



# MISR CONSULT

## HOUSE OF EXPERTISE

INTEGRATED ENGINEERING FIRM





**Misr Consult (MC)**, an Engineering House of Expertise, is one of the leading and pioneering multidisciplinary engineering consultancy firms in **Egypt since 1986** with a vast experience in Infrastructure planning, design and development of Roads, Water, Wastewater, Electrical and Telecommunication networks. In addition to potable water treatment, desalination, wastewater and industrial waste plants. MC also specialized in Environmental studies, solid waste management and MEP services for buildings, hospitals, swimming pools, artificial lakes and lagoons.

Over a course of a distinguished 36-year track record, MC has successfully undertaken more than 1500 projects and has had a clear contribution with more than 1400 projects in the revitalization of architectural and structural growth in Egypt , and more than 50 project in Saudi Arabia , and more than 38 projects in United Arab of Emiratis While it's operations extending to other countries such as Sudan, Libya, Morocco, Oman, Qatar, Iran, Syria, Nigeria, Yemen, Bahrein and Algeria.



ISO 9001:2015



ISO 14001:2015

## OUR MISSION

MC is committed to providing excellence in engineering consulting and integrated managements services to government and private sector institutions, locally and internationally. We strive to exceed the expectations of our clients through exemplary professional and technical services with continuous quality improvement.

## OUR VALUES

Misr Consult is committed to build a reputable engineering team that has the expertise for executing every project with ultimate success and total client satisfaction. The management team is committed to create innovative and encouraging environment where each individual's contribution is recognized and valued, also allowing our team to achieve our vision «The right quality, at right time»

## QUALITY ASSURANCE

Misr Consult is committed to provide high quality services that meet or exceed the requirements and expectations of our customers and adheres to statutory and regulatory requirements.

**Our objective to achieve this is:**

Peruse and focus on identifying opportunities for continuous improvement to our quality and management processes.

Full commitment to implementing Quality Management System at all levels.

Planning the proper training required that enables each employee to do their job right the first time and every time.

## FOUNDERS MESSAGE

We, at MC, are committed to combine between efficiency and innovation and between delivering sustainable quality in every project, whether it is a big city cultural development or a small residential project. What's important for us is to understand our client's goals and aspirations and offer innovative diverse engineering solutions to achieve them in conformity with international standards while preserving the surrounding environment and cultural coordination.

In that sense, we are proud of our team of more than 400 experts, consultants, engineers, technicians and administrators, whom we believe are our true treasure.

And thus we strive to offer them the opportunities to implement their cumulative expertise and creativity to serve our society with the highest standards of integrity and professional commitment.

We are keen to share these experiences with our younger and future generations through continuous training and development opportunities and cohesiveness of past generations to ensure continuity of MC in performing its work with the highest sustainable quality.

Our goal is to work constantly to raise our local and regional classification among the other leading consulting engineering companies through the exchange of experiences and joint work with international companies and keeping abreast of the latest technologies and full commitment to ethics and international quality standards and systems.

*Prof. Dr. Sameh Abdel-Gawad*

## PROF. DR. SAMEH ABDEL-GAWAD

### Founder & Chairman



Dr. Sameh Abdel-Gawad is the founder of Misr Consult, an Egyptian Consultancy Company that was established in Egypt in 1986. He is also the General Manager and Partner of Marafek Consult in UAE.

Dr. Abdel-Gawad has over 45 years of technical and managerial experience in the fields of Engineering Design and Site Supervision in the implementation of infrastructure projects, which include potable water purification plants and networks, sewage treatment plants and networks, desalination plants, irrigation and drainage systems and networks, solid waste management systems as well as environmental studies and MEP for residential, commercial and touristic projects.

Dr. Abdel-Gawad graduated from Cairo University in 1974 holding a BA with honors in Civil Engineering. He also holds a PhD in Civil Engineering from the University of Windsor, Canada in 1983. In addition, he is the professor of Environmental Hydraulics at the Faculty of Engineering, Cairo University since 1995. Dr. Abdel-Gawad is a certified Consultant Engineer for all major Egyptian organizations for water and wastewater projects (NOPWASD, CAPWO, HCWW, NUCA, EEAA)



## ENG. ADEL ABDEL-LATIF

### Vice Chairman & Partner

Eng. Adel Abdel Latif is considered one of the main pillars of MC. He started with Misr Consult Egypt since 1988 and has accumulated more than 35 years of experience in all plumbing system design (water – sewage – fire – gases) in addition to swimming pools, lagoons, water network, wastewater network, irrigation network, fire network, desalination plants and waste water treatment plants.

Eng. Abdel-Latif graduated from Ain Sham University in 1986 holding a BA in Civil Engineering. He also acquired his Consultant Engineer certification in the field of Water and Wastewater from the Egyptian Engineering Syndicate in 2002.



## ENG. AHMED ABDEL-GAWAD

### Managing Director & Partner

Eng. Abd El Gawad graduated from Ain Shams University in 1995 holding a BA in Civil Engineering. He has a master degree in Industrial Wastewater Treatment Technologies from Cairo University in 2002.

Eng. Abd El Gawad is a member in the International Desalination Association as an expert in the design of Seawater/Brackish water RO systems. He is also a certified International Project Management expert.

Eng. Ahmed Abd El Gawad is the the Managing Director of Marafek Consult Office in UAE. He joined MC in 1995 and has accumulated more than 25 years of experience in the fields of Water, Wastewater & Infrastructure Networks in Egypt, KSA and Gulf region.



## ENG. AHMED SEERA

### Managing Director & Partner

Eng. Ahmed Seera joined MC in 1998 and has accumulated more than 25 years of experience in the fields of Water, Wastewater & Infrastructure Networks in Egypt, KSA and Gulf region.

Eng. Seera graduated from Cairo University in 1998 holding a BA. in Civil Engineering. He is also a certified MBA holder since 2013 and acquired his Consultant Engineer certification in the field of Water and Wastewater from the Egyptian Engineering Syndicate in 2019. He is a professional member in the Egyptian Water Partnership since 2018, Professional Engineer in Saudi Council of Engineers since 2013, and a member of the Federation of Arab Engineers since 2012.

Eng. Seera successfully achieved a world recognition and international award from Genius record, ENR and CFI for managing and supervising mega projects in Egypt as the world's best treatment and desalination plants in 2019, 2020, 2021 in addition to the largest water transmission lines.



## PROF. DR. MOHAMED ATTIA

### Technical Director & Board Member

Dr. Mohamed Attia joined MC in 2007 and has accumulated more than 20 years of experience in the fields of design and supervision of infrastructure projects. He has significantly contributed to the majority of water and wastewater projects of MC Egypt.

Dr. Attia graduated from Cairo University in 1999 holding a BA with honors in Civil Engineering. He also holds a PhD in Civil Engineering from Cairo University in 2010. In addition, he is an Associate Professor of Hydraulics at the Faculty of Engineering, Cairo University.

He acquired his Consultant Engineer certification in the field of designing concrete structures from the Egyptian Engineering Syndicate in 2015.



## ENG. MEDHAT MABROUK

### Electromechanical Director & Board Member

Eng. Medhat Mabrouk leads the Electromechanical department at MC Egypt. He joined MC in 2008 and has accumulated more than 20 years of experience in the fields of Electromechanical and Infrastructure networks in Egypt and the Gulf region.

Eng. Mabrouk graduated from Helwan University in 2002 holding a BA in Electrical Engineering. He acquired his Consultant Engineer certification in the field of Electrical Power from the Egyptian Engineering Syndicate in 2018.



## MRS. MYE ABDEL-GAWAD

### Corporate Services Managing Director & Partner

Mrs. Mye Abdel-Gawad is managing the back office support functions: Human Resources, Finance, Information Technology and Administration departments. She joined MC in 2014 and has more than 20 years of multinational and regional hands on experience.

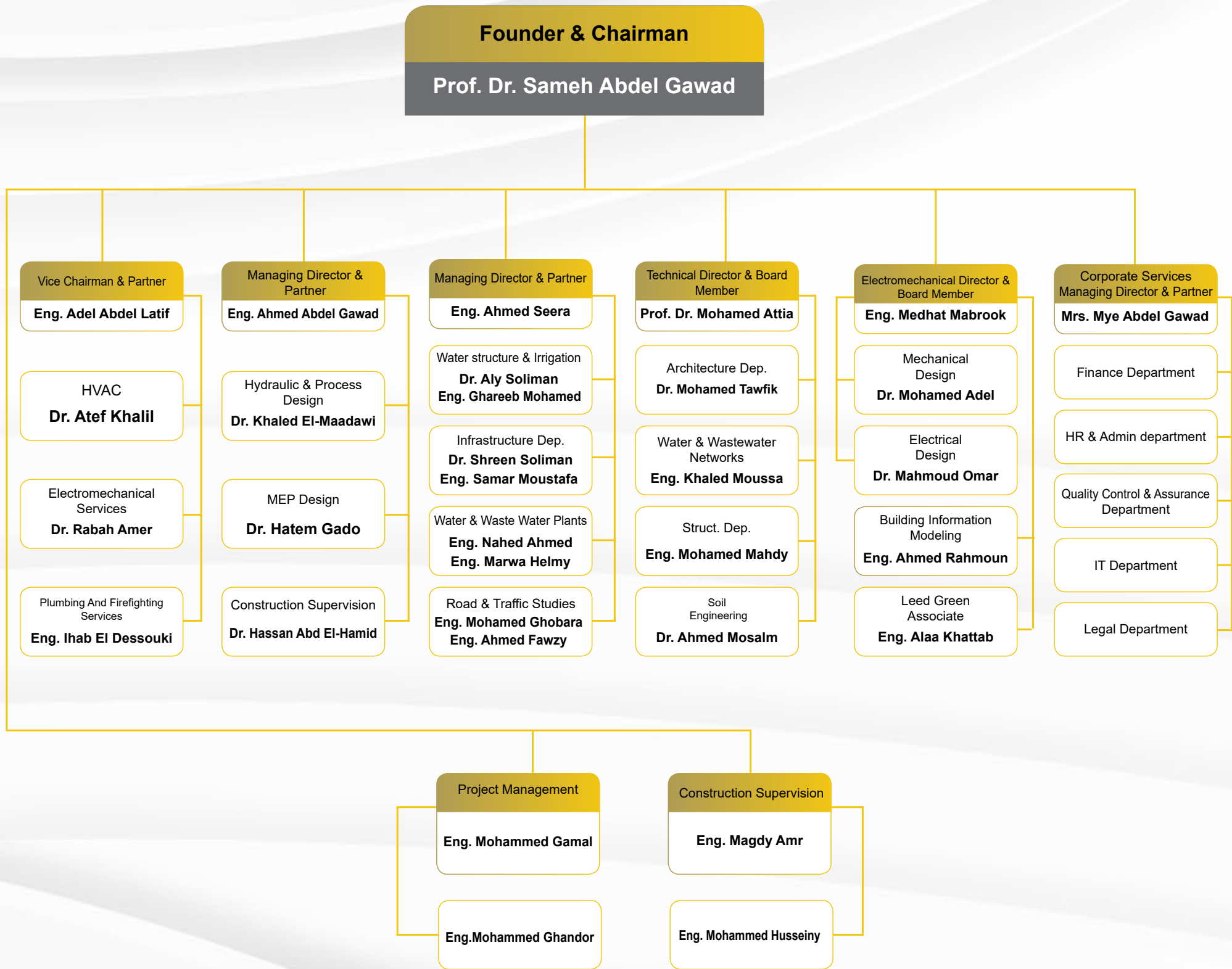
Prior to that, Mrs. Abdel-Gawad was the HR Manager at PepsiCo International in Egypt for 12 years including 4 years as a Regional Compensation & Benefits Manager for the North Africa Region.

Mrs. Abdel-Gawad graduated from Cairo University, Faculty of English Commerce in 1999 holding a BA in Accounting and acquired her PHR Diploma from the United States in 2000. She is also a certified soft skills trainer.





# MISR CONSULT ORGANIZATION CHART



# 527 PROFESSIONAL



# YEARS OF EXPERIENCE

37

YEARS OF EXPERIENCE

8.000 KM  
of Water  
Transmission  
lines, force  
main & Gravity  
lines

20 Hotels

250.000  
feddan  
Infrastructure  
&  
Development

More than  
200 different  
Environments  
Studies

500 KM of  
International  
Highway  
Roads

200.000 m3/  
day Treated  
Industrial  
Water

100 Projects  
of Residential  
Compounds  
& Touristic  
Resorts

26.000.000 m3/  
day Irrigation &  
Reclamation  
Water  
1 million feddan  
Reclamation  
projects

750.000  
m3/ day  
Desalinated  
Water

150 Projects  
of Mixed use  
Developments

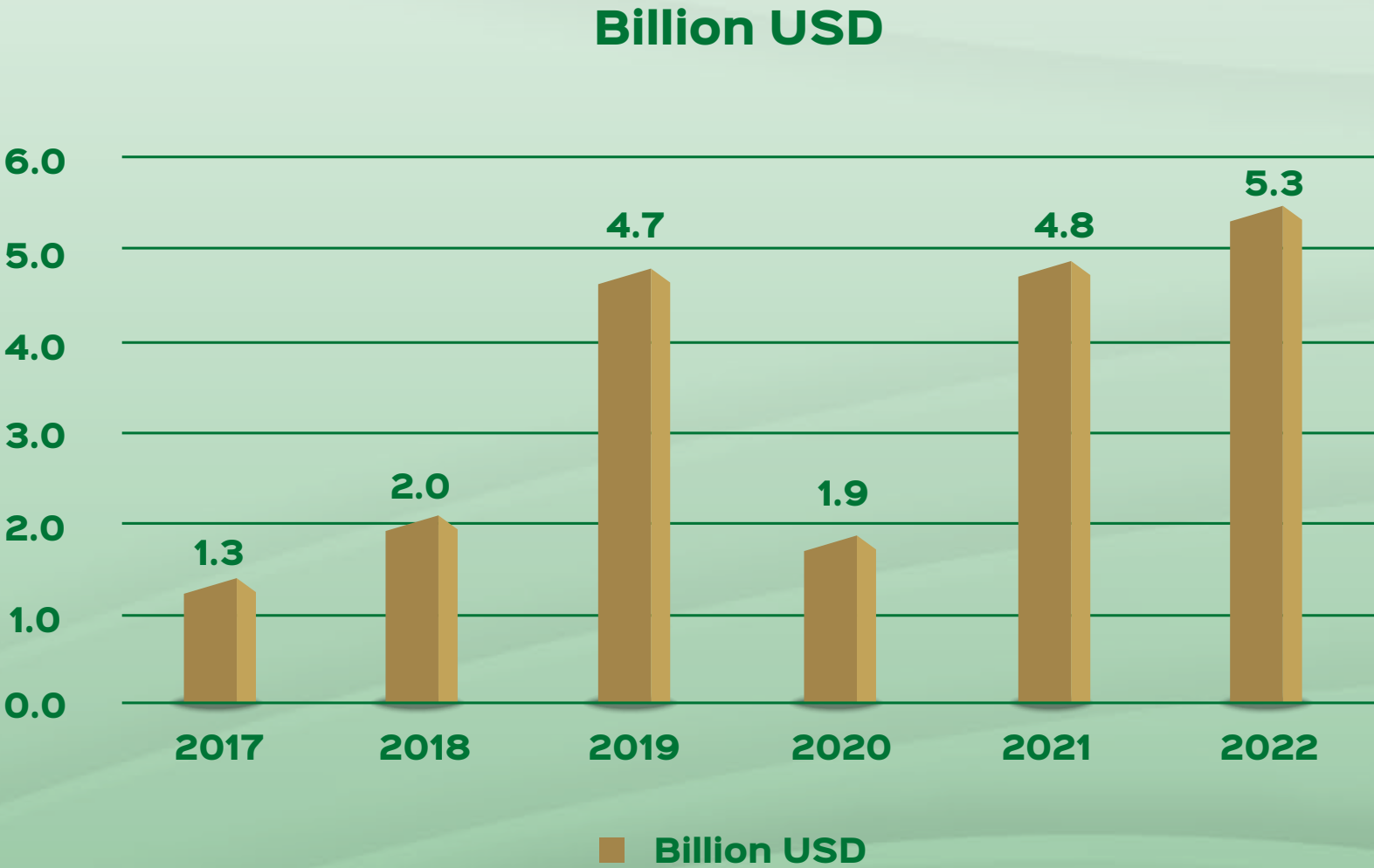
8000  
Hospital  
Beds

25  
Sports Clubs  
& Centers

7.000.000 m3/  
day Treated  
Wastewater  
(TSE)

5.000.000  
m3/day  
Treated  
potable  
water

# TOTAL PROJECTS VALUES THAT MC HAS ACQUIRED IN THE LAST 6 YEARS



37

Years of Experience

Operating in  
13

Countries in the Region

More than  
50

project in Saudi Arabia

More than  
38

projects in UAE



**Egypt**  
**+1400**  
**Project**

**Saudi Arabia**  
**+50**  
**Project**

**UAE**  
**+38**  
**Project**

**Morocco**  
**Algeria**  
**Nigeria**

**Libya**  
**Sudan**  
**Syria**

**Iran**  
**Oman**  
**Yamen**

**Qatar**  
**Bahrein**



Projects Location by MC



# INTERNATIONAL ALLIANCES IN TECHNOLOGY TRANSFER



**OUR PROJECTS ACHIEVED  
INTERNATIONAL AWARDS**

# EL MAHSAMA

WASTEWATER PLANT WITH CAPACITY  
OF 1,000,000 M3/DAY (ENR).



Dubai | 2019



USA | 2020



**CAPITALFINANCE**  
INTERNATIONAL

UK | 2020

# AL ALAMEIN

SWRO DESALINATION PLANT  
CAPACITY 150000 M3/DAY (ENR).



**ENR**  
Engineering News-Record  
USA | 2021



# BAHR AL BAQAR WASTEWATER TREATMENT PLANT

## 5.6 MILLION M3/DAY





# VALUABLES CLIENTS AND SUCCESS PARTNERS





# **WATER TRANSMISSION LINES**





# 6<sup>TH</sup> OCTOBER CITY

## WATER INTAKE, BOOSTERS, AND RAW WATER TRANSMISSION LINE TO WATER PURIFICATION PLANT WITH CAPACITY 1,700,000 M3/DAY

Country:	Egypt
Client:	Orascom Construction & HA Construction (Hassan Allam) (Joint Venture) For Construction Authority for Potable Water and Wastewater
Project Value:	2.154 Billion EGP
Owner:	6 <sup>th</sup> Of October City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2009 - 2012

Project Description:	<p>This Project includes Construction of 1.7 million m<sup>3</sup> per day water transmission line to supply the 6th of October City Potable Water Treatment plant with raw water, including:</p> <ul style="list-style-type: none"> <li>■ Design of 40 kilometer steel pipeline with a 2200 mm diameter,</li> <li>■ Design of 78 kilometer RC pipeline 2200 mm diameter,</li> <li>■ Design of (7) crosses for the pipelines,</li> <li>■ Design of Nile intake with a capacity 1,700,000 m3/day,</li> <li>■ Design of two booster stations with a capacity of 1,700,000 m3/day,</li> <li>■ Design of control and monitoring system along the 3 pipelines by SCADA systems,</li> </ul>
Services provided by MC	<ul style="list-style-type: none"> <li>■ Design of two water hammer systems, and mechanical screen.</li> <li>■ Design calculations and detailed drawings.</li> <li>■ Preparation of tender documents.</li> </ul>





# WAAD EL SHAMAL PROJECT- KSA

## TREATED WATER TRANSMISSION LINES WITH A LENGTH OF 470 KM

Country:	Saudi Arabia
Client:	SNC Lavalin International INC- Egypt
Project Value:	610,391,916 USD
Owner:	National Water Company NWC- Waad Al Shamal City
Start/End date:	Nov 2017- Sep2019
Project Description:	<p>Design services for LOT1 &amp; LOT2 for Waad El Shamal city - KSA Project which consists of Water transmission lines, 7 pumping stations</p> <p>The objective of this project to</p> <ul style="list-style-type: none"><li>■ Treated water is pumped through three transmission lines to WAS polishing plant with a total length of 470 KM and a diameter of 1200 mm.</li><li>■ Pump treated water from three areas (Arar, Shaka and Turaif) with capacity of (2,500 m<sup>3</sup>/h, 2,500 m<sup>3</sup>/h and 750 m<sup>3</sup>/h, respectively.</li><li>■ Intermediate booster pumps are added to the transmission line to provide the required head from source to end point to overcome the extreme variation of the ground level from 548 to 905 m.</li><li>■ Hydraulic design steady state analysis transient analysis, Pipeline, Mechanical, Electrical, Structural, Architectural &amp; Control design.</li><li>■ Mechanical shop drawings, Stress analysis &amp; Management plans (QA/QC) –HSE</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Review of design calculations &amp; detailed drawings</li><li>■ Review of Project documentations</li><li>■ Preparation of work shop drawings &amp; As-built drawings.</li><li>■ Technical support during construction.</li></ul>





# 10<sup>TH</sup> OF RAMADAN CITY

WATER INTAKE, BOOSTERS AND RAW WATER TRANSMISSION LINE TO WATER PURIFICATION PLANT WITH CAPACITY 600,000 - 1,200,000 M3/DAY.

Country:	Egypt
Client:	Construction Authority for Potable Water and Waste Water
Project Value:	1.8 Billion EGP
Owner:	10 <sup>th</sup> of Ramadan City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2008 - 2012
Project Description:	<ul style="list-style-type: none"><li>■ Intake with 6 pipe lines, each one 1800mm</li><li>■ (1) Booster at Km (11) with capacity 600,000m3/day</li><li>■ Water Purification Plant with capacity 600,000m3/day</li><li>■ 2 transmission pipe lines with diameter 2500mm and length 19km</li><li>■ Gravity line with diameter 1200mm and length 7.5km</li><li>■ Pipe line with diameter 1200mm (6 bar) and length 0.6 km</li><li>■ Pipe line with diameter 1500mm (6 bar) and length 9.3 km</li><li>■ Pipe line with diameter 1400mm (6 bar) and length 9 km</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision</li></ul>



# NEW CAIRO WATER INTAKE

BOOSTERS, AND TRANSMISSION LINE TO NEW CAIRO WATER PURIFICATION PLANT WITH CAPACITY 2,000,000 M3/DAY.

<b>Country:</b>	Egypt
<b>Client:</b>	Nasr Genral Contracting Co.(Hassan Allam) For Construction Authority for Potable Water and Waste Water
<b>Project Value:</b>	1.7 Billion EGP
<b>Owner:</b>	New Cairo City Authority - New Urban Communities Authority (NUCA)
<b>Start/End date:</b>	2007 - 2010
<b>Project Description:</b>	<ul style="list-style-type: none"> <li>■ Nile River intake 2,000,000 m3/day</li> <li>■ (4) Boosters with a capacity of 2,000,000m3/day</li> <li>■ (3) Transmission pipe lines with diameter 2200 mm each and a length 30 km each.</li> </ul>
<b>Services provided by MC</b>	<ul style="list-style-type: none"> <li>■ Review of design calculations &amp; detailed drawings</li> <li>■ Review of Project documentations</li> <li>■ Preparation of work shop drawings &amp; As-built drawings.</li> <li>■ Technical support during construction.</li> </ul>





# NEW ADMINISTRATIVE CAPITAL

RAW WATER 3 TRANSMISSION LINES (WITH A DIAMETER 2200 MM & A LENGTH OF 70 KM EACH) AND WTP 1,500,000 M3/DAY.

Country:	Egypt
Client:	Clients four companies 1- Arab Contractor    2- Orascom 3- Hassan Allam        4- Concord
Project Value:	1.8 Billion EGP
Owner:	New Administrative Capital City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2021 - 2024
Project Description:	<ul style="list-style-type: none"><li>■ Nile offshore intake</li><li>■ 3 boosters with capacity 1,500,000m3/day</li><li>■ Tank Farm with a capacity of 1,500,000 m3?day.</li><li>■ Water Purification Plant with capacity 1,500,000m3/day</li><li>■ 3 transmission pipe lines with diameter 2200mm and length 70 km each.</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Review of design calculations &amp; detailed drawings</li><li>■ Review of Project documentations</li><li>■ Preparation of work shop drawings &amp; As-built drawings.</li><li>■ Technical support during construction.</li></ul>





# ABU OWEIKAL TRANSMISSION

## LINE WITH A TOTAL LENGTH OF 36 KM AND PURIFICATION PLANT

Country:	Egypt
Client:	Construction Authority for Potable Water and Waste Water
Project Value:	1.4 billion EGP
Owner:	Greater Cairo Water Company
Start/End date:	2008 - 2020
Project Description:	<p>Project consists of Intake pump station, booster pump station, Purification plant and two Transmission lines</p> <ul style="list-style-type: none"> <li>■ Intake pump stations include 4 pumps with capacity 2000l / sec and 120 m head</li> <li>■ Booster pump station includes 4 pumps with capacity 2000l /sec and 21 m head</li> <li>■ Water purification plant capacity 500,000 m3/day</li> <li>■ Two Transmission lines with 16 Km length each.</li> <li>■ Each line is of 1400mm diameter and 16 bars operating pressure.</li> </ul>
Services provided by MC	<ul style="list-style-type: none"> <li>■ Design calculations and detailed drawings</li> <li>■ Preparation of tender documents.</li> <li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li> <li>■ Construction supervision.</li> <li>■ ESIA</li> <li>■ Operation &amp; maintenance supervision of water purification plant</li> </ul>





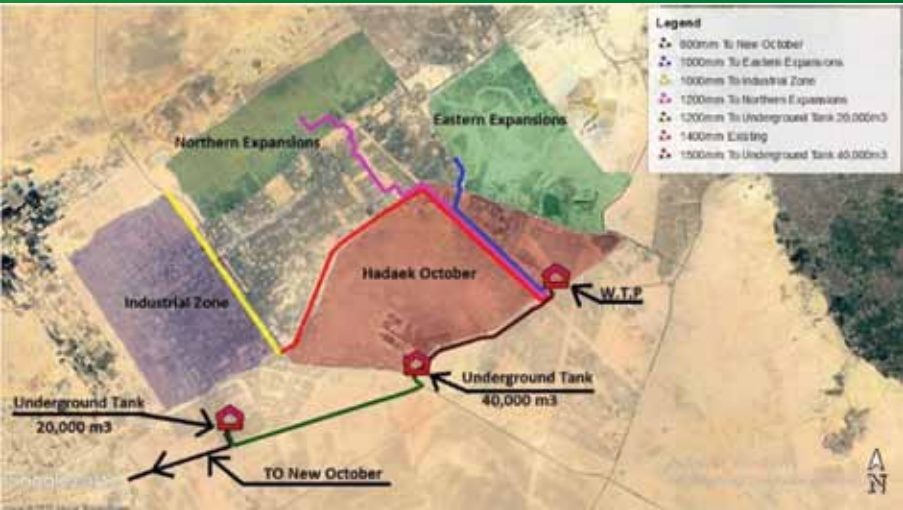
# TRANSMISSION LINE FROM KAFR SOLIMAN

## WATER TREATMENT PLANT TO THE BOOSTER PUMPING STATION AT RAS EL BAR CITY URBAN EXTENSION (IWSP).

Country:	Egypt
Client:	Damietta Potable Water & Wastewater Company
Project Value:	260 Million EGP
Owner:	Damietta Potable Water & Wastewater Company
Start/End date:	2015 - 2022
Project Description:	<ul style="list-style-type: none"><li>■ Transmission line from Kafr Soliman WTP to the Booster Pumping Station at Ras El Bar City Urban Extension Damietta Governorate.</li><li>■ Water supply system to Ras-EL-Bar City, including water transmission line from WTP at Soliman Village to Ras El-Bar City with a diameter of 1000 mm and length of 17 km</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li><li>■ ESIA</li></ul>







# NEW 6<sup>TH</sup> OCTOBER CITY

## POTABLE TREATED WATER MAIN TRANSMISSION LINE TO (NEW 6<sup>TH</sup> OF OCTOBER CITY, OCTOBER GARDENS)

Country:	Egypt
Client:	Construction Authority for Potable Water and Wastewater
Project Value:	3 Billion EGP
Owner:	6th Of October City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2017 - 2020
Project Description:	<p>The project is a study of the distribution of quantities of water produced from different sources in cities (6 October, El-Shakh Zaid, Hadaek October and new October), it also includes the preparation of tender documents for the projects recommended for the study including:</p> <ul style="list-style-type: none"><li>■ Design of 6 kilometer RC pipeline with a 1500 mm diameter to feed Hadek October city from new 6 October WTP,</li><li>■ Design of 4 kilometer RC pipeline with a 1200 mm diameter to feed new October city from new 6 October WTP,</li><li>■ Design of 16 kilometer RC pipeline with a 1200 mm diameter to feed Northern expansions in 6 October city from new 6 October WTP,</li><li>■ Design of 7 kilometer HDPE pipeline with a 1000 mm diameter to feed eastern expansions in 6 October city from new 6 October WTP,</li><li>■ Design of 9 kilometer HDPE pipeline with a 1000 mm diameter to feed industrial zone in 6 October city from new 6 October WTP,</li><li>■ Design of 20 kilometer HDPE pipeline with 800 mm diameter to feed new October city from underground tank in Hadek October city,</li><li>■ Design underground tank capacity 20,000 m3 in Hadek October city,</li><li>■ Design underground tank capacity 40,000 m3 in Hadek October city.</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents</li><li>■ Preparation the water network</li><li>■ hydraulic analysis model to 6october city</li></ul>



# **RECLAMATION & IRRIGATION PROJECTS**

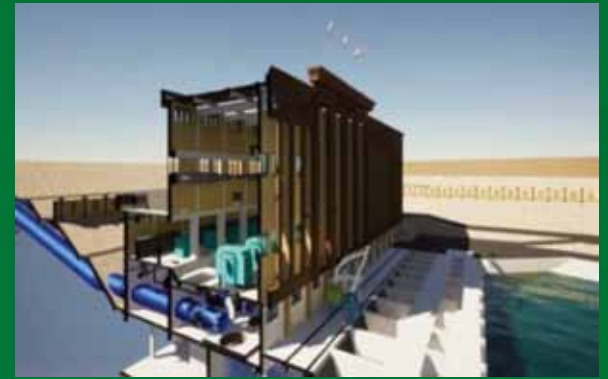


# NEW DELTA PROJECT (MOSTAKBAL MISR)

IRRIGATION WATER TRANSMISSION LINE OF 10 MILLION M3/DAY & MAIN PUMP STATIONS (2,3,4,5,6 )

Country:	Egypt
Client:	<ul style="list-style-type: none"><li>■ Concord Engineering &amp; Contracting Company</li><li>■ Elswed Company</li><li>■ Wahba Contracting Company.</li><li>■ Al-Kawthar Company</li></ul> For Armed Forced Engineering Authority – Water Department
Project Value:	9 Billion EGP
Owner:	Ministry of Water Resources and Irrigation (MWRI)
Start/End date:	2022 - 2024
Project Description:	<ul style="list-style-type: none"><li>■ Nile intake with (5) main pumping stations with capacities (10 million m3/day) per each - to transfer irrigation water from the Rashid Branch till West of the Regional Ring Road and West of Sheikh Zayed City to Mostakbal Misr Reclamation Project.v</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Review of design calculations &amp; detailed drawings</li><li>■ Review of Project documentations</li><li>■ Preparation of work shop drawings &amp; As-built drawings.</li><li>■ Technical support during construction.</li></ul>





# TOSHKA MAIN IRRIGATION PUMP

STATION 1 & 2 WITH CAPACITIES (8.5 & 7 MILLION M3/DAY) FOR TOSHKA RECLAMATION PROJECT.

Country:	Egypt
Client:	Orascom Construction For Armed Forces Engineering Authority – Water Department
Project Value:	1.5 Billion EGP
Owner:	Ministry of Water Resources and Irrigation (MWRI)
Start/End date:	2022 - 2024

## Project Description:

- (2) main pumping stations with capacities (8.5 million m3/day) and (7 million m3/day) - all Hydraulic, Structural Architecture and Electromechanical works

## Services provided by MC

- Review of design calculations & detailed drawings
- Review of Project documentations
- Preparation of work shop drawings & As-built drawings.
- Technical support during construction.



# TOSHKA RECLAMATION PROJECT

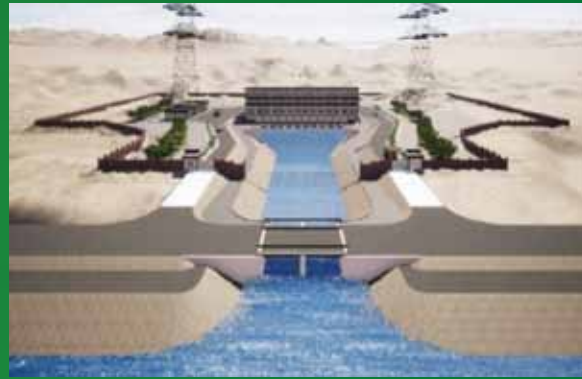
## FOR 395,000 ACERS IN TOSHKA, CANNALS, INTAKES, IRRIGATION NETWORKS

Country:	Egypt
Client:	Ministry of Defense - Armed Forces Engineering Authority - Water Department
Project Value:	40 billion EGP (Phase 1)
Owner:	Watania for Agriculture & Reclamation Desert Land on East Owainat
Start/End date:	2022 - present

Project Description:	<ul style="list-style-type: none"><li>■ Reclamation project for 375000 acres in Toshka</li><li>■ Project consists of 6.2 km canals, 145 pump stations and 1600 km HDPE pipe with diameters from 200 to 1200 mm</li></ul>
----------------------	--

Services provided by MC	<ul style="list-style-type: none"><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li></ul>
-------------------------	--





# NORTH SINAI IRRIGATION PUMP STATION 1 & 2

## WITH A CAPACITY OF 6.5 MILLION M3/DAY EACH

Country:	Egypt
Client:	Comet trading and Engineering Company for Armed Forced Engineering Authority – Water Department
Project Value:	1 Billion EGP
Owner:	Ministry of Water Resources and Irrigation (MWRI)
Start/End date:	2021 - 2023
Project Description:	<ul style="list-style-type: none"> <li>■ (2) main pumping stations with capacities (6.5 million m3/day) to pump the treated effluent water for irrigation to Sinai reclamation Project</li> <li>■ All Hydraulic, Structural Architecture and Electromechanical works</li> </ul>
Services provided by MC	<ul style="list-style-type: none"> <li>■ Review of design calculations &amp; detailed drawings</li> <li>■ Review of Project documentations</li> <li>■ Preparation of work shop drawings &amp; As-built drawings.</li> <li>■ Technical support during construction.</li> </ul>







# TREATED WASTEWATER TRANSMISSION LINE

## FROM 6<sup>TH</sup> OF OCTOBER TO GANNA ZONE - 6<sup>TH</sup> OCTOBER CITY

<b>Country:</b>	Egypt
<b>Client:</b>	October Gardens City Authority - New Urban Communities Authority (NUCA)
<b>Project Value:</b>	450 Million EGP
<b>Owner:</b>	October Gardens City Authority - New Urban Communities Authority (NUCA)
<b>Start/End date:</b>	2021 - 2022
<b>Project Description:</b>	The project is the preparation of design and tender documents for 17 kilometer HDPE pipe line with a 1000 mm diameter to transfer 90,000 m3/day Treated Sewage from Hadaek Tertiary treatment for wastewater to Ganna zone Treated produced water will be used in irrigation
<b>Services provided by MC</b>	<ul style="list-style-type: none"> <li>■ Design calculations and detailed drawings</li> <li>■ Preparation of tender documents.</li> </ul>



# **R.O. DESALINATION PLANTS**



# AL ALAMEIN

SWRO DESALINATION PLANT CAPACITY 150000 M3/DAY (ENR).

Country:	Egypt
Client:	Aqualia - FCC
Project Value:	2,160 Million EGP
Owner:	Ministry of Defense - Armed Forces Engineering Authority- Water Department
Start/End date:	2017 - 2019

## Project Description:

- New Alamein Sea Water Desalination Plant with capacity 150,000m3/day
- (D & B contract)
- Design and build contract for a sea water intake and RO desalination plant with capacity of 150.000 m3/day upgradable to 300.000 m3/day

## Services provided by MC

- The project was a design & build project
- Detailed Design (Hydraulic, Mechanical, Electrical, Structural, architectural, MEP)
  - Preparation of work shop drawings & As-built drawings.
  - Technical support during construction.



**ENR**  
Engineering News-Record

USA | 2021

Awards ENR Global Best Projects 2020

**Award of Merit,  
Water/Wastewater: El Alamein  
Desalinization Plant**





# NEW MANSURA DESALINATION

## PLANT 80,000 EXTENDABLE TO 160,000 M3/DAY.

Country:	Egypt
Client:	HA Construction (Hassan Allam)
Project Value:	750 Million EGP
Owner:	New Mansoura City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2019 - 2021
Project Description:	<ul style="list-style-type: none"><li>■ (D &amp; B contract) Phase (1) 40,000m3/day</li><li>■ Architectural drawings</li><li>■ Roads work</li><li>■ Landscape work and coordination within the plant.</li><li>■ MEP for Buildings.</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of work shop drawings &amp; As-built drawings.</li><li>■ Technical support during construction.</li></ul>





# EAST MATROUH (AL REEMILA) DESALINATION PLANT

## WITH A CAPACITY OF (65,000 M3/DAY) EXPANDABLE TO (130,000 M3/DAY)

Country:	Egypt
Client:	Ministry of Defense- Armed Forces Engineering Authority- Water Department for National Authority for Potable Water and Sewage (NOPWASD)
Project Value:	2.2 Billion EGP
Owner:	Matrouh Potable Water & Sanitation Company
Start/End date:	2021 - Present

### Project Description:

Construction of East Matrouh Seawater Reverse Osmosis Desalination Plant with a capacity of 65,000 m3/day extended to (130,000 m3/day)  
 The project is located at Marsa Matrouh City on the coast of the Mediterranean Sea.

**The project is divided into 3 parts:**

1. Existing desalination plant.
2. the plant under construction (East Matrouh Seawater Reverse Osmosis Desalination Plant (65,000 m3/day)
3. Future extension of our plant ((Increasing the plant capacity from 65,000 to 130,000 m3/day.

### Services provided by MC

- Review of design calculations & detailed drawings
- Review of Project documentations
- Review, Approval of shop drawings, technical submittals & As-built drawings.
- Construction supervision.







# SAFAGA SWRO DESALINATION PLANT EXTENSION FROM 6000 TO 10,000 M3/DAY.

Country:	Egypt
Client:	National Authority For Potable Water and Sewage
Project Value:	32 Million EGP
Owner:	Red Sea Potable Water & Wastewater Company
Start/End date:	2012 - 2014

## Project Description:

- Offshore pipe intake with a diameter of 800mm (HDPE)
- Executed by HDD (Horizontal Directional Drilling)
- Capacity 6,000 m3/day
- Reject line with a diameter of 800 mm
- Product water tank with volume of 1000 m3

## Services provided by MC

- Design calculations and detailed drawings
- Preparation of work shop drawings & As-built drawings.
- Technical support during construction.





# MARSA ALAM DESALINATION PLANT

## 3000 M3/DAY – 10,000 M3/DAY

Country:	Egypt
Client:	Red Sea Housing Authority-Central Agency for Reconstruction- Ministry Of Housing, Utilities & Urban Development
Project Value:	35 Million EGP
Owner:	Red Sea Potable Water & Wastewater Company
Start/End date:	2009 - 2012

### Project Description:

- Building a new desalination plant with capacity 3000 m3/day upgradable to 10.000 m3/day
- Offshore pipe intake with a diameter of 630 mm (HDPE)
- Executed by HDD (Horizontal Directional Drilling)
- Capacity 3,000 m3/day extendable to 10,000 m3/day
- Reject line with a diameter of 630 mm

### Services provided by MC

- Design calculations and detailed drawings
- Preparation of tender documents.
- Review, Approval of shop drawings, technical submittals & As-built drawings.
- Construction supervision.



# **WASTEWATER / AGRICULTURE TREATMENT PLANTS AND MAIN SEWAGE LINE**





# EL MAHSAMA

## WASTEWATER PLANT WITH CAPACITY OF 1,000,000 M3/DAY (ENR).



UK | 2020



USA | 2020



Dubai | 2019



Country:	Egypt
Client:	JV (HA construction & Metito) For Ministry of Defense Engineering Authority Water department
Project Value:	1.2 Billion EGP
Owner:	Ministry of Water Resources and Irrigation
Start/End date:	2016 - 2020

### Project Description:

Al Mahsama Agriculture WWTP with a capacity of 1,000,000m3/day has won (Engineering News Record ENR) for the year 2020

#### The project scope consists of:

Architectural & Structural work, Hydraulic works for wastewater & storm drainage networks, water, firefighting & Irrigation networks, MEP work for service buildings and internal roads network. carried out under the Public Private Partnership Program for the development of Infra-structure (PPP) in the country Wastewater Treatment Plant

### Services provided by MC

- The project was a design & build project - Detailed Design (Hydraulic, Mechanical, Electrical, Structural, architectural, MEP)
- Preparation of work shop drawings & As-built drawings.
  - Technical support during construction.







# BAHR AL BAQAR WASTEWATER TREATMENT PLANT

## 5.6 MILLION M3/DAY

Country:	Egypt
Client:	Orascom Construction
Project Value:	17 Billion EGP
Owner:	Ministry of Defense - Armed Forces Engineering Authority- Military Works Department
Start/End date:	2021



### Project Description:

- Largest agricultural wastewater treatment plant worldwide for Bahr Al Baqar drainage
- Tertiary treated effluent for irrigation purposes in Sinai development project
- Largest Capacity worldwide
- Largest Ozone disinfection
- Largest solar sludge drying system

### Services provided by MC

- Pre tender study for design optimization
- Design verification and prepare project validation report to get Guinness Records as the largest Sludge Treatment Plant





# ABU RAWASH

## REHABILITATION & UPGRADE OF ABU RAWASH WASTEWATER TREATMENT PLANT PROJECT WITH A CAPACITY OF 1.6 MILLION M3/DAY EXTENDABLE TO 2,000,000 M3/DAY

Country:	Egypt
Client:	Orascom Construction & Aqualia JV For Construction Authority for Potable Water and Wastewater (CAPW)
Project Value:	3.5 Billion EGP
Owner:	Giza Potable Water & Wastewater Company
Start/End date:	2018 - 2022

Project Description:	<ul style="list-style-type: none"><li>■ Upgrading and rehabilitation of the existing wastewater treatment plant with capacity 1,200,000m3/day</li><li>■ Extension works for the WWTP with capacity 400,000m3/day to reach total capacity 1,600,000m3/day (Secondary treatment)</li></ul>
----------------------	--

Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculation and detailed design</li><li>■ Preparation of work shop drawings &amp; As-built drawings.</li><li>■ Technical support during construction.</li></ul>
-------------------------	--







# NEW ALAMEIN

WWTP CAPACITY 360,000 M3/DAY – PHASE 1 - 90,000M3/DAY.

Country:	Egypt
Client:	Orascom Construction & Metito JV
Project Value:	1.1 Billion EGP
Owner:	New Alamein City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2020 - 2022
Project Description:	Tertiary treatment for waste water treatment Plant with capacity (90,000m3/day) Treated Sewage Effluent re-use for irrigation

## Services provided by MC

- Design calculations and detailed drawings
- Preparation of tender documents.
- Review, Approval of shop drawings, technical submittals & As-built drawings.
- Construction supervision.



# EL MAHALLA EL KOBRA

## WASTEWATER PLANT 280,000 M3/DAY

Country:	Egypt
Client:	National Authority For Potable Water and Sewage
Project Value:	1.68 Billion
Owner:	Gharbia Potable Water & Sanitation Company
Start/End date:	2008 - 2010

Project Description:	<p>The project consists of design review, preparation of shop drawings and contraction supervision of wastewater treatment plant with capacity 280,000 m<sup>3</sup>/day</p> <p>Tertiary treatment for reuse including sludge handling units.</p>
----------------------	---

Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li></ul>
-------------------------	---





# WASTEWATER SERVICES FOR DEPRIVED VILLAGES

(SAKKARA - MEET RAHINA - E; MARAZIQ) - BADRASHEEN WASTEWATER PLANT 170,000 M3/DAY.

Country:	Egypt
Client:	Construction Authority for Potable Water and Wastewater (CAPW)
Project Value:	25,405,600 USD 500 Million EGP
Owner:	Giza Potable Water & Wastewater Company
Start/End date:	2009 - 2012
Project Description:	<p>The purpose of the project was the provision of sewage facilities to three big communities (Sakkara – Meet Rahina – Maraziq) in the vicinity of Giza Pyramids. This facility comprised the construction of Wastewater Collection and Conveyance System including Gravity lines (from 200 mm dia to 1,200 mm dia), Force Mains and Pumping Stations.</p> <p>and the construction of a Wastewater Treatment Plant of a capacity of 170,000 m<sup>3</sup>/day</p>
Services provided by MC	<ul style="list-style-type: none"> <li>■ Design calculations and detailed drawings</li> <li>■ Preparation of tender documents.</li> <li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li> <li>■ Construction supervision.</li> </ul>



# TANTA

## WASTEWATER TREATMENT PLANT 150,000 M3/DAY.

Country:	Egypt
Client:	National Authority For Potable Water and Sewag- Construction Authority for Potable Water and Wastewater in Gharbia
Project Value:	70 Million EGP
Owner:	Gharbia Potable Water & Sanitation Company
Start/End date:	2010
Project Description:	Rehabilitation and upgrading for Tanta WWTP from capacity 90,000m3/day to 150,000m3/day
Services provided by MC	<ul style="list-style-type: none"> <li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li> <li>■ Construction supervision.</li> </ul>





# 6<sup>TH</sup> OCTOBER CITY

## WESTERN SEWAGE NEW TREATMENT PLANT EXPANSION WITH A CAPACITY 150,000M3/DAY AT 6TH OF OCTOBER CITY.

Country:	Egypt
Client:	Construction Authority for Potable Water and Wastewater (CAPW)
Project Value:	950 Million EGP
Owner:	6 <sup>th</sup> Of October City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2020 - 2022
Project Description:	<p>New Wastewater Treatment Plant to serve all the domestic districts in the western part of the rapidly developed 6 October City</p> <ul style="list-style-type: none"><li>■ Plant Capacity is 150,000 m<sup>3</sup>/day</li><li>■ Tertiary Treatment</li></ul> <p>Treated produced water will be used in irrigation purpose for 6th October city</p>
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li></ul>







# 6<sup>TH</sup> OCTOBER CITY

## SOUTHERN WASTEWATER TREATMENT PLANT 100,000 M3/DAY.

Country:	Egypt
Client:	Construction Authority for Potable Water and Wastewater (CAPW)
Project Value:	300 Million EGP
Owner:	6th Of October City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2009 - 2016
Project Description:	Tertiary treatment for wastewater treatment Plant with capacity (100,000m3/day) Treated Sewage Effluent for reuse in irrigation
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li></ul>





# WASTEWATER TREATMENT PLANTS AND NETWORKS FOR EL-SAF AND ATFIH DISTRICTS HELWAN GOVERNORATE

<b>Country:</b>	Egypt
<b>Client:</b>	Construction Authority for Potable Water and Waste Water
<b>Project Value:</b>	315 Millions EGP
<b>Owner:</b>	Giza Potable Water & Wastewater Company
<b>Start/End date:</b>	2016 - 2018
<b>Project Description:</b>	<ul style="list-style-type: none"> <li>■ 2 water purification plants with capacity 1400 l/sec</li> <li>■ Water networks with diameter (2001200-mm) with total length of 93km</li> <li>■ (11) water tanks with capacity from 500m3 to 2500m3</li> <li>■ (2) intakes for the water purification plant s</li> <li>■ (7) networks with diameters (175 to 1000mm) and with total length of 168Km</li> <li>■ (2) main pumping stations with capacities (46,726m3/day) and (103,726m3/day)</li> <li>■ Force main with diameter (400mm - 1200) and with total length of 37km</li> <li>■ Force main with diameter (800mm-32000) and with total length of 55km</li> <li>■ (2) wastewater treatment plants with oxidation ponds system and 3000 Fadden forest tree.</li> </ul>
<b>Services provided by MC</b>	<ul style="list-style-type: none"> <li>■ Review of design calculations, detailed drawings &amp; Project documentations</li> <li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li> <li>■ Construction supervision.</li> </ul>





# EL-RAHAWI COLLECTION CONVEYANCE SYSTEM

(WASTEWATER NETWORKS, PUMPING STATIONS & FORCE MAIN LINES)  
FOR 15 VILLAGES IN ALAYAAT CITY- FOR 15 VILLAGES WASTEWATER  
PROJECT OF THE ADJACENT AREAS OF EL-RAHAWI DRAIN

Country:	Egypt
Client:	Construction Authority for Potable Water and Wastewater (CAPW) & The Arab Fund for Economic and Social Development (the Arab Fund)
Project Value:	1.5 Billion EGP
Owner:	Ministry of Housing, Utilities & Urban Development
Start/End date:	2018 - Present
Project Description:	<ul style="list-style-type: none"><li>■ The project was the provision of Sewage services to 15 villages in El-Rahawe Drain under the National Program for the provision Sewage Facilities to the Unserved Areas and Communities.</li><li>■ The project comprised Sewage Network, Gravity lines with a diameter of (200 mm up to 1100 mm) for 13 villages</li><li>■ (14) Pumping Stations &amp; (14) forcemain for 13 villages with a length of 25 km &amp; a diameter of (200 mm-800mm)</li><li>■ House Connections to thousands of houses.</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li></ul>





# INTEGRATED WASTEWATER PROJECT IN DELTA

(ISSIP1) OF WASTEWATER TREATMENT PLANT AT NEMRAT EL BASAL VILLAGE AND SEWAGE SYSTEM (NETWORKS & PUMPING STATIONS) FOR 5 VILLAGES (EL MAHLA & QUTOR) GH2 GROUP- GHARBIA GOVERNORATE- FUNDED BY WORLD BANK

Country:	Egypt
Client:	National Authority For Potable Water and Sewage - NOPWSD
Project Value:	70 Million EGP
Owner:	Gharbia Potable Water & Sanitation Company
Start/End date:	2008 - 2012

## Project Description:

The project was constructed under ISSIP – 1 Program partially funded by the World Bank for the provision of Sewage services to 4 villages in Gharbia Governorate in the Egyptian Delta.  
The services included Gravity Lines, Force Main, Pumping Stations, Networks, and House Connections  
It also included the Construction of a Wastewater Treatment Plant of a total capacity of 8000 m<sup>3</sup>/day at Nemra El Basal (secondary treatment)

## Services provided by MC

- Review, Approval of shop drawings, technical submittals & As-built drawings.
- Construction supervision.





# EL SHARKIA INTEGRATED WASTEWATER PROJECT

## ABO KEBEER A, ABO KEBEER B AND ABO EL Taweela Wastewater Collection System and Treatment Facility - Waste Water Pump Stations (IWSP)

Country:	Egypt
Client:	Sharkia Potable Water & Wastewater Company IWSP
Project Value:	300 Million LE + 80 Million Euro
Owner:	Sharkia Potable Water & Wastewater Company
Start/End date:	2017 - 2020

Project Description:

Abo Kbeer A project in 3 villages (Elrahmania, Khelot Elshorfa, and El-Demeen): The projects in 3 different villages includes: 17,599.85 m of wastewater networks, 11,165.00 m of force main line, 1100 m of house connection, 900 manholes and four open drill cross channel and three hydraulic canal crossing and two Main wastewater pumping stations with 9075m3/day m3, 7776 m3/day (30 l/ sec) capacity and one Secondary wastewater pumping station with 1300 m3 (15 l/sec) capacity.

Abo kbeer B project in 4 villages: (Kafer El-aaser, Elshobaky, El-Mosalmia and El-tal): The project in Four different villages includes: 13,339m of wastewater networks, 6575 m of force main lines, 8250 m of house connections, 619 manholes and two hydraulic canal crossing and one wastewater pumping station with 4,320m3 (50 l/sec) capacity

Abo El Taweela project in 4 villages (Abo - Gad, Eltaroty, El-Shwesh and El-khalila); The projects in Four different villages includes: 16275 m of wastewater networks, 11,165.00 m of force main line, 10358 m of house connection, 747 manholes and three open drill cross channel and, Two wastewater pumping stations with 13,479 m3/day and 6,750 m3/day Capacity

Services provided by MC

- Review, Approval of shop drawings, technical submittals & As-built drawings.
- Construction supervision.







# MAIN SEWAGE COLLECTOR

## FROM REGIONAL ROAD TO WASTEWATER TREATMENT PLANT IN NEW ADMINISTRATIVE CITY

Country:	Egypt
Client:	HA Construction (Hassan Allam)
Project Value:	700 Millions EGP
Owner:	New Urban Communities Authority (NUCA)
Start/End date:	2018 - 2020
Project Description:	<ul style="list-style-type: none"><li>■ Main Sewage collector with diameter 2500 - 3500 mm for the new administrative Capital with total length of 11km</li><li>■ Temporary lift pump station with capacity 135000 m3/day</li><li>■ Temporary forcemain line with diameter of 600mm , and total length 5 km connected to go Badr City gravity network</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Review of design calculations &amp; detailed drawings</li><li>■ Review of Project documentations</li><li>■ Preparation of work shop drawings &amp; As-built drawings.</li><li>■ Technical support during construction.</li></ul>





# AL-JABAL AL-ASFAR

FORCE MAIN FROM NEW CAIRO TO AL-JABAL AL-ASFAR SEWAGE TREATMENT PLANT SERVING THE PLANNED AREAS FOR URBAN DEVELOPMENT, AND URBAN EXPANSIONS ON SUEZ ROAD AND WEST RING ROAD.

Country:	Egypt
Client:	Construction Authority for Potable Water and Wastewater
Project Value:	4 Billions EGP
Owner:	New Cairo City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2021 - 2023
Project Description:	<ul style="list-style-type: none"><li>■ New Sewer pipeline to serve parts of New Cairo City &amp; Urban Expansions starting Al-Chouifft station on regional ring road to Al-Jabal Al-Assfar Wastewater treatment plant.</li><li>■ Gravity Sewer pipelines with a diameter (20003400- mm) and 39.7 km length.</li><li>■ The project is divided to open drilling part with a 30 km length &amp; Canal Crossing part with a 9.7 km length.</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li></ul>







# SEWAGE FORCE MAIN LINE

## FROM BADR CITY TO NEW ADMIN CITY TREATMENT PLANT

Country:	Egypt
Client:	Badr City Authority - New Urban Communities Authority (NUCA)
Project Value:	900 Million EGP
Owner:	Badr City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2020 - Present
Project Description:	<p>Badr city sewage project consists of: -</p> <ul style="list-style-type: none"><li>■ Main pump station no (8) with capacity 1000 l/s first stage – 2000 l/s second stage &amp; Force mains with diameter 1200 mm ,10.50 Km length, including valve chambers and crossings</li><li>■ Main pump station no. (7) with capacity 900 l/s first stage – 1800 l/s second stage &amp; Force mains with diameter 1000 mm ,13.0 Km length, including valve chambers and crossings</li><li>■ Secondary pump station with capacity 280 l/s first stage – 570 l/s second stage &amp; Force mains with diameter 700mm, 3.5 Km length, including valve chambers and crossings</li><li>■ Gravity sewer pipe lines with diameter (2002000- mm) and 8 km length.</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li></ul>







# **WATER PURIFICATION PLANTS**



# 10<sup>TH</sup> OF RAMADAN CITY

## WATER PURIFICATION PLANT WITH CAPACITY 1,200,000 M3/DAY.

Country:	Egypt
Client:	Construction Authority for Potable Water and Waste Water
Project Value:	1.8 Billion EGP
Owner:	10 <sup>th</sup> of Ramadan City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2008 - 2012

### Project Description:

- Intake with 6 pipe lines, each one 1800mm
- (1) Booster at Km (11) with capacity 600,000m3/day
- Water Purification Plant with capacity 600,000m3/day
- 2 transmission pipe lines with diameter 2500mm and length 19km
- Gravity line with diameter 1200mm and length 7.5km
- Pipe line with diameter 1200mm (6 bar) and length 0.6 km
- Pipe line with diameter 1500mm (6 bar) and length 9.3 km
- Pipe line with diameter 1400mm (6 bar) and length 9 km

### Services provided by MC

- Design calculations and detailed drawings
- Preparation of tender documents.
- Review, Approval of shop drawings, technical submittals & As-built drawings.
- Construction supervision.





# ABU OWEIKAL

## WATER TREATMENT PLANT 500,000 M3/DAY

Country:	Egypt
Client:	Construction Authority for Potable Water and Waste Water
Project Value:	1.4 billion EGP
Owner:	Greater Cairo Water Company
Start/End date:	2008 - 2020
Project Description:	<p>Project consists of Intake pump station, booster pump station, Purification plant and two Transmission lines</p> <ul style="list-style-type: none"><li>■ Intake pump stations include 4 pumps with capacity 2000l/sec and 120 m head</li><li>■ Booster pump station includes 4 pumps with capacity 2000l/sec and 21 m head</li><li>■ Water purification plant capacity 500,000 m3/day</li><li>■ Two Transmission lines with 16 Km length each.</li><li>■ Each line is of 1400mm diameter and 16 bars operating pressure.</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li><li>■ ESIA</li><li>■ Operation &amp; maintenance supervision of water purification plant</li></ul>



# NEW CAIRO CITY

## POTABLE WATER TREATMENT PLANT 500,000 M3/DAY PHASE 2

Country:	Egypt
Client:	Construction Authority for Potable Water and Waste Water
Project Value:	1.2 Billion EGP
Owner:	New Cairo City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2019 - 2022
Project Description:	<p>Design review and supervision of construction for New Cairo Water Purification Plant second phase 500,000m3/day to reach 2 million m3/day after finishing the four phases</p> <ul style="list-style-type: none"><li>■ (1) Gravity line for water distribution for new Cairo city with diameter (1800mm)</li><li>■ (2) Treated Water pump station with 2 pressurized lines diameter 1000 mm each to the New administrative Capital</li><li>■ (8) Clarifiers,</li><li>■ (22) Filtration unit with ground tank under them with volume 20,000 m3/day.</li><li>■ Ground tanks each one 30,000 m3/day</li><li>■ Chlorination building, chemical building, generator and transformer building and laboratory building.</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li></ul>



# TANTA

## WATER PURIFICATION PLANT IN TANTA WITH CAPACITY 200,000 M3/DAY.

Country:	Egypt
Client:	National Authority for Potable Water and Sewage (NOPWASD)
Project Value:	350 Million EGP
Owner:	Gharbia Potable Water & Sanitation Company
Start/End date:	2010 - 2012
Project Description:	<b>The Project consists of networks and water purification plant:</b> <b>Water network</b> <ul style="list-style-type: none"><li>■ total length 76km with diameter (3001500-mm) to serve (24) village and (2) district in Tanta</li><li>■ 2 crosses with concrete body diameters (2000 &amp; 2500mm) and internal pipes with diameter (500 &amp; 1000mm) sequentially</li><li>■ 10 intersection champers, 2 wash champers, air champers and 4 elevated tanks</li></ul>
	<b>Water purification plant:</b> <ul style="list-style-type: none"><li>■ Intake with 3 pipes (900mm), pump chamber with 6 pumps and distribution chamber.</li><li>■ 4 clari-flocculator with diameter 38mm</li><li>■ 16 filtration unit with ground tank under them with volume 6000m3</li><li>■ 3 ground tanks each one 8000m3</li><li>■ high left pump (10)</li><li>■ chlorination building, chemical building, generator and transformer building and laboratory building.</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision.</li></ul>





# **DISTINGUISHED PROJECTS**



# WALKWAY OF AHL MASR

## TAHYA MASR INFRASTRUCTURE PROJECT (MEP)

Country:	Egypt
Client:	Associated Consultants- Dr. Sahar Attia
Project Value:	4 Billion EGP
Owner:	New Urban Communities Authority (NUCA)
Start/End date:	2020 - 2021
Project Description:	Design & construction supervision for infrastructure networks including (water, sewage, irrigation, electricity, & communication) and MEP
Services provided by MC	<ul style="list-style-type: none"> <li>■ Design calculations and detailed drawings</li> <li>■ Preparation of tender documents.</li> </ul>







# NEW ALAMAIN

## STRATEGIC PLAN FOR THE NEW ALAMAIN SMART CITY AND THE MASTER DETAILED PLAN FOR THE FIRST PRIORITY AREA (5000 FEDDAN)

Country:	Egypt
Client:	Associated Consultants- Dr. Sahar Attia
Project Value:	7 Billion EGP
Owner:	New Alamein City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2016 – 2019 (phase 1)
Project Description:	<p>The strategic Master Plan of infrastructure of New Alamein City (Roads, Water, Wastewater, Irrigation, firefighting, waste management, electricity &amp; telecommunications) for 12,330 Fadden, the detailed design &amp; tender documents – stage 1 (5,235 Fadden) of the following:</p> <ul style="list-style-type: none"> <li>■ Sewage Network (306 km- 150 mm to 1600 mm diameter).</li> <li>■ Storm Water Drainage Network (232 km - 300 mm to 2400 mm diameter).</li> <li>■ Water Network (294 km- 100 mm to 900 mm diameter).</li> <li>■ Irrigation Network (250 km - 100 mm to 900 mm diameter).</li> <li>■ Electrical and Telecommunications Networks (330 km)</li> </ul>
Services provided by MC	<ul style="list-style-type: none"> <li>■ Prepare Strategic &amp; Master Plan</li> <li>■ Design calculations and detailed drawings</li> <li>■ Preparation of tender documents.</li> </ul>





# NEW ALAMAIN

## INFRASTRUCTURE OF NEW ALAMAIN SMART CITY

Country:	Egypt
Client:	New Alamein City Authority - New Urban Communities Authority (NUCA)
Project Value:	5 Billion EGP
Owner:	Construction Authority for Potable Water and Wastewater
Start/End date:	2018 - 2020
Project Description:	<p>The project is the preparation of design documents and tender copies for infrastructure projects (roads, Smart water networks, sewage networks, Smart irrigation networks, storm networks) for an area of 15,600 acres in the new El Alamein city including:</p> <ul style="list-style-type: none"><li>■ Design of 385 kilometer pipelines with a 100 to 1000 mm diameter water network with Smart control valves system,</li><li>■ Design of 40 kilometer pipelines with a 100 to 900 mm diameter irrigation network with Smart control valves system,</li><li>■ Design of 300 kilometer pipelines with a 200 to 1600 mm diameter sewage network,</li><li>■ Design of 235 kilometer pipelines with a 300 to 2600 mm diameter Storm network,</li><li>■ Design of 3 Elevated Tanks each one capacity 4000 m3,</li><li>■ Design of 3 underground Tanks each one capacity 40,000 m3,</li><li>■ Design of underground Tank capacity 80,000 m3,</li><li>■ Design of 4 sewage pump station,</li><li>■ Design of 4 sewage force main with a 700, 900, 900 and 1200 mm with total length 16 km including control and monitoring system along the 4 pipelines by SCADA systems,</li><li>■ Design of 4 storm pump station,</li><li>■ Design of 4 storm force main with a 1200, 1200, 1400 and 1800 mm with total length 23 km including control and monitoring system along the 4 pipelines by SCADA systems,</li></ul>
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li></ul>





# MASPEERO TRIANGLE URBAN DEVELOPMENT

## RESIDENTIAL TOWERS - HOTELS - ADMINISTRATIVE AND COMMERCIAL TOWERS – GARAGES

Country:	Egypt
Client:	Associated Consultants- Dr. Sahar Attia
Project Value:	600 Million EGP
Owner:	New Urban Communities Authority (NUCA)
Start/End date:	2020 - 2021
Project Description:	Design & construction supervision for infrastructure networks including (water, sewage, irrigation, electricity, & communication) and MEP
Services provided by MC	<ul style="list-style-type: none"><li>■ Prepare Master Plan</li><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li><li>■ Review, Approval of shop drawings, technical submittals &amp; As-built drawings.</li><li>■ Construction supervision</li></ul>





# CENTRAL PARK

## INFRASTRUCTURE WORK FOR CENTRAL PARK IN THE NEW ADMINISTRATIVE CAPITAL- GREEN RIVER

Country:	Egypt
Client:	Petrojet - The Petroleum Projects & Technical Consultations Company
Project Value:	3 Billion EGP
Owner:	Administrative Capital for Urban Development - ACUD
Start/End date:	2019 - 2020

Project Description:	Prepare detailed design & workshop drawings Infrastructure networks, service and recreation and Landscape Buildings Phase 1 – 10 Km for (TMG, HA & Orascom, Petrojet)
----------------------	---

Services provided by MC	<ul style="list-style-type: none"><li>■ Review of design calculations &amp; detailed drawings</li><li>■ Review of Project documentations</li><li>■ Preparation of work shop drawings &amp; As-built drawings.</li><li>■ Technical support during construction.</li></ul>
-------------------------	--



# NEW OBOUR SMART CITY

## MASTER PLAN OF NEW OBOUR SMART CITY 56,000 FEDDAN

Country:	Egypt
Client:	CONNECT Architects & Planners- Prof.Dr. Maysa Mahmoud
Project Value:	5 Billion EGP
Owner:	New Obour City Authority - New Urban Communities Authority (NUCA)
Start/End date:	2018 - 2019 Phase 1
Project Description:	Design of Infrastructure Strategic & Master plan for New Obour Smart city 56.000 Acers (feddan), including main roads (65Km- R1 till R6) and infrastructure networks for the residential districts

Services provided  
by MC

- Prepare Master Plan

# RAS EL-HEKMA

## DEVELOPMENT RAS EL-HEKMA

### WATERFRONT CITY



Country:	Egypt
Client:	Distance Studio Consultants
Project Value:	10 Million EGP
Owner:	UN-Habitat
Start/End date:	2019 - 2020

Project Description:	The project consists of Infrastructure networks ( Electrical, Water and Wastewater)
----------------------	---

Services provided by MC	■ Prepare Master Plan
-------------------------	-----------------------





# GAWHARET AL ASSEMA

## NEW ADMINISTRATIVE CAPITAL (GAWHARET AL ASSEMA) RESIDENTIAL COMPOUND

Country:	Egypt
Client:	Ministry of Defense- Armed Forces Engineering Authority- Military Works Department
Project Value:	1 Billion EGP
Owner:	Ministry of Defense- Armed Forces Engineering Authority
Start/End date:	2021 - 2022

**Project Description:** The project consists of design and construction supervision of Gawharet Al-Assema Networks with a 350 feddan area (Water, Wastewater, roads, storm drainage, electricity, telecommunication) for different building, internal roads network & swimming pool.

**Services provided by MC**

- Design calculations and detailed drawings
- Preparation of tender documents.
- Review, Approval of shop drawings, technical submittals & As-built drawings.
- Construction supervision.





# INTERNATIONAL COASTAL ROAD

## 80 KM- NORTH COAST FROM ALEXANDRIA TO ALAMEIN CITY

Country:	Egypt
Client:	Ministry of Defense - Armed Forces Engineering Authority - Military Engineers Department
Project Value:	3 Billions EGP
Owner:	General Authority for Roads, Bridges and Land Transport- Ministry of Transportation
Start/End date:	2016 - 2020
Project Description:	Prepare detailed design & workshop drawings Infrastructure networks, service and recreation and Landscape Buildings Phase 1 – 10 Km for (TMG, HA & Orascom, Petrojet)
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li></ul>





# ALEXANDRIA - MATROUH

## COASTAL ROAD DEVELOPMENT (ALEXANDRIA - MATROUH)

### ROAD- HIGHWAY MARINA CENTER

Country:	Egypt
Client:	The Arab Contractors Company (Osman Ahmed Osman & Co.) - Roads Section- Highway department
Project Value:	1 Billion EGP
Owner:	General Authority for Roads, Bridges and Land Transport- Ministry of Transportation
Start/End date:	2016 - 2018
Project Description:	Design a new high way detour of Alex-Matrouh road to a new location on Wadi Al Natroun road till Al Alamein City entrance with a length of 33 km and five lanes in each direction.
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of work shop drawings &amp; As-built drawings.</li><li>■ Technical support during construction.</li></ul>





# **SAUDI ARABIA & EMIRATES PROJECTS**



# ASFAN INDUSTRIAL ZONE MASTER PLAN – KSA

Country:	Saudi Arabia
Client:	Urban Pioneers Consultancy KSA
Project Value:	4.5 Billions SAR
Owner:	Jeddah Municipality- Saudi Arabia
Start/End date:	2013 - 2015
Project Description:	<p>Design roads and Infrastructure networks for workshop Industrial zone at Asfan, with total length 54 Km using international codes, ASHTO for industrial activities, including all precautions and requirements specialized to Municipality of Jeddah and giving suitable engineering solutions for intersections.</p> <p>Infrastructure networks include Roads, Water, wastewater, Irrigation, electricity and lightening networks</p>
Services provided by MC	<ul style="list-style-type: none"><li>■ Prepare Master Plan</li><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li></ul>





# INFRASTRUCTURE NETWORKS FOR RAWABI EL HEJAZ RESIDENTIAL PROJECT - KSA

Country:	Jeddah City – Saudi Arabia
Client:	Eng. Salah Alzoughaiby office for engineering consultancy
Project Value:	1.2 Billions SAR
Owner:	Ministry of Housing - KSA
Start/End date:	2019 - 2021

Project Description:	Scope of services is to provide Infrastructure design services for new ministry of housing and Laseef Al Fajr project (Rawabi Al Hejaz) which is around 1.5 million m2 including networks of: Roads, Wastewater, storm drainage, water, firefighting, Irrigation, electrical & telecommunication network.
----------------------	---

Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and detailed drawings</li><li>■ Preparation of tender documents.</li></ul>
-------------------------	--





# MADINAH DOWNTOWN MALL - KSA

Country:	King of Saudi Arabia
Client:	EHAF / Chapman Taylor
Project Value:	NA
Owner:	King Abdullah Economic City
Start/End date:	2021 - 2023
Project Description:	Design roads and all infrastructure network for Madinah Downtown Mall

Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and design report</li><li>■ Schematic and Detailed design drawings package.</li><li>■ Hydraulic Models.</li><li>■ Preparation of tender documents.</li></ul>
-------------------------	--



# RIYADH AVENUES MALL - KSA

Country:	Riyadh - King of Saudi Arabia
Client:	EHAF / RTKL (an Arcads Company)
Project Value:	11 Billion SAR
Owner:	AL SHAYAA GROUP
Start/End date:	2019 - 2021
Project Description:	Prepare Design drawings for internal roads and all infrastructure service network for Riyadh Avenues Mall
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and design report</li><li>■ Schematic and Detailed design drawings package.</li><li>■ Hydraulic Models.</li><li>■ Preparation of tender documents.</li></ul>





# REHABILITATION AND UPGRADE KING FEISAL SPECIALIST HOSPITAL – RIYADH - KSA

Country:	King of Saudi Arabia
Client:	EHAF / Chapman Taylor
Project Value:	NA
Owner:	King Abdullah Economic City
Start/End date:	2021 - 2023
Project Description:	Design roads and all infrastructure network for Madinah Downtown Mall
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and design report</li><li>■ Schematic and Detailed design drawings package.</li><li>■ Hydraulic Models.</li><li>■ Preparation of tender documents.</li></ul>





# AL NASEEM DEVELOPMENT- AL AIN - UAE

Country:	UAE
Client:	Syrconsult Consulting Engineers / Auding Intraesa Consulting & Engineering Middle East & Gulf
Project Value:	480 Million AED
Owner:	ALQUDRA Holding
Start/End date:	2017 - 2018
Project Description:	Prepare Design drawings for all infrastructure network for Al Naseem Development Residential Compound 220,000m2 in Al Ain – United Arab of Emirates
Services provided by MC	<ul style="list-style-type: none"><li>■ Design calculations and design report</li><li>■ Schematic and Detailed design drawings package.</li><li>■ Hydraulic Models.</li><li>■ Authorities Approvals.</li><li>■ Preparation of tender documents</li></ul>





# JEDDAH AIRPORT CITY - JEDDAH - KSA

Country:	JEDDAH - KSA
Client:	Prime / Chapman Taylor
Project Value:	12000 Million SAR
Owner:	GACA General Authority of Civil Aviation
Start/End date:	2022
Project Description:	Prepare Design drawings for roads and all infrastructure utilities for JEDDAH Airport City - Jeddah - KSA
Services provided by MC	<ul style="list-style-type: none"><li>■ Design detailed drawings.</li><li>■ Conceptual Design</li></ul>





# SHEIKH SHAKHBOUT COMPOUND

## ABU DAHABI- UAE

Country:	Abu Dahabi - AED
Client:	EHAF / SEHA
Project Value:	6000 Million AED
Owner:	SEHA / SSMC
Start/End date:	2022 - 2024
Project Description:	<p>Sheikh Shakhbout Medical City expansion for the existing SSMC hospital, the expansion will be in three phases with a total area of 780,000 square meters.</p> <p>The project includes medical and non-medical buildings i.e (Multispecialty clinics, hotels, Administration buildings, ...)</p>
Services provided by MC	<ul style="list-style-type: none"><li>■ Expansion of the existing site infrastructure.</li><li>■ Detailed design for the overall roads and infrastructure networks for the expansion area.</li><li>■ Infrastructure BIM modeling.</li><li>■ Tender package including the IFT drawings, BOQ, and Specifications.</li></ul>



# THE GROOVE – EL SAADIYAT ISLAND ABU DHABI - UAE

Country:	Abu Dhabi
Client:	EHAF / ASGC
Project Value:	8000 Million AED
Owner:	AL DAR properties
Start/End date:	2022 - 2023

**Project  
Description:**

The new multifunctional complex of Saadiyat Grove is one of the largest scale projects in Abu Dhabi so far, by the master developer Aldar Properties. The construction of the AED 8B (USD 2B) development began in November 2019 and will offer 3,706 residential units in total, 170 of which are branded residences. Saadiyat Grove is set to become a mixed-use community in the heart of the beautiful Cultural District on Saadiyat Island.  
The total area of 6.4 million sq. ft.

**Services provided  
by MC**

- Design detailed drawings.
- Design Report.
- Hydraulic Models.
- Roads and Infrastructure BIM modeling.
- IFC package.

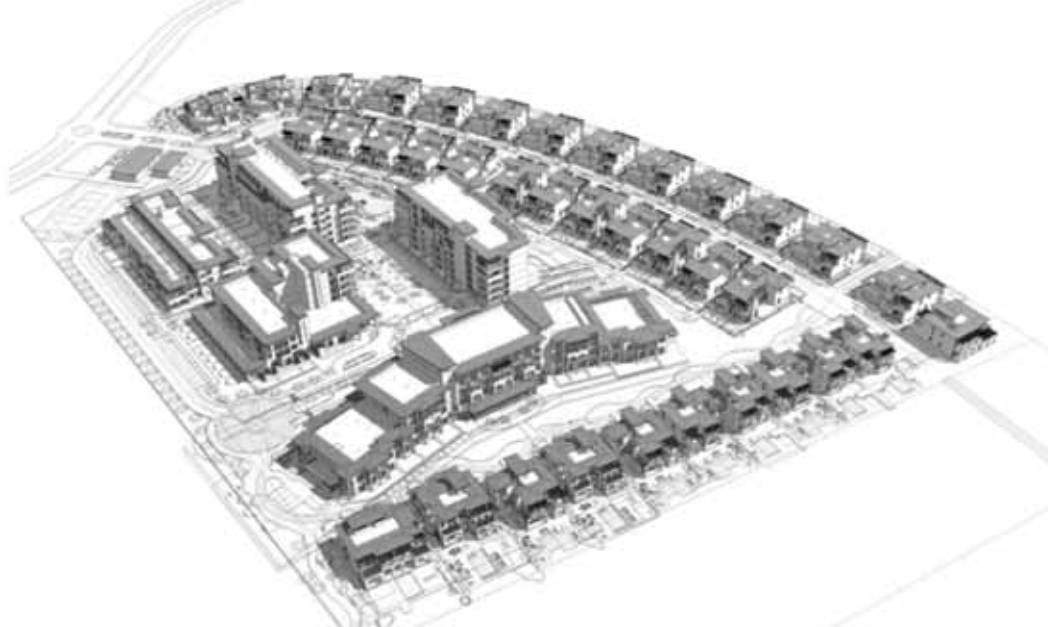




# HIGHER COLLEGE OF TECHNOLOGY FUJAIRAH - UAE

Country:	Al Fujairah - UAE
Client:	MOID / DEC
Project Value:	400 Million AED
Owner:	MOID / Higher College of Technology (HCT)
Start/End date:	2023 - 2023
Project Description:	<p>The project is considered as one of the most advanced technologies-based universities located in Fujairah – UAE. The campus consists of several buildings i.e (The main university building, Theater, Ballrooms, Laboratories buildings, ...).</p> <p>The total area of the plot is around 90,000 sq.m</p>
Services provided by MC	<ul style="list-style-type: none"><li>■ Overall design packages for roads and civil infrastructure.</li><li>■ Hydrology study.</li><li>■ Flood mitigation study.</li></ul>





# LUXURIOUS SAADIYAT COMPOUND SB-03 – ABU DHABI - UAE

Country:	Abu Dhabi - UAE
Client:	EHAF
Project Value:	360 Million AED
Owner:	AL DAR properties / St. Regies
Start/End date:	2018 - 2021

## Project Description:

The luxurious compound in Saadiyat Island contains 4 main hotel buildings along with 36 luxurious private 4 bedrooms and 5 bedrooms' villas.  
The total plot area is around 74,000 sq.m in addition to the beach area.

## Services provided by MC

- Overall design packages for roads and infrastructure.
- IFT & IFC packages.
- Site Supervision.



# SOUQ AL MINA – ABU DHABI - UAE

Country:	Abu Dhabi- UAE
Client:	Aperture Design Studio
Project Value:	120 Million AED
Owner:	AL DAR properties
Start/End date:	2020 - 2022

Project Description:	<p>The project brief is to create a design vision, to revitalize the existing development cluster. Creating an incremental approach to transforming the site into a vibrant &amp; active mixed-use destination.</p> <p>The total project area is around 22,000 sq.m.</p>
----------------------	--

Services provided by MC	<ul style="list-style-type: none"><li>■ Overall design packages for roads and infrastructure.</li><li>■ Transportation conceptual studies.</li><li>■ MEP services.</li><li>■ Structure Design.</li><li>■ Overall engineering services site supervision.</li></ul>
-------------------------	---



# JAPANESE PARK – ABU DHABI - UAE

**Country:** Abu Dhabi- UAE

**Client:** Aperture Design Studio

**Project Value:** 240 Million AED

**Owner:** VVIP

**Start/End date:** 2020 - 2021

**Project  
Description:**

The project consists of several buildings for a multi-purpose hall, relaxation areas, and events buildings along with some BOH services buildings.  
The total project area is around 14,000 sq.m.

**Services provided  
by MC**

- Overall design packages for roads and infrastructure.
- Transportation conceptual studies.
- Chilled water network design.
- Marine services.
- MEP services.
- Structure Design.





# AL HAYAH ISLAND – RAS AL KHAIMAH - UAE

<b>Country:</b>	Ras Al Khaimah - UAE
<b>Client:</b>	BENOF
<b>Project Value:</b>	2400 Million AED
<b>Owner:</b>	RAK Properties
<b>Start/End date:</b>	2016 - 2018
<b>Project Description:</b>	<p>The project is a development of AL HAYAH island in Mina Al Arab area located in Ras Al Khaimah – UAE. The project considered as a mixed-use development includes the following:</p> <ul style="list-style-type: none"><li>■ 3 Hotels.</li><li>■ Mall</li><li>■ 8 Towers</li><li>■ 56 Villas.</li></ul> <p>The total area is around 240,000 sq.m.</p>
<b>Services provided by MC</b>	<ul style="list-style-type: none"><li>■ Infrastructure Master planning study.</li><li>■ Sizing of the various infrastructure components.</li><li>■ Conceptual report.</li><li>■ Conceptual design drawings.</li></ul>



# ADSP – ABU DHABI - UAE

Country:	Abu Dhabi - UAE
Client:	AL GHANEM CONTRACTING
Project Value:	160 Million AED
Owner:	MUSANADA
Start/End date:	2018 - 2019

Project Description:	The project is a new construction for an Olympic swimming pool complex for the people of determination. The total area is around 27,000 sq.m.
----------------------	--

Services provided by MC	<ul style="list-style-type: none"><li>■ Infrastructure Master planning study.</li><li>■ Overall design packages for roads and infrastructure.</li></ul>
-------------------------	---







Address: 72 Gamet El Dewal Str, Mohandiseen, Giza, Egypt  
Tel/fax : (+202) 37620366 - 37620377 - 37499521 - 37499527  
Email : [info@misrconsult.com](mailto:info@misrconsult.com)  
Website : [www.misrconsult.com](http://www.misrconsult.com)