



TRIANGLE  
GROUP

# | CORPORATE PROFILE



## In Memory Of Eng. Mohamed Ahmed Eltawil

A remarkable business leader who was driven by ethics, high moral standards, and social responsibility. His tireless dedication to serving society has left an indelible mark on the world, inspiring and positively impacting countless people to this day. His legacy continues to live on, serving as a shining example of what can be achieved when we lead with integrity and a commitment to making a difference in the world.

**1937- 2021**

I am privileged to lead an organization that places equal emphasis on honoring its rich heritage and forging ahead with progress. Our commitment to preserving our traditions and values is unwavering, but we also understand the importance of embracing change and innovation. We strongly believe that this balance is key to creating a sustainable and prosperous future for our companies, employees, and communities.

**Ahmed El Tawil**

Chairman

**Triangle Group**



At Triangle Group, we hold ourselves to the highest standards of sustainability, diversity, and innovation. These core values are at the heart of everything we do, and we are proud to be leaders in each of these areas. We believe in reducing our impact on the environment and promoting diversity to drive progress. We also strive to push boundaries and lead the way in innovation. These values are at the heart of our success and essential for a better future.

**Amr El Tawil**

Vice Chairman

**Triangle Group**





# OVERVIEW





Triangle Group is a deep-rooted family business that has been operating in Egypt since 1810 covering a diverse portfolio of industries focusing on Manufacturing, FMCG, Aviation, Maritime, Oil & Gas, Transportation, Power & Water, Heavy Equipment, Engineering & Construction, and Facility Management.

The Group has expanded its presence in the region to include; Algeria, KSA, Libya, Iraq, UAE, Qatar, Sudan, Lebanon, and Cyprus. Throughout the years, Triangle Group has built an impressive track record with governmental and private entities/stakeholders becoming their trusted and reliable partner encompassing business solutions that ensure success and growth.

Today, The Triangle Group family includes more than 14,000 carefully-selected employees with diverse backgrounds, educational levels, and levels of experience.



**PEOPLE**

We rely on, support, and challenge each other. We collaborate, aid each other's learning, and have pride in our work.

**INNOVATION**

We are committed to encouraging new ideas and solutions that tackle conventional problems through unconventional means, ushering in smarter strategies to accomplish our goals.

**SUSTAINABILITY**

We seek to add value not only to our bottom line, but also to the interests of all our stakeholders, communities and ecosystem. We take pride in our commitment to doing good while doing business.

**DIVERSITY**

We nourish the diversity of our business offerings, through our diverse workforce enabling us to understand, empathize and better serve our clients and our greater society. We leverage the power of our diversities to move us forward in every aspect of our business.

**RESPECT**

We recognize that the thoughts, feelings, and backgrounds of others are as important as our own.

**INTEGRITY**

Integrity is the fuel by which we run our team and business.



## TIMELINE

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- 1810** ▶ Business **Startup** in leather tanning
- 1962** ▶ Group **Nationalized**
- 1971** ▶ Business restarted and **Established** a partnership with PFAFF Germany for Industrial Sewing Machines
- 1976** ▶ Dolce Ice Cream **Co. Founder**
- 1981** ▶ Enjoy Dairy and Juice **Co. Founder**
- 1982** ▶ Hongkong Egyptian Bank (HSBC) **Founding Partner**
- 1986** ▶ Aviation Business Line **Established**
- 1994** ▶ Heavy Equipment Business Line **Established**
- 1998** ▶ Raya Holding **Co-Founder**
- 2003** ▶ International **Expansion**
- 2004** ▶ Oil & Gas Business **Established**
- 2006** ▶ Onspec Tawakol **Acquisition**  
Bourbon Offshore Triangle **Joint Venture**
- 2010** ▶ Gama Construction **Acquisition**
- 2018** ▶ Kuiper OCB **Joint Venture**



Currently, TRIANGLE Group's various divisions and subsidiaries operate in **Algeria, KSA, Libya, Iraq, UAE, Qatar, Sudan, Lebanon and Cyprus.**





# CORPORATE PORTFOLIO



## EPC



## ADVANCED TECHNOLOGY & DEVELOPMENT



## ENERGY



## AUTOMOTIVE & HEAVY EQUIPMENT



## INVESTMENT





# EPC

**Triangle EPC Ltd** is a large corporation that operates in five sectors including Industrial, Infrastructure & Buildings, Water, Wastewater, and Energy. The full spectrum of these services and solutions is offered through our subsidiaries on an EPC (engineering, procurement, and construction contract) basis.





## Beni Suef GOE Cement Complex, Beni Suef, Egypt

**GAMA CONSTRUCTION** is a leading design-build contractor with over 30 years of experience. Our business verticals include industrial, infrastructure, and buildings projects which are delivered on an EPC basis. Gama is also a utility developer of water and wastewater treatment projects, sustainable energy, and power facilities.

Over the years, Gama has successfully designed and delivered high-level turn-key projects allowing it to develop long-term trusting relationships with a diverse group of clients from both the private and public sectors. Gama is based in Egypt with branches in Saudi Arabia and the UAE.



**100+**  
Buildings Projects



**85+**  
Industrial Projects





**40+**  
Infrastructure Projects

**GAMA INFRASTRUCTURE** offers a range of EPC services delivered in line with strict international standards. The subsidiary has delivered many large-scale projects and has actively participated in building the nation's sustainable and robust infrastructure developed with long-term growth in mind

#### **GAMA INFRASTRUCTURE** Scope of Work

- Roads and Bridges
- Power and Water Projects
- Deep Foundations
- Airport Facilities

Hangar 7000  
Cairo Airport, Cairo, Egypt



390 MW of Solar PV Plants in  
Benban Solar Park, Aswan, Egypt.



Wastewater Treatment Plants  
Menofia, Gharbia, Egypt.





**GAMA BUILDING MATERIALS (GBM)** is specialized in supplying high-quality construction materials, services, and solutions to respond to the rapidly evolving construction market.

**GBM** Scope of Work

- Ready Mix Concrete
- Concrete Special Products
- Brick and Block Production
- Interlock Pavers
- Other Building Materials

8+

Batch Plants



1.5 Million  
M<sup>3</sup> Concrete/Year



30

Million Bricks/Year







**TRIANGLE INNOVATIVE SOLUTIONS (TIS)** is a start-up that leverages disruptive technologies and innovation to minimize the carbon footprint and the consumption of water, energy and fossil fuel.

**TIS's** mission is to build a great digital transformation roadmap by applying its breakthrough technologies and products.

From AI to infrastructure and construction products, **TIS** is committed to deliver the most advanced solutions and services to its clients.

#### Our partners include:

- Tega Fittings
- Geberit
- Hyperion Robotics
- Beyond Limits
- Brainbox AI
- Concrete Canvas
- Jubail FM approved HDPE pipes





## ADVANCED TECHNOLOGY & DEVELOPMENT

Triangle Group subsidiaries team up with world leaders to deliver state-of-the-art projects in the fields of Aviation, Advanced Technologies, Maritime, and Transportation.





**TTE AVIATION DIVISION** is committed to providing aviation-related services by partnering with global market leaders, to offer a comprehensive range of services that cater to the diverse needs of the markets it serves. The division's focus is centered around Airports, Aircraft, and Navigation, to ensure that it provides a well-rounded solution for its clients.

Through its collaboration with industry leaders, the division is well-equipped to handle the most complex projects and is committed to delivering innovative solutions that meet the ever-evolving needs of its clients.

**AIRPORTS & NAVIGATION**, a true partner from concept to operation

- Airport Design and Implementation
- Ground Operations and Handling
- Airport Management
- Design, Installation and Maintenance for Air traffic Control systems & Ground radars

**AIRCRAFT**, a full range of solutions to meet the needs of your fleet, including:

- Overhaul Services (MRO)
- APU Maintenance
- Structural and Cabin Modifications
- Spare Parts Procurement Management
- In-flight Services





**TTE MARITIME DIVISION** is dedicated to fostering collaborative relationships with its partners to bring innovative solutions to the maritime industry.

**Our areas of focus include:**

- Development of ports and harbors, aimed at enhancing their operational efficiency.
- Management of port operations, ensuring efficient day-to-day operations.
- Provision of dredging and reclamation services, aimed at creating new land masses and maintaining navigational depths in harbors.
- Construction of marine infrastructure projects, including breakwaters and jetties.

We are confident in our ability to provide expert services and deliver results in the maritime sector.



**TTE TRANSPORTATION DIVISION** is dedicated to providing comprehensive solutions for mass transportation projects.

**Our focus includes, but is not limited to**

- Railway Construction
- Rolling Stock & Special Vehicles
- Railway Systems
- Railway Engineering & Consultancy Services
- Depot Equipment

The division is committed to delivering high-quality services to both its principals and clients, including supply, installation, and maintenance.

To meet the diverse demands and requirements of the market, the division has established partnerships with a global network of manufacturers and service providers. This strategic collaboration allows us to offer a full range of services, ensuring that its clients receive the support they need to achieve their transportation goals.

The TTE team is comprised of experienced professionals who are dedicated to providing innovative solutions and delivering excellence in the transportation sector.





**TRITECH ADVANCED SOLUTIONS** is a comprehensive multi-disciplinary provider of technology, construction, and energy solutions. Its aim is to deliver customized solutions that align with the specific needs of the Egyptian market, utilizing the most advanced customer-focused design and installation practices. Tritech's commitment to delivering the highest level of customer satisfaction is at the forefront of its business philosophy.

**Tritech's services include, but are not limited to, the following technology services:**

- Data Center Solutions and Security
- Access Control Hardware and Software
- Fiber Optics and Cabling Solutions

**Project Management:**

- Project initiation
- Planning
- Execution



**TAQNIA** is a corporation built on the accumulated expertise and knowledge of the company's founders in various diverse areas of business in Egypt and the region. The corporation is dedicated to providing state-of-the-art technology with a focus on Cybersecurity and Artificial Intelligence and their application in various industries.

Through Taqnia's partnerships and alliances with many renowned global technological solution providers, the company is able to fulfill the needs of its clients.

**Taqnia's services include:**

- Expert Consultation
- Advanced Training
- Tailored Solutions
- Technical Support





**TRIANGLE FACILITY MANAGEMENT (TFM)** was established in 1992 and was initially founded to provide professional solutions to day-to-day facility management needs and evolved into a strong and diversified service provider in many fields.

**TFM** has expanded its reach to become one of the leading players in the market offering comprehensive solutions in facility management, manning and logistical services both locally and internationally.

**TFM** maintains the highest international standards for its clients through quality assurance and innovation. Being Triangle Group's professional arm in manning solutions, **TFM** excels in providing its valued clients with highly qualified and experienced personnel, adding significant value to any project they undertake.

**TFM's services include:** commercial, industrial and domestic facilities, mobility and transportation services, materials procurement and management, recovering and recycling of products and containers, warehousing and distribution services.





## ENERGY

**Triangle International Energy Services** subsidiaries are prominent players in the energy sector focusing on projects and services both locally and regionally while maintaining a commitment to the highest and most stringent industry standards.





**ONSPEC ENGINEERING AND CONTRACTING** is a regional EPC firm in the oil, gas, petrochemical and renewable energy markets.

ONSPEC's SERVICES include comprehensive consulting, engineering, procurement, project management and equipment supply, training services, software and tools.

ONSPEC's VALUES are key because we excel at our core competencies, focus on them and commit ourselves to delivering a high quality service in complete alignment with our client's objectives.

ONSPEC's TEAM has over 150 engineers at it's headquarter in Cairo and has successfully delivered more than 300 projects ranging from conceptual design up to EPC work and supply of full package equipment.

**ONSPEC services include:**

- EPC (Engineering, Procurement, Construction)
- Simulation and Intelligent modelling
- PMC/PMT Supply of power generating sets
- Digitalization
- Supply Training
- Technical Support Equipment







**TRIANGLE INTERNATIONAL ENERGY PROJECTS (TIEP)** is a leading regional expert and advisory firm supported by highly-trained and certified staff with over 40 years of diversified experience. **TIEP** professionals provide clients with a valuable combination of industrial and technical expertise for challenging, high-stakes projects and assignments for its principals.

**TIEP** provides integrated solutions and support through partnership with its principals for Oil & Gas projects both onshore and offshore, Renewable Energy and Green Fuels, Cross Countries Power Interconnectors, Shipping and Trading of LNG, Crude oil and Petroleum Products, Engineering Services, Water Desalination, and Wastewater treatment.

The firm provides full on-ground support during all phases of project execution from the pre-launch phase, through the initial conceptual and feasibility studies, tendering, and awarding, leading up to the actual implementation and completion phase of the projects.



**TIEP Capabilities and Services includes but not limited to:**

- **Equipment Supply:** Power Generation, Compression, Gas Turbines, Pipeline, Valves, Cables, OCGT and Hydrogen Generation
- **Offshore Activities:** Import LNG terminals - FSRU, Construction, Pipeline Supply & Installation and Logistic support
- **Subsea Equipment:** Cables, Valves and Pipes
- **EPC Contracting for Onshore gas processes:** Petrochemical, Fertilizers and Renewables
- **Supply and Installation:** Umbilical, Telecommunication cables, Power Cable Supply and Installation
- **Onshore & Offshore Drilling:** Including shallow and deepwater drilling
- **Engineering Services Including:** Feasibility Studies, FEED, PMC, Master Planning, Green Ammonia and E Methanol
- **Trading:** LNG, Crude oil and Petroleum Products





**BOURBON OFFSHORE TRIANGLE (BOT)** is a joint venture between Triangle Group and Bourbon Offshore (France), operating a fleet of approximately 300 vessels in over 50 countries. **BOT** fulfills a wide range of client needs through the following services:

**Marine and Logistics Services:** Providing high quality services to leading players in the oil industry, in all areas of operation: continental, shallow and deep offshore.

- AHTS's "Anchor Handling Tug & Supply", towage and offshore positioning
- PSV's "Platform Supply Vessels"
- Providing Integrated Logistics Services to cover the entire logistics chain of oil operators.

**Passengers Mobility:** Bourbon delivers to its passengers high-speed and light cargo transport services for offshore Oil & Gas clients, both short or long distance.

- SURFERS "Fast Crew Boats"
- FSIV "Fast Supply Intervention Vessels"

**Subsea Services:** Bourbon Subsea Services can handle the most complex challenges associated with offshore subsea operations.

- IMR "Inspection, Maintenance and Repair" of offshore structures with a full range of services to assist at every stage of the life of our client's oil field, from the survey and exploration phases, during the subsea construction and the offshore operations, through to dismantling.



**TRIANGLE OILFIELD SERVICES (TOFS)** is a company that provides a variety of inspection services for the oil and gas industry in Egypt. Their services are aimed at ensuring that all equipment used in the oilfield operations are functioning properly and are in compliance with industry standards.

Their inspection services cover various components such as Tubing, Sucker Rods, Bottom Hole Assembly (BHA), Magnetic Particle Inspection (MPI), and Rigs. These inspections are critical to ensure that the equipment is safe and reliable, and will not cause any unexpected downtime.

**TOFS** is also experienced in the construction of threaded flow-lines, which are essential components of the oil and gas production process. Their expertise in this area ensures that flow-lines are built to the highest standards, and that they will operate safely and effectively over a long period of time.

The company also provides lifting plan and inspection services to prevent dropped objects. These services are crucial for ensuring the safety of personnel working on oil and gas sites, and for preventing equipment damage. The prevention of dropped objects is a major concern in the industry, and **TOFS's** expertise in this area helps to mitigate this risk.

**TOFS** offers high-quality flush services such as tank cleaning, testing, and pressure testing. These services are critical to maintaining the integrity of tanks and ensuring that they are functioning properly.





**KUIPER TRIANGLE EGYPT** is a joint venture between Triangle and Kuiper Group. It was established with the goal of serving the offshore oil & gas industry and providing solutions for energy projects to streamline operations ensuring the success of its clients.

One of the key services provided by Kuiper Triangle Egypt is the recruitment of highly skilled and motivated workers, both on a contract and permanent basis. This includes sourcing the best talent for various roles within energy projects and ensuring that the workforce is well-equipped to handle the strict demands of the industry.

The joint venture also provides payroll services, and also helps to manage the financial side of these projects efficiently and accurately. Moreover, it offers integrated crew management, which is designed to ensure that all the personnel are well-coordinated and working together effectively.

Kuiper Triangle is equipped to handle the travel and logistics arrangements for any project including the arrangement of transportation and accommodation for personnel, as well as ensuring that all necessary equipment and supplies are in place and ready for use.





## VEHICLES & EQUIPMENT

Triangle Group's vehicles and equipment arm, **THE (Triangle Heavy Equipment)**, supplies a wide range of the world's finest vehicles and equipment machinery providing full operational solutions. It has also expanded its operations to cover the region through its subsidiary, Triangle International Heavy Equipment (**TIHE**) Established in the U.A.E.



Heavy Transportation



Power generation



Material Handling



Air compression



After-Sales  
Service Provider

**Triangle Heavy Equipment (THE)** is a top-tier provider of vehicles, construction equipment, and heavy machinery, catering to the needs of the Egyptian and wider regional markets. With a focus on delivering exceptional customer service, **THE** has established a comprehensive "3S" solution, encompassing sales, spare parts, and after-sales support.

The cornerstone of **THE's** service offering is its state-of-the-art 13,000 square-meter. meter facility, equipped with the latest tools and technology to ensure the highest levels of efficiency and reliability. This is supported by a network of sub-dealers and a fleet of mobile service vehicles, allowing **THE** to respond quickly to customer needs and provide round-the-clock support.







**THE** team consists of highly skilled and experienced professionals, bringing a wealth of technical expertise and market knowledge to every customer interaction. This, combined with **THE's** commitment to continuous improvement and investment in the latest technologies, positions the company as a trusted partner for customers seeking the highest levels of service and quality. **THE** is proud to represent a diverse portfolio of the world's leading brands.

**The brands represented include:**

- Renault Trucks
- FG Wilson
- Compair
- ELGI Compressors
- HYSTER
- Freightliner
- Aeolus Tires

In 2022, **THE** established its subsidiary, Triangle International Heavy Equipment (**TIHE**) in the United Arab Emirates, with the objective of expanding its reach and serving the needs of neighboring countries and the whole region.







## INVESTMENT

Triangle Group Investments capitalize on investing in new strategic opportunities both locally and abroad.



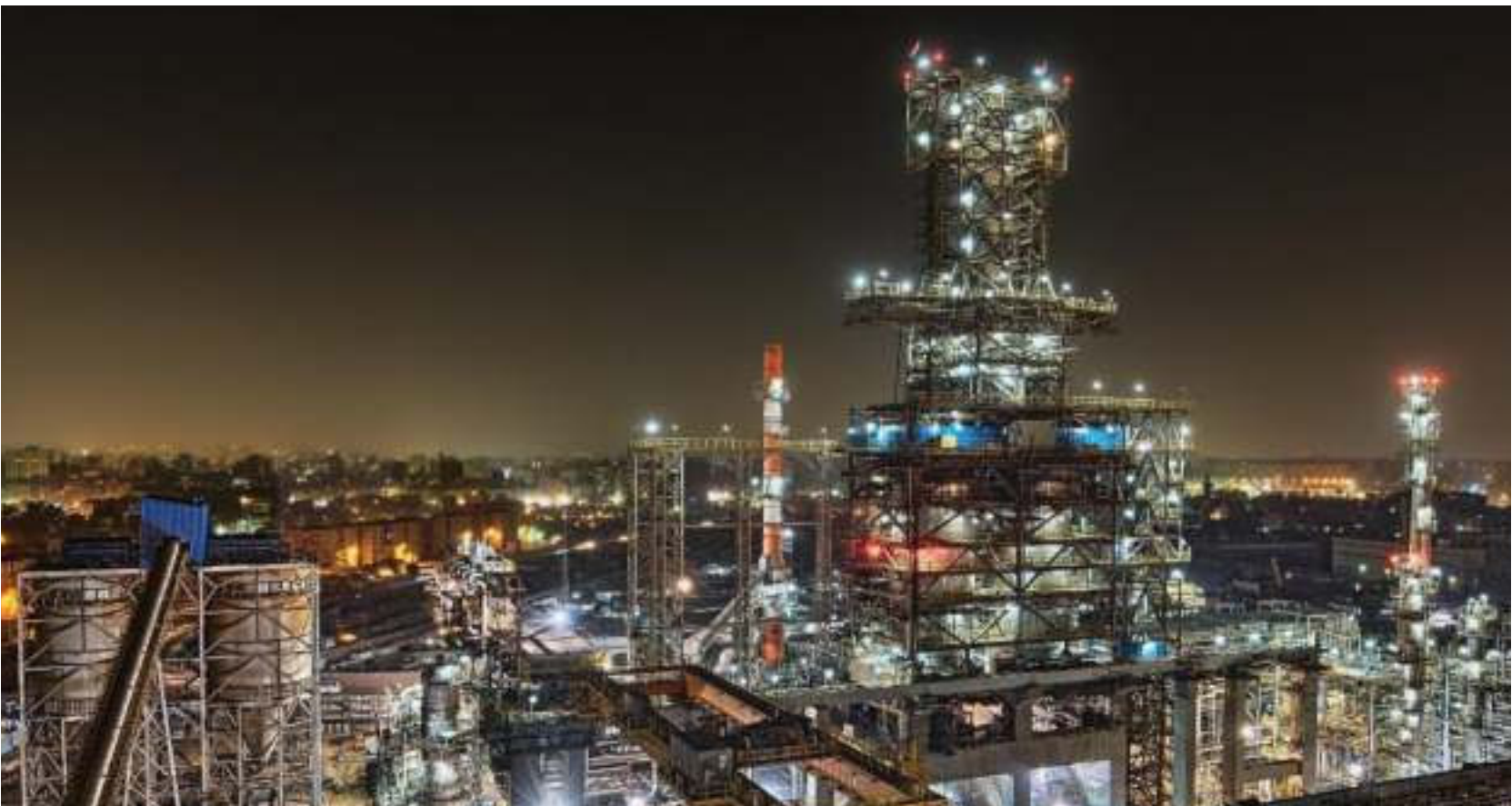
**TRIANGLE GROUP** is a founding partner of **Raya** and has been a shareholder since 1997.

**Raya** Holding for Financial Investments is an investment public company headquartered in 6th of October Egypt. As the parent company, it manages a diversified investment portfolio in the fields of:

- Information Technology
- Data Center Outsourcing
- Contact Center
- Smart Buildings
- Consumer Electronics
- Food and Beverage
- Land Transport
- E-payments

**Raya** Holding empowers more than 14,000 proficient employees, accommodating a wide international customer base from on ground operations spanning Egypt, KSA, UAE, Bahrain, Poland and Nigeria.





### THE EGYPTIAN REFINING COMPANY (ERC)

is one of TRIANGLE Group's most significant investments in the Oil & Gas sector.

Operating a \$4.2 billion state-of-the-art greenfield oil refinery in Mostorod, Egypt, **ERC** enjoys a production capacity of up to 4 million tons of refined product.

**ERC** is on a mission to develop Egypt's downstream capabilities and limit the country's dependency on petroleum imports.





## ENGINEERING & CONSTRUCTION



Client: Capital Group Properties, Egypt

Smart Village East – Cairo Ismailia Road, Cairo, Egypt

Total Built Up Area: 116,400 m<sup>2</sup> and 71,700 m<sup>2</sup> for work area

Scope of work: Turnkey project to execute 9 administrative buildings, a 3-story underground parking, in addition to an underground parking designated for each building.



Client: Ministry of Defense, Egypt

Tayran Bridge, Cairo, Egypt

Total Length and Width: 720 meters and 21 meters

Total Concrete: 17,500 m<sup>3</sup>

Steel Structure: 4,300 Tons

Construction Duration: 45 days

Scope of work: Construction of two-way bridge (three lanes in each direction)



Client: Norwegian Scatec Solar Solutions

4 Solar PV Power Plants, Benban, Aswan, Egypt

Capacity: 260 MW Photovoltaic

Land Area: 3,840,000 m<sup>2</sup>



## ENGINEERING & CONSTRUCTION



Client: Sinoma CDRI, China - Armed Forces Engineering Authority, Egypt

Beni Suef GOE Cement Complex – Beni Suef, Egypt

Total Number of Silos: 6

Total Concrete: 65,000 m<sup>3</sup>

Total Production/day: 6,000 tons

Scope of Work: Construction of a production cement line carried out in 18 months



Client: Armed Forces Engineering Authority, Egypt

Ministry Buildings – Governmental District, New Administrative Capital, Cairo, Egypt

Total Built Up Area: 170,000 m<sup>2</sup>

Scope of Work: Turnkey project to execute 4 ministries including the Ministry of Health, Youth and Sports, Transport and Local Councils



Client: Samsung Corporation Engineering and Construction, Egypt

Samsung Factory – Beni Suef, Egypt

Total Built Up Area: 366,000 m<sup>2</sup>

Total Concrete: 38,000 m<sup>3</sup>

## ENERGY



### Maritime Services

Bourbon Offshore Triangle (**BOT**) has been providing different vessels to service the offshore oil and gas fields.

Projects concluded:

- Shell : Burullus
- ENI : Petrobel
- Subsea 7 : BP
- Saipem : Zohr project



### Drilling & Offshore construction

Triangle Energy Projects partnered with Saipem in the drilling, exploration, production and subsea equipment installation for several phases running from 2004 to 2015.

Client: Burullus Gas company



### LNG Supply

Triangle Energy Projects partnered with BW LNG in the supply of FSRU units since 2015. This cooperation is running till 2023.

Client: Egyptian Natural Gas Holding Company (EGAS)





## TRIANGLE TRADING & ENGINEERING



### Aviation

#### Management of Cairo Airport:

**TTE** partnered with Frankfurt Airport (Fraport) in securing the contract of managing all Cairo Airport Terminals for over 10 years covering all Cairo Airport Operations, Finance, Commercial, and Technical functions and resulting in high profits and efficient operation of Cairo Airport.



### Maritime

#### Dredging of New Suez Canal:

**TTE's** principal, Dredging International, executed 40 Million cubic meters of dredging work for Egypt's New Suez Canal to reach a depth of 24 meters; a strategic project that was an extremely fast track one completed in 8 months in 2015.



### Transportation

#### Client: Egyptian National Railways (ENR)

Triangle Trading & Engineering (**TTE**) partnered with world leaders to supply 120 diesel locomotives and subsequent spare parts to the Egyptian national railways authority



## INTERNATIONAL



**Qatar**

**Client: Sidra Medical & Research Center in Doha**

Triangle Qatar Connect for Projects (**TQC**) partnered with INSO to supply, install and integrate all medical, research, lab equipment and medical furniture.



**Iraq**

**Triangle Group through its joint venture TNI**

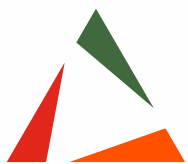
Over a period of 15 years since 2004, TNI have been the main distributor for IRAQNA then ZAIN for their operation in the GSM market throughout the country, reaching a market share over 25% of their total market sales.



**Libya**

**Client: Libyan Ministry of Transport.**

Triangle Trading & Engineering (**TTE**) partnered with world leaders to supply 30 diesel locomotives and subsequent spare parts to the Libyan Ministry of Transportation.



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