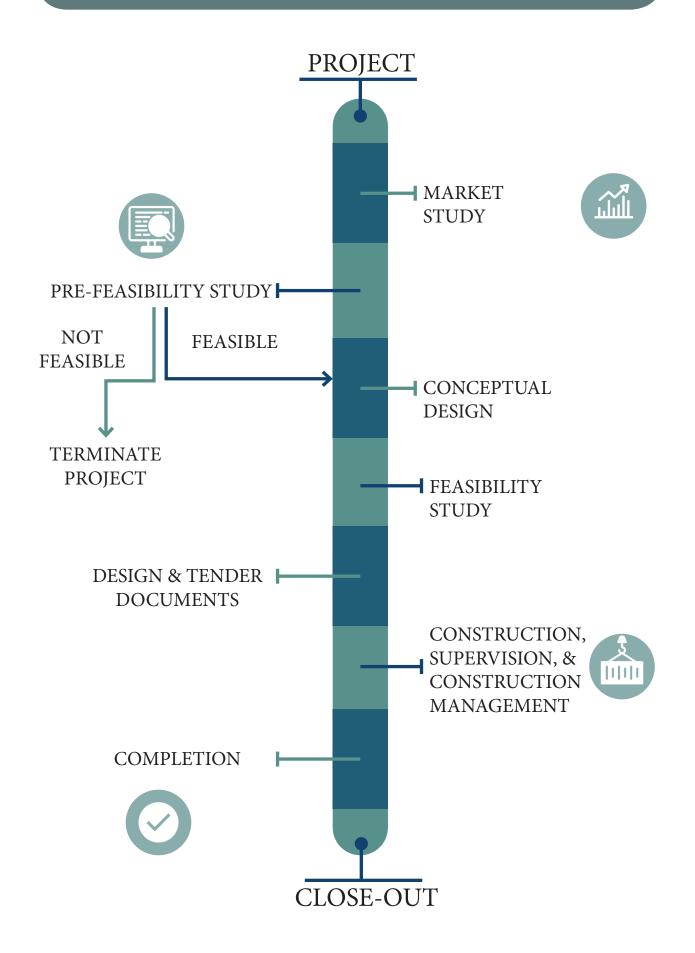
During the construction phase of a project we provide close supervision and related services to coordinate the project with the Owner, Design Professionals and Sub consultants. Our Project Engineers oversee a contractor's work to ensure proper construction techniques, materials, equipment, and personnel are employed throughout the duration of the project and monitor the contractor's progress and compliance with the Contract Documents. Our firm provides a close review of a contractor's sequence of operations and progress schedule to ensure the successful and timely completion of the project.

#### INSTITUTIONAL STRENGTHENING

ADEC Provides technical, legislative, Social, Economic, on the job training & Capacity Building Programs. These programs are tailored and/or customised to meet the client requirements. Off the shelf training programs:

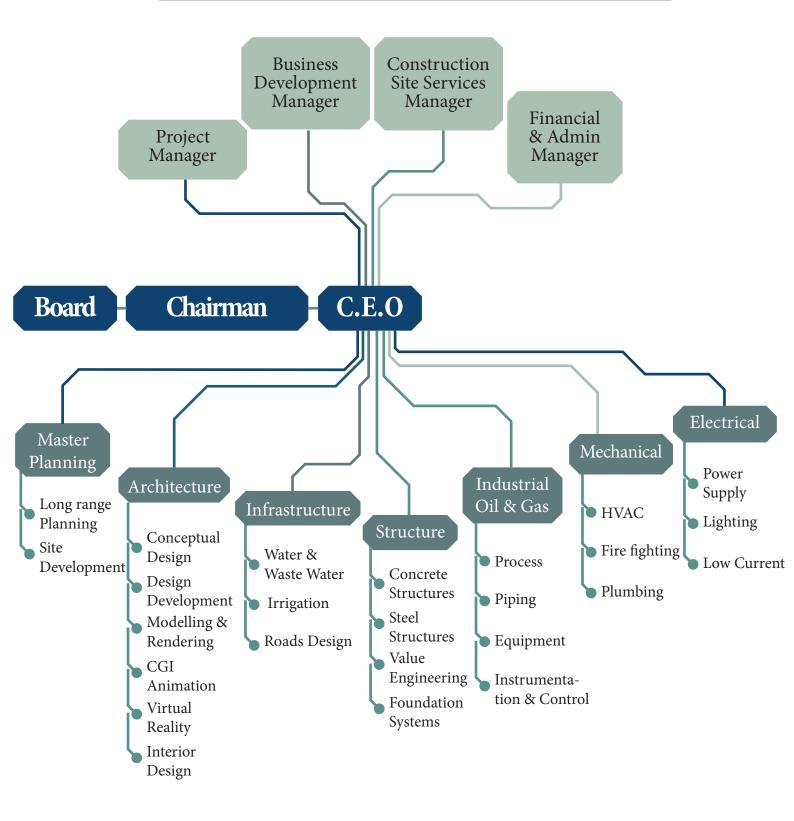
- Building Capacities & Institutional Strengthening
- Social Studies
- Economical Management

## **EVOLUTION OF PROJECT IMPLEMENTATION**





## ORGANISATIONAL CHART



# SELECTED DROJECTS

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Owner: Ministry of Civil Aviation

"Master Planning of the Cairo Cloud Project which is located in a very prime location in Heliopolis, Cairo, it is a new town of an area of about 4,500,000 m2 with all required facilities for a complete town"

GOING GREEN IS AN IMPERATIVE, NOT A DESIGN FAD 

An unprecedent addition to Cairo Cloud is a Tropical Dome that offers a unique experience for the first time in the Middle East

Urban

Planning





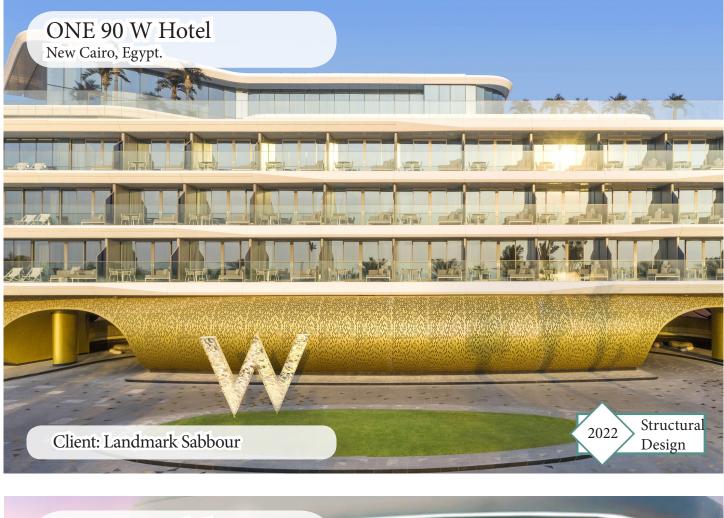








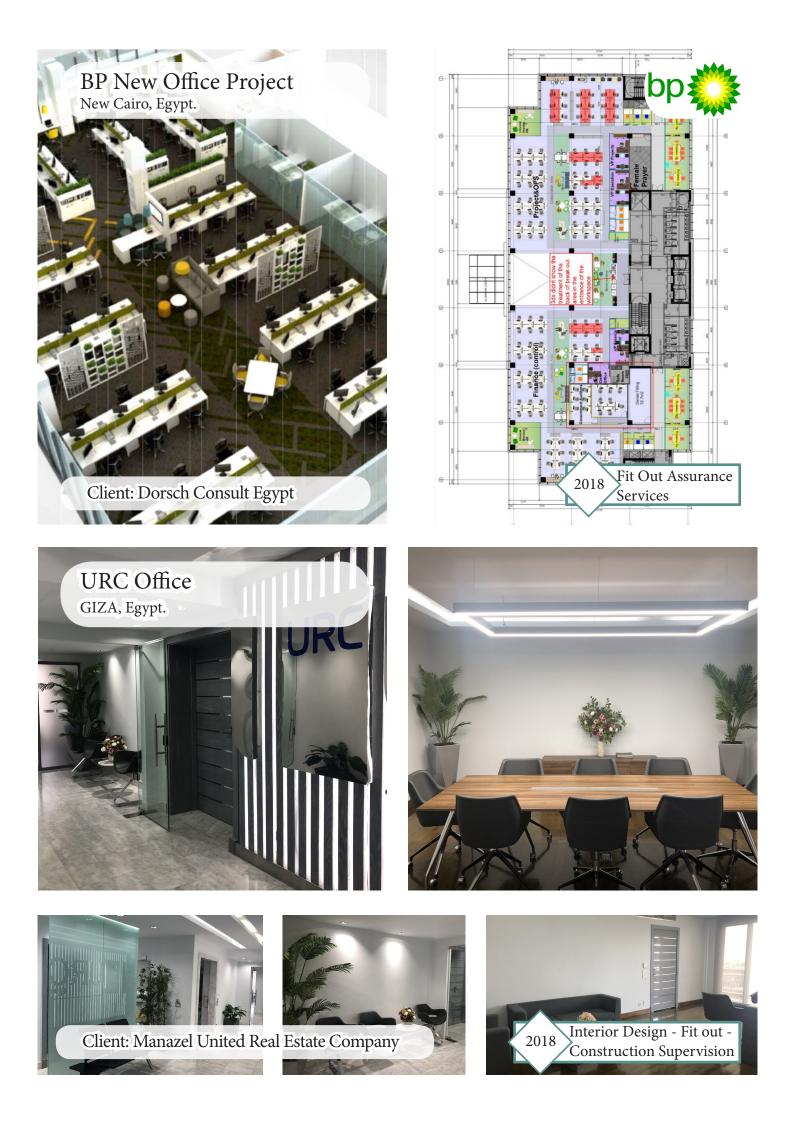














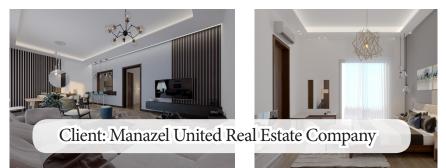




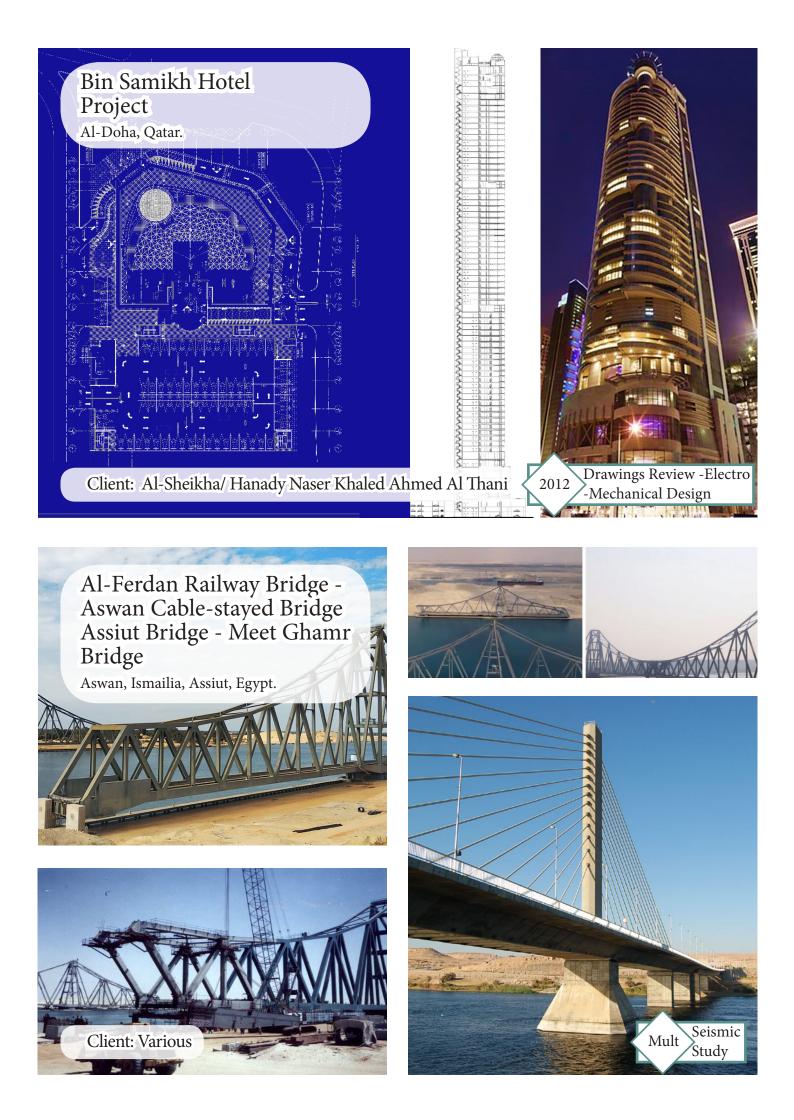


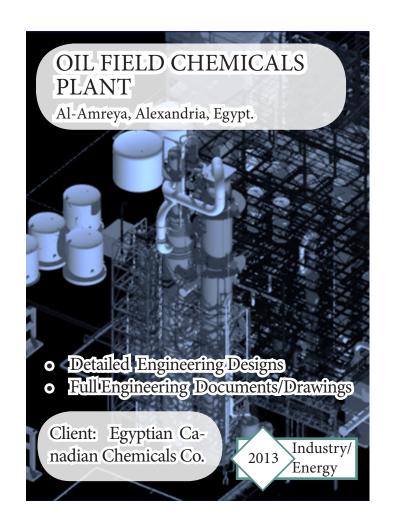








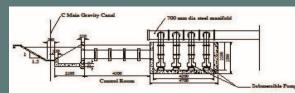




Development of Irrigation Infrastructure for Agricultural Production for Export

Ghana.





- Inlet & Outlet Structures
- PumpStationIntakeSump Arrangement
- Electromechanical Schematic Design and Specs

Industry/

Energy

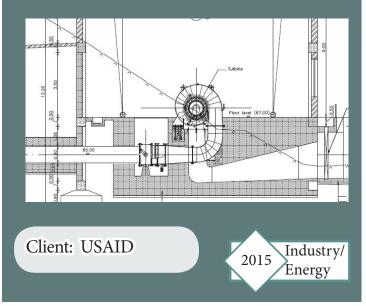
2021

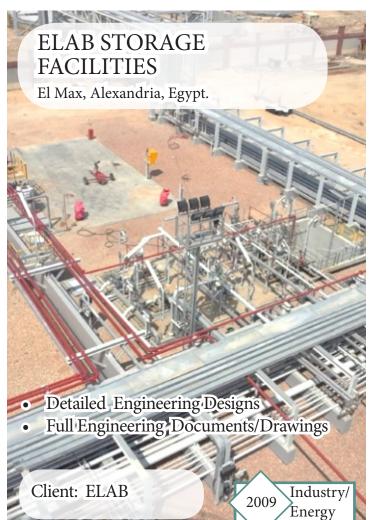
Client: Construction Contractor Consultants Consortium – GWWS

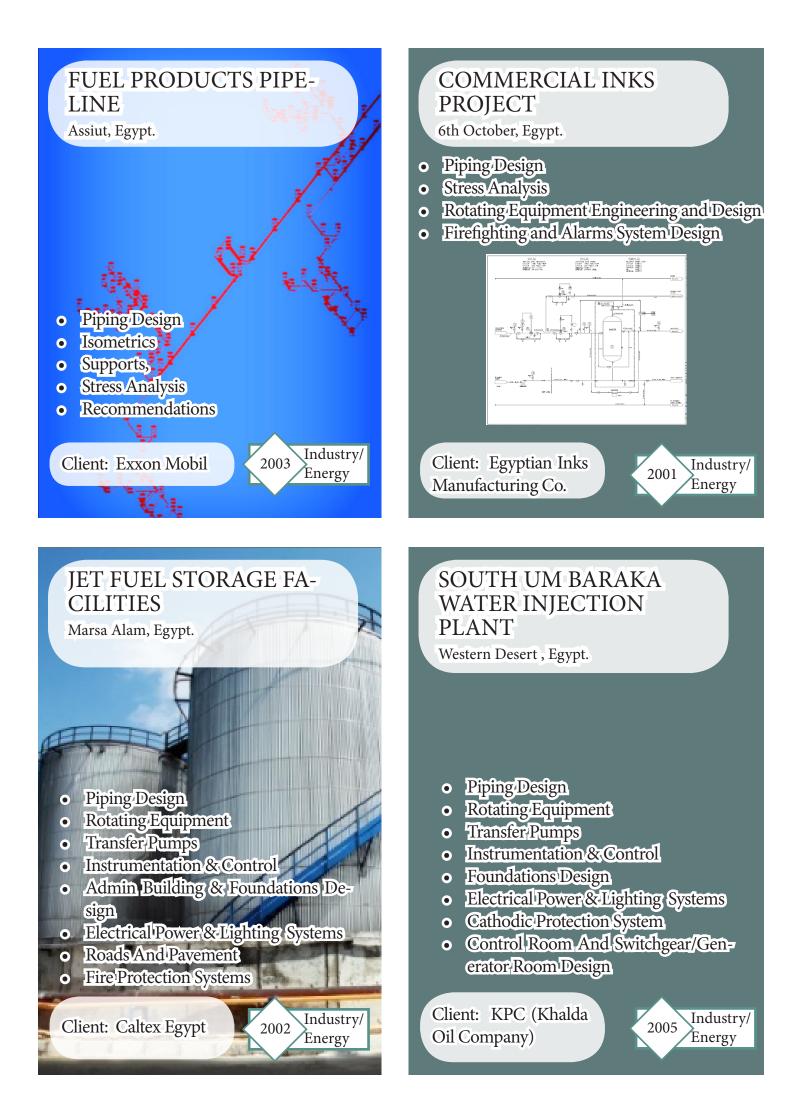
## HYDRO PLANT PROJECT

Liberia.

- Electromechanical Works Design
- Construction Review









- al Drainage, Compressed Air)
- Fire Protection
- **Electrical Power Supply**, 0
- Plant Lighting Plants' Fences 0
- Cathodic Protection •
- Roads •

SPC (Syrian Client: Petroleum Company)



Client: Egyptian Beverages Company

• Firefighting And

Utilities

• Electric Power And

Alarms System Design



Industry/ 2000 Energy





### WATER AND WASTEWA-TER MAIN PUMPING STATIONS Libya, Egypt, KSA.



## EGYPT TEMARCO ROSE COASTAL VILLAGE

Ras-Sudr, Gulf of Suez, Egypt.



- Water Supply System
- Sewerage System:
- Lift Stations
- Force Mains And Treatment Plant
- Swimming Pools
- Power Supply And Distribution
- Street Lighting System
- Telecommunications System

Client: GID Architectural Office



## **ABUL-MAKHADEG BAY RESORT WORKS**

Abul-Makhadeg Bay, Hurghada, Egypt

- Water Supply System 0
- o Firefighting Water Systems
- Wastewater Collection Network, Lift Stations, Force-Mains And Treatment Plant
- Irrigation Water System
- Power Supply And Distribution System 0
- Street Lighting Network And Landscape Illumination System
- Buildings Hvac Systems
- Building Electric Power And Lighting 0
- Telecommunications And Security Systems.

Client:Cleopatra Group



## AL-MA'ALAM TOWER

Al-Khobar, Eastern Province, Saudi Arabia.

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- Pumping Station 0
- Pressure Pipeline And Water Storage Tanks
- Hvac System.
- o Firefighting And Plumbing System
- Electric Power Supply System Itighting Systems (Internal And External)
- o Grounding And Lightning Arrestors Systems
- Telecommunications And Security 0 Systems.

Utilities

Infrastr.

2001

Client: Saud-Consult

HIGH CLASS MARINAS

Egypt, Oman, Montenegro



- Water supply
- Firefighting system
- Boats fuel storage and supply system 0
- Sewage collection and pumping 0 system
- Powersupplysystem-Sitelighting

**1**00 000

o Tele-communication system

Client: ECMA







CLIENT LIST

**ADEC** Clients range from International Organizations, Governmental Entities, Multi-National Contracting Firms to various National Corporations.

This diversity has provided ADEC with a competitive edge and the Experience to develop distinguished performance in different fields of its activities.



No.	Year	Project	Engineering Services	Client/ Location
1.	2021	Cairo Cloud Project, Heliopolis, Cairo , Egypt.	Master Planning of the Cairo Cloud Project which is located at a very prime location in Heliopolis, Cairo, it is a new town of an area of about 4,500,000 m2 with all required facilities and utilities	Egypt
2.	2021	Dandy Mall	Modifications to install new Smoke Evacuation System. Architectural, Structural, HVAC, Electrical, adding mechanical rooms, ducting spaces, power supply, control and monitoring system. All in accordance to the NFPA and local codes. Building public spaces, routings and circulation have been primarily considered	Dandy Mall, Giza, Egypt
3.	2021	Marina 2, El Gouna, Red Sea, Egypt	Utilities, Mechanical and Electrical Engineering Designs.The capacity of the Marina is around 310 boats docking places and connections for utilities: power supply, lighting, potable water, Internet access, sewerage disposal and fuelling station dock	ECMA, Cairo

No.	Year	Project	Engineering Services	Client/ Location
4.	2021	New Electrical Cables Factory in Sadat City, Egypt	Architecture, mechanical and electrical, Landscape as well as layout planning were studied and developed to suit Client's requirements	Electro Cable Egyptian Company, Egypt
5.	2020	One 90 Project W Hotel & Branded Apartments	Structural Engineering Design of the project buildings, including, Sub structure and superstructure	Landmark Sabbour, New Cairo, Egypt
6.	2018	British Petroleum New Office Building At CFC, New Cairo	The Design Assurance Report of the Design Development Stage covers the Engineering consultancy services	(DCE) Dorsch Consult Egypt
7.	2016	Avaris Park Mall	Complete engineering design and supervision of all disciplines and systems for the complex	Manazel United Real Estate Investment Co. SAE (MUREC)
8.	2016	Avaris Park Compound Mock-Up Apartments & Sales Centre	Complete engineering services (interior design and construction supervision) of the Avaris Park Residential Compound's Apartments' Mock-ups and Sales Centre.	Manazel United Real Estate Investment Co. SAE (MUREC)
9.	2016	Hydro Plant, Liberia	The design review, modifications and construction drawings preparation for the full electro-mechanical scope	USAID - Liberian Energy Sector Support Program/ UIP (United Infrastructures Projects)

No.	Year	Project	Engineering Services	Client/ Location
10.	2016	Kuwait Institute For Scientific Research	Hydraulic design, Civil design of lift station and seabed chamber, Mechanical design works including pipelines and seawater pumps, Elec. design works including power supply, control system and area lighting	ECMA, Kuwait
11.	2014	Potable Water And Wastewater Systems Assessment Studies	Field investigations, technical/financial assessments and reporting	Red Sea Major Resort city
12.	2013	Oil Field Chemicals Plant	Piping, mechanical and instrumentation Detailed Design, Procurement & Tendering Documents Preparation	Canadian Oilfields chemicals company, El- Amereya, Alexandria
13.	2013	Export Oil Pipeline	Detailed engineering designs and documents preparation	South Annajma Oil Field – Sudan
14.	2012	Export Oil Pipeline, Storage Tank And Pumping Station	Detailed design, Procurement & Tendering Documents Preparation	Staroil company
15.	2009	ELAB Storage Facilities	Detailed design and Tender documents preparation	Petromaint, Egypt
16.	2007	New Nodal Gas Compression & Separation	Detailed engineering designs and documents	WASCO (Wastani Oil Company)Wast ani Gas Field, Nile Delta, Egypt

No.	Year	Project	Engineering Services	Client/ Location
17.	2005	South Um Baraka Water Injection Plant	Detailed Engineering designs and documents.	Khalda Oil Fields, Western Desert – Egypt
18.	2003	Fuel Products Pipeline, Assiut Depot.	Piping design and Technical Specification	Mobil Oil Egypt
19.	2002-2016	High Class Marinas- Egypt, Oman, Montenegro & KSA	The full design and tender documents of all mechanical and electrical works of the marinas and harbours	ECMA-Egypt
20.	2002	Jet Fuel Storage Facilities For Marsa Alam Airport	Concept, FEED and detailed design	Caltex Egypt
21.	2002	Aswan Cable-Stayed Bridge, Seismic Experts	Structure design	Aswan, Egypt
22.	2001	Commercial Inks Project - 6 <sup>th</sup> Of October Industrial City	Piping & Firefighting design, tender documents preparation	Egyptian Inks Manufacturing Company, Egypt
23.	2001	El Ferdan Railway Swing Bridge Over Suez Canal, Seismic Experts	Seismic Study Analysis	Ismailia, Egypt
24.	2000	Tanta Pepsi Plant	Detailed Electromechanical Works design	Egyptian Beverages company
25.	2000	Al-Nakhil City Potable Water Network, Sewage And Rainwater Drainage System And Firefighting Network	Electro mechanical detailed designs	OUD, Oriental Urban Developers, Egypt
26.	2000	Abul-Makhadeg Bay Resort Works Al Wahdan Car Factory	Engineering studies and design for the electromechanical works of 16 hotels, entertainment/residentia l and service buildings Detailed design	Cleopatra Group, Abul- Makhadeg Bay, Hurghada, Red Sea- Egypt Wahdan

No.	Year	Project	Engineering Services	Client/ Location
28.	1999	Green Heart Twin Tunnel, For The Belgian Besix	Structure design	BESIX, Netherlands
29.	1999	Al-Ain Al-Sokhna Port Platform	Structure design	Egypt
30.	1998 till 2012	Potable Water Storage Tanks (Ground And Elevated) And Main Pumping Stations	Mechanical and Electrical Detailed Design and Procurement documents & Support	Rural and coastal resorts, Egypt.
31.	1998 till 2001	Alexandria, Northern Upper Egypt W&WW Companies . Capacity Building and Technical Training/ Awareness Of Staff	Training courses, hands on training, field visits, awareness Engineering and O&M techniques	NOPWASD / USAID
32.	1998	El-Salam Siphons Tunnels Beneath Suez Canal	Structure design	BESIX, Egypt
33.	1998	Zefta – Meet Ghamr Bridge	Seismic study Analysis	Egypt
34.	1998	Assiut Bridge Over The Nile	Seismic study Analysis	Assiut, Egypt.
35.	1997 till 2001	Wastewater Pumping Stations And Treatment Plants	Mechanical and Electrical Detailed Design and Tender Documents Preparation	Rural cities villages and coastal resorts, Egypt
36.	1997	Arab Contractors Center For Research & Labs	Structure design	Egypt
37.	1997	Alexandria Library	Structure design	Egypt
38.	1996	Potatoes Refrigerator And Underground Water Tank For Chipsy Factory	Detailed design	Chipsy, Egypt
39.	1996	Diving Pool Of The Ministry Of Interiors	Detailed design	Arab Contractors Co., Egypt

No.	Year	Project	Engineering Services	Client/ Location
40.	1995 till 2006	20 Institutional and Educational Buildings Located At Fayoum, Benisuif And Behaira Governorates	Detailed design	Al-Azhar Institutes, Egypt
41.	1995	Golden Foods Factory	Detailed design	Golden Foods, Egypt
42.	1995	Faculty Of House Affairs And Economy "Commercial Centre", Helwan University	Detailed design	Helwan University, Egypt
43.	1994	Juhayna Storage Building	Detailed design	Juhayna Company, Egypt
44.	1994	Underground Water Tanks And Elevated Tank At, Sheikh Zayed, Giza	Detailed design	NOPWASD, Egypt
45.	1993	Elevated Tank At Mecca	Structure design	Mecca Municipality, KSA
46.	1993	The Method Of Statement For The Repair And Support Of Heliopolis Sheraton Hotel	Structure design	Egypt
47.	1986	Mansoura Stadium Design	Review and Approval	Mansoura University, Egypt

## NEC HOW TO REACH US

## MAIN OFFICE

#### **SMART VILLAGE**

KM28 CAIRO-ALEX DESERT ROAD B115, SECOND FLOOR, 6TH OF OCTOBER, CAIRO, EGYPT. Tel#: +201270661182

## **CAIRO OFFICE**

#### GARDEN CITY

46 KASR EL-AINI STREET, FLAT 7, CAIRO, EGYPT TEL: +2027943303

#### **DUBAI OFFICE**

BURJ KHALIFA NCP LIMITED BUILDING, OFFICE NO. 204 TEL: +971 52 665 4199

