Consultant Engineering Office (CEO)

Profile of Consultant Engineering Office (CEO)

House of Experience over 15 Years

Areas of Expertise (Consultation, Management, and Training, Both Locally and Internationally)

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CEO

Consultant Engineering Office
مكتب الإستشارات الهندسية

DESCRIPTION

Consulting Engineering Office - CEO is a leading independent engineering firm specializing in the built environment, encompassing the planning, design, management of various engineering projects, and construction. Furthermore, we serve as consultants to several Egyptian Ministries and Governmental Organizations involved in Egyptian National projects, as well as collaborate with non-governmental companies.

Consulting Engineering Office - CEO is an engineering consulting firm providing professional services in Urban Design, Architectural Design, Interior Design, Structural Design, Mechanical and Electrical Engineering, as well as Sustainability Design and Execution across various sectors and building applications. These sectors encompass Commercial, Residential, Institutional, Recreational, Healthcare, Hospitality, Governmental, and Industrial projects, including industrial and environmental projects.

Our Firm provides technical expertise in the areas of Architectural, Structural, mechanical, electrical, plumbing and fire protection engineering; design of security, communication and controls systems, Sustainability Engineering, Energy Management, Building Commissioning, and Construction Management, and has provided these services in Egypt and other countries Region for the past years.

CEO Message

After spending numerous remarkable years in this country, I have had the privilege to witness the fluctuations of the global and national economy firsthand. Throughout these times, Egypt has consistently demonstrated its ability to set trends. Even in the current economic climate, as the slowdown in emerging markets begins to have global repercussions once more, Egypt remains steadfast in its path to gradual yet certain growth. This achievement is a testament to the wise and visionary leadership of Egypt.

Over the past decade, Egypt has experienced substantial growth. However, it has become evident that traditional infrastructure alone can no longer adequately meet the demands of habitation. We foresaw this evolution long ago and have been dedicated to enhancing the landscape by delivering modern and forward-thinking road and infrastructure developments, aligning with the visionary goals of Egypt's leadership.

We take immense pride in the fact that all the projects we have undertaken thus far exemplify cutting-edge advancements in Roads and Infrastructure Development in Egypt. Our exceptional team of architects, engineers, and planning professionals remains tirelessly committed to pioneering advancements in critical infrastructure projects.

In closing, I wish to emphasize that Consultant Engineering Office CEO's primary objective is to engineer projects that will revolutionize every facet of the construction process, as well as the roads and infrastructure sector, not only in Egypt but also in the GCC region. Together, we aspire to shape a modernized and progressive future for our industry.

Prof. Dr. Karim Emara, Chairman of Board of Directors, *Engkareem73@gmail.com*

Prof. Dr. Ahmed Hassan, Executive manager, *Ahmed.Ali@Usherbrooke.ca*

Vision

Our vision is to furnish our clients with solutions and services that prioritize safety, sustainability, and innovation while adhering to both local and international standards.

Mission

To strive to create a professional and creative environment for our staff to be able to apply their knowledge and expertise in a nurturing atmosphere.

Preface

Founded in 2008 in Cairo, Egypt, Construction Engineering Office (CEO) was established by a group of highly experienced engineers and architects. Over the years, CEO has emerged as a leading Engineering Consultancy firm in the region, specializing in Civil Engineering and Architectural Services. Starting modestly with a small team, we have now expanded to employ a workforce of over a hundred professionals, including Engineers, Architects, Cost Consultants, and Construction Management Experts.

CEO offers a comprehensive array of services, encompassing Environmental Projects, Construction Projects, Waste-to-Energy Projects, Waste Management, Bridges Design, Utilities and Networks Design, Contracts and Cost Consultancy, Construction and Program Management, Civil and Architectural Design, Electromechanical Design, Urban and Master Planning, Landscaping, and Transportation Planning. Our aim is to provide an integrated offering that caters to all our clients' needs.

Our success story has been shaped by our commitment to applying innovative, pioneering, and sustainable solutions, while empowering our talented employees. We greatly value the collaborative efforts of our clients, whose contributions have been instrumental in achieving the most effective designs in line with the CEO′ s objectives.

Leveraging our extensive experience, we have achieved significant milestones by successfully delivering numerous key projects not only within Egypt but also in various other countries for a diverse range of clients.


Our
Core
Values

Core Values:

Clients

As the CEO, our success is synonymous with the success of our clients. We set industry standards by delivering exceptional services and innovative solutions tailored to our clients' needs. We are deeply committed to solving our clients' challenges and exploring new opportunities alongside them. What sets CEO apart is our ability to understand our clients' specific requirements and consistently exceed their expectations.

Integrity

CEO's ascent to becoming a leading and respected firm in the industry is built on a foundation of ethical decision-making, unwavering commitment to keeping promises, and fostering an environment of mutual respect and trust for all. Integrity is at the core of everything we do.

Employees. Our journey of success would not have been possible without the dedication, respect, and encouragement we extend to our employees. As the CEO, our employees are the heartbeat of our business and the driving force behind our accomplishments. We value diversity and embrace a rich tapestry of ideas and cultures within our team.

Innovation

CEO goes the extra mile to foster innovation by tirelessly seeking creative, novel, and improved ways to deliver expertise across all aspects of our business. Creativity, exploration, and imagination are the cornerstones of our work ethos. Our innovative solutions are not just imaginative; they are also grounded in practicality, effectively meeting our clients' precise requirements.

Agility

CEO's passionate and well-trained workforce thrives on change, flexibility, and adaptability in the ever-evolving engineering market. In CEO, we proactively anticipate shifts in market dynamics and collaborate closely with our clients and employees to adeptly respond to these changes. This agility allows us to provide rapid solutions, ensuring the seamless execution of our clients' esteemed projects within planned timelines.

Strategic Aspirations

Expansion in the MENA Region:

Our mission is to embark on a strategic expansion across key regions in the Middle East and North Africa (MENA). In the initial phase of our development strategy, we will extend our operations to the capital city of Egypt by establishing new offices in New Cairo. This phase also encompasses additional expansions to meet the growing demand within Egypt.

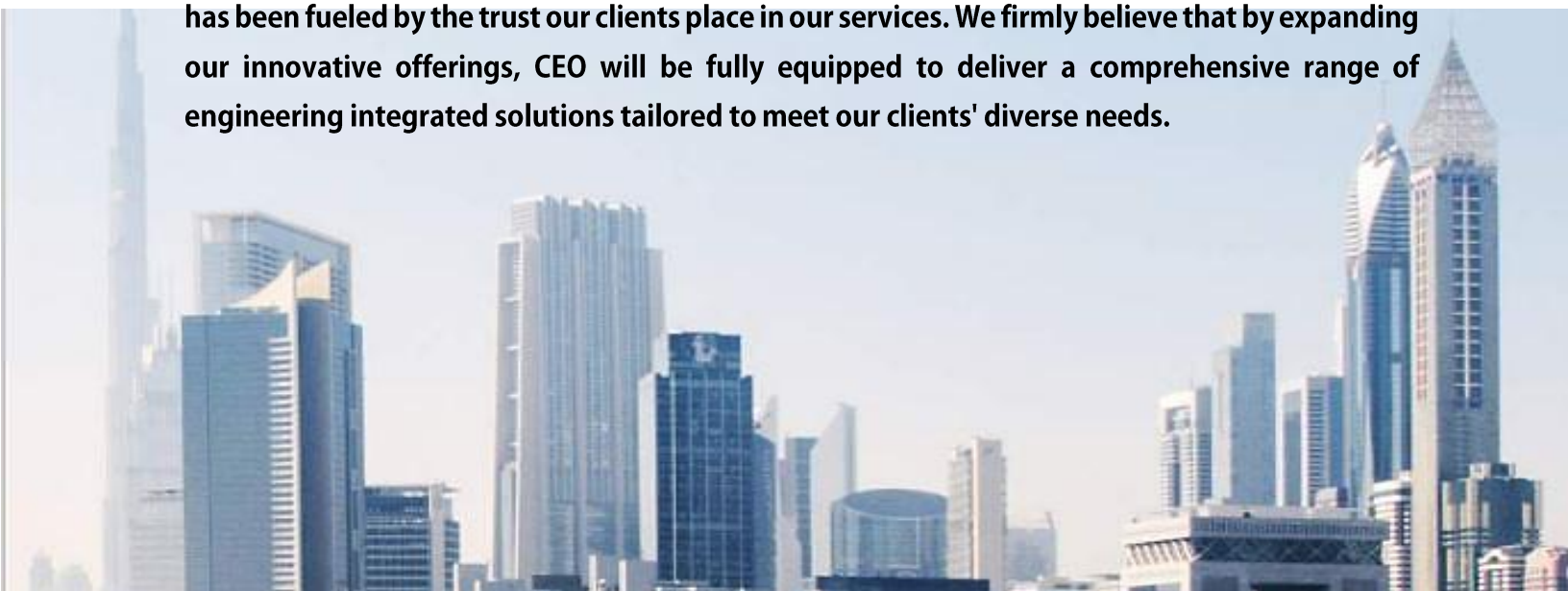
The subsequent phase will witness the launch of CEO branches in prominent countries within the Gulf Cooperation Council (GCC), including Saudi Arabia, Qatar, and Oman. These expansion efforts reflect our commitment to delivering our services across the MENA region and to the dominant markets within the GCC.

Collaboration with International Engineering Firms:

At CEO, we wholeheartedly embrace the value of teamwork. In our ongoing quest to enhance and expand our expertise and services for our clients, we are actively engaged in discussions with leading international engineering firms. These discussions are aimed at forging strategic alliances, enabling us to work in tandem with our international counterparts and further solidify our position as our clients' preferred choice.

Becoming Clients' One-Stop Shop:

CEO is committed to becoming the foremost destination for all engineering and architecture disciplines in the Middle Eastern region. A pivotal aspect of realizing this vision is the incorporation of new sectors into our portfolio of engineering consultancy services. Our growth has been fueled by the trust our clients place in our services. We firmly believe that by expanding our innovative offerings, CEO will be fully equipped to deliver a comprehensive range of engineering integrated solutions tailored to meet our clients' diverse needs.



CEO

CEO's Services

Architecture and Building Engineering:

The architecture industry has become increasingly demanding, with clients seeking unique and innovative designs while adhering to tight budgets and schedules. In today's competitive landscape, clients are unwilling to compromise on their requirements, including the demand for green and sustainable structures. At CEO, we enthusiastically embrace these challenges.

Our approach involves a thorough understanding of our clients' needs and aspirations, and we are dedicated to transforming their visions into reality. Our architectural team specializes in producing innovative designs for a wide range of projects, including residential, commercial, and various other building types. Additionally, we prioritize the implementation of best practices such as LEED certification, green building principles, and solar technology to create distinctive structures that are not only sustainable but also environmentally friendly.

CEO

Project and Construction Management:

CEO is a leading provider of Project & Construction Management services to civil engineering infrastructure and transport schemes. Our consulting engineers manage all project and construction activities including planning, co-ordination, control, and supervision. From inception to completion. We are committed to fulfilling clients' needs, delivering functional and cost-effective results.

Our project and construction managers are multi-skilled professionals with experience in most design disciplines and comprehensive knowledge of managing various types of contracts. We are proficient in all areas of project and construction management including planning, programming, site investigation and supervision, design management, contract administration, procurement and purchasing, and quality control and assurance. We have extensive experience in managing the interactions between the many different stakeholders within each project. Our team provides a single point of contact for all parties.

Contracts & Cost Consultancy

EC consultancy team provides the public and private

Contracts and Cost Consultancy:

CEO consultancy team provides the public and private sector with a comprehensive project consultation for pre-and-post contract administration, claims management, commercial and contractual support with a focus on minimizing client risks and enhancing value.

Solid Waste Projects:

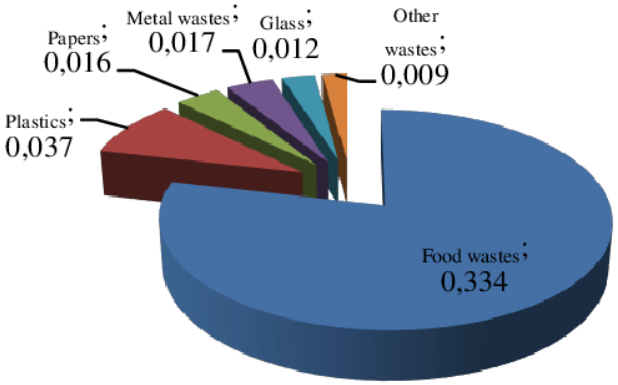
Our CEO's office is at the forefront of expertise when it comes to design and planning for Solid Waste Projects. Specializing in a range of crucial waste management solutions, including Waste Transfer Stations, Landfill Design, and Mechanical and Biological Treatment (MBT) plants, we lead the industry in creating sustainable and efficient solutions for managing solid waste. With a deep commitment to environmental stewardship and innovative engineering, our CEO's office continually pushes the boundaries of what is possible in waste management. Through a combination of cutting-edge technology and a dedication to sustainable practices, we are paving the way towards a cleaner and greener future for waste management, setting the standard for excellence in the industry.

Design the Mechanical and Biological Treatment (MBT) Plants for Solid Waste:

Our CEO's office is the driving force behind the meticulous design and execution of groundbreaking projects in the field of solid waste management. With a team of dedicated experts and a passion for innovation, we specialize in crafting custom solutions for Waste Transfer Stations, Landfill Design, and Mechanical and Biological Treatment (MBT) plants.

Solid Waste Characterization Studies

Waste Characterization studies play a vital role in waste management and environmental planning, and there is a growing demand for such services as businesses and governments seek to improve their waste management practices, enhance recycling efforts, and minimize environmental impacts. There are many key points considered CEO in conducting Waste Characterization Studies:



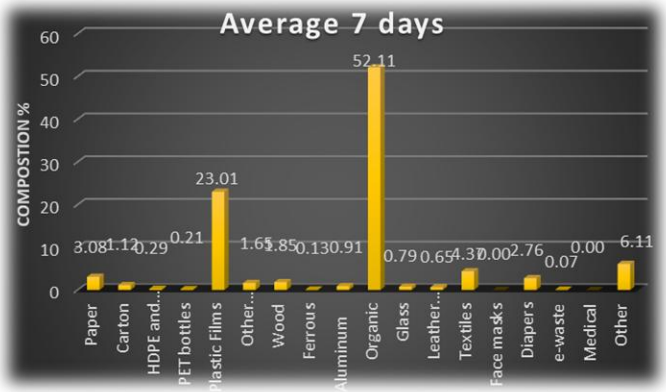
Expertise: Ensure that your team has the expertise and knowledge required to conduct accurate waste characterization studies. This may involve environmental scientists, chemists, engineers, and other professionals with relevant backgrounds.

Regulatory Compliance: Familiarize yourself with local, regional, and national waste management regulations and standards. Compliance with these regulations is crucial when conducting waste characterization studies.

Equipment and Resources: Invest in the necessary equipment and resources for sample collection, analysis, and data processing. This may include laboratory facilities, sampling tools, analytical instruments, and software for data management.

Sampling and Analysis Techniques: Be well-versed in various sampling and analysis techniques to collect representative samples and ensure accurate results. Different waste streams may require different methods.

Data Reporting: Develop standardized reporting methods to present the results of your studies in a clear and understandable format. Accurate and transparent reporting is essential for your clients and regulatory authorities.



Customized Solutions: Tailor your services to the specific needs of your clients. Different industries and organizations may have unique waste characterization requirements, so providing customized solutions can be a competitive advantage.

Environmental Impact Assessment: Offer services that go beyond basic waste characterization, such as assessing the environmental impact of waste and providing recommendations for reducing that impact.

Collaboration: Collaborate with local governments, businesses, waste management companies, and environmental organizations to expand your network and client base.

Stay Informed: Keep up to date with the latest developments in waste management, recycling technologies, and environmental regulations to provide the most current and effective solutions to your clients.

Public Outreach: Educate your clients and the public about the importance of waste characterization studies and their role in sustainable waste management.

Quality Assurance: Implement quality assurance measures to ensure the reliability and accuracy of your results.

Safety Precautions: Given that some waste materials may be hazardous, prioritize safety precautions for your team and the environment.

Water ways waste characterization

Waterways play a crucial role in Egypt's socio-economic fabric, supporting agriculture, transportation, and overall livelihoods. However, the issue of waterway pollution, particularly due to Municipal Solid Waste (MSW), has emerged as a significant environmental concern with far-reaching consequences. The interaction between growing urbanization, waste generation, and improper waste disposal practices has contributed to the degradation of Egypt's water bodies. This has prompted the need for a comprehensive understanding of the challenges posed by MSW pollution in Egypt's waterways and the potential solutions to address this complex issue.

Solid Waste Transfer Station

Our CEO's office has established a remarkable track record in the field of solid waste management, having designed numerous Waste Transfer Stations not only in Egypt but also in various countries worldwide. Our extensive portfolio showcases a wealth of experience and expertise in creating efficient and sustainable solutions for waste transfer and management.

Our innovative designs have not only transformed the waste management landscape in Egypt but have also left a lasting impact on communities and regions across the globe. Our commitment to excellence and environmentally responsible practices has made us a trusted partner in addressing the challenges of solid waste management on a global scale.

Whether it's in Egypt or any other country, our CEO's office continues to lead the way in designing Waste Transfer Stations that pave the path toward cleaner, more efficient, and sustainable waste management systems.

Sanitary Landfills for Municipal Waste:

Our CEO's office boasts a wealth of experience in designing state-of-the-art Sanitary Landfills for municipal waste management. With a dedicated team of experts at the helm, we have successfully developed and executed landfill projects that adhere to the highest environmental and regulatory standards. Our extensive knowledge and innovative approaches have enabled us to create landfill designs that not only provide safe and efficient disposal of municipal waste but also prioritize environmental sustainability. From site selection and engineering to waste containment systems and gas management, our CEO's office leaves no stone unturned in ensuring that our landfill designs are not only technically sound but also environmentally responsible. Through our commitment to excellence and a deep understanding of waste management dynamics, we continue to lead the industry in delivering sustainable solutions for the responsible disposal of municipal waste.

Highways and Bridges

With the growing need for highways and bridges, the CEO's office stands prepared to assist our clients through its extensive expertise in civil, structural, and transportation engineering. Our services are individually tailored to each project, aiding our clients in the delivery of design drawings, precise cost estimations, and material assessments. We excel in guiding projects to meet crucial milestones while exceeding client expectations for the final deliverable. Our track record is a testament to our proficiency, innovation, and inventive problem-solving in the realm of highway and bridge design. This legacy has consistently yielded high-quality highways and bridges, ensuring a secure and seamless transportation environment for all end users.

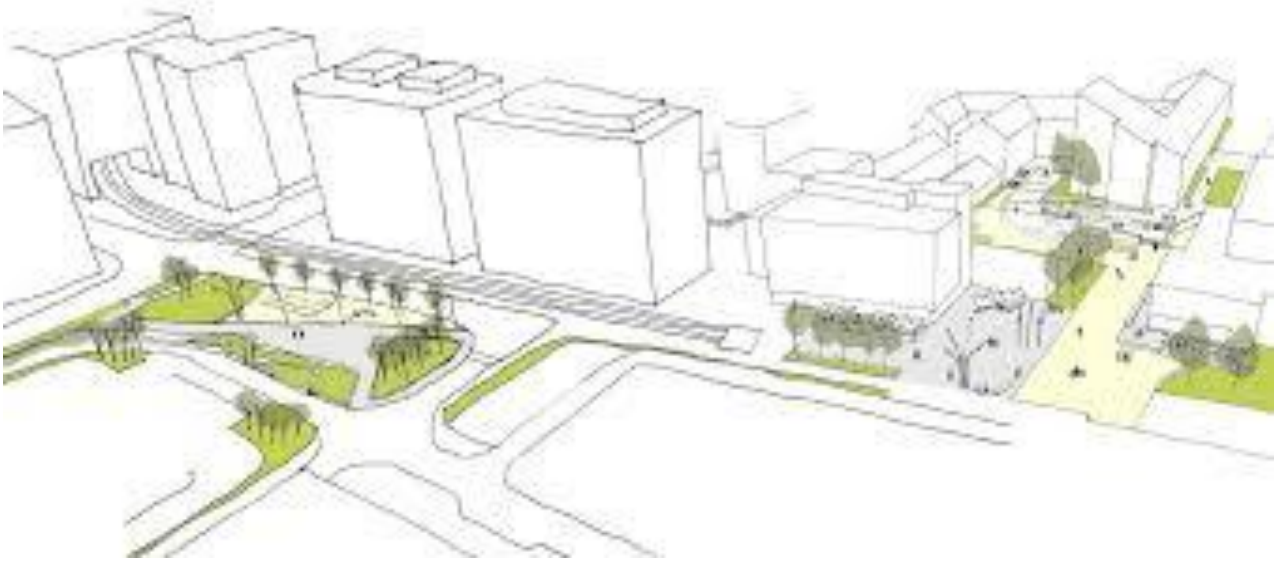
Utilities and Infrastructures

In our CEO's office, we embrace the challenge of crafting exceptional infrastructure designs that stand as a hallmark of our expertise. As a respected engineering consultancy, we recognize the imperative of meeting the utility service needs of the public in accordance with the rigorous standards mandated by local utility authorities. Our utility team is composed of highly qualified engineers who adeptly manage both dry and wet infrastructure services.

Landscaping and Public Realm

In the realm of Landscaping and Public Realm, we firmly hold the belief that these components demand meticulous design consideration. We approach these aspects with a holistic perspective, striving to influence the development of spaces that seamlessly harmonize with their urban surroundings. Our approach considers various facets, including visual aesthetics, cultural significance, heritage preservation, and the enduring aspirations of the communities they cater to.

CEO´ s office has a well-established history of successfully executing landscaping projects that not only yield substantial cost savings but also minimize waste and reduce disruptions to the local environment. In doing so, we wholeheartedly align our efforts with the aspirations and desires of the communities we serve.



The Urban and Master Planning

Movement is essential to the growth and longevity of sustainable communities and that successful places have a clear integrated movement framework and are developed at the human scale. As societies become increasingly aware of the need for coherent and sustainable living environments, effective urban planning and development has become a high priority. CEO´ s works closely with our clients to develop master plans usually through a workshop process to provide design advice and expertise in relation to movement issues for development projects. Our technical master planning services help develop urban areas in a holistic, integrated manner resulting in healthy, safe places in which people can thrive, communities can grow, and the environment can flourish.


Our Approach

Integrated Management Systems-Capability Statement

It is the policy of the CEO to strive for operational excellence and supply its clients with a service that is above their expectation that complies with contractual and agreed requirements. Operations will follow applicable rules, regulations, and legislation. The integrated management system allows normal business decision-making processes to control monitor & reduce risks and verify performance.

CEO is striving to achieve the highest management standards with emphasis placed upon managing and controlling risks. CEO delivers a high-quality product, implements highly safe working practices, protects the environment, and continuously improves the skills and performance of all involved to achieve Quality.

CEO is committed to enhancing client satisfaction, continual improvement, and effectiveness of the integrated management system. This integrated policy is appropriate for the organization and provides the framework for establishing objectives and targets. There is a constant drive to satisfy our clients, while always being mindful of our responsibility to our customers, employees, and the community. This involves the active participation, endeavor, and ideas of all involved. These high standards of work will be achieved by operating to a quality and environmental integrated management system that meets the requirements of ISO 9001.

The system is based on the attitude of CEO towards quality, industry standards, and client expectations. Compliance with this policy, objectives, procedures, and work instructions is mandatory and binding upon all working for CEO. This Policy is communicated and understood within the organization and is available to the public, clients and interested parties and will be reviewed for continuing relevance.

CEO

Sustainability

CEO cares deeply about the impact our work leaves on our world and our communities. As a global citizen we are committed to our purpose to innovate, and sustain the world′ s built, natural, and social environments.

- ***Our ultimate goals are derived from CEO′ s Core Values:***
- ***Help our clients be more successful in a changing future.***
- ***Operate all our systems to reduce waste and consumption to maximize opportunity and innovation.***
- ***Build an inclusive corporate culture that understands sustainability as a framework for decision making to manage risk and create opportunity.***

Sustainability is an idea that transcends all our business sectors. It is as much about how we frame the questions as it is about what we do, and it brings with it tremendous opportunities to do more with less, to create value, to prosper and to optimize conditions for human development over time.

Our strong commitment to sustainability guides our approach in everything we do, beginning with the moment we respond to a Request for Proposal and pull together the best minds and skill sets from our resources to examine the issues.

Our Achievements

Our Previous Work in The Field of Solid Waste Management

Project: Design of Mechanical Biological Treatment Plant (MBT) in Mahalla city, Gharbiya, Egypt for Solid Waste Recycling

- ***Integrated engineering design (including architectural, structural, mechanical, and electromechanical aspects) and the supervision of project implementation and installation.***
- ***Project: Mahalla Factory located in Gharbia Governorate.***

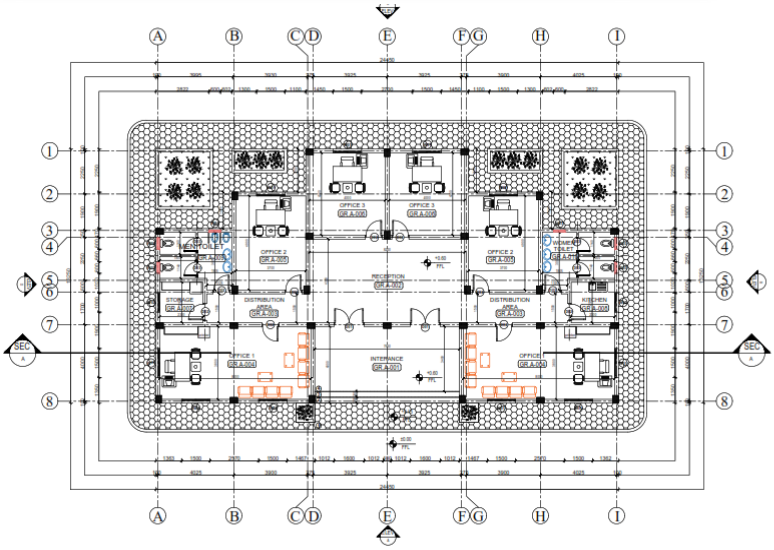
- ***The factory is designed to have a daily processing capacity of 320 tons.***
- ***The project covers an expansive area of 9 acres.***
- ***The project was successfully implemented in the year 2021 AD.***
- ***The total cost of the project amounted to 99 million Egyptian pounds.***
- ***Location: Mahalla al-Kubra, Gharbia Governorate, Egypt.***

Project Overview

The project entails the establishment of a sorting line with a designed capacity of 20 tons per day, primarily serving the ball bearing manufacturing industry. This comprehensive project includes various essential components and facilities to support its operations and ensure efficiency:

1- Reception Area: A designated space, covered with a metal truss, serves as the initial point for receiving materials.
2- Sorting Line: The project features an impressive 80-meter-long sorting line equipped to handle the sorting process efficiently.
3- Equipment Garage: A dedicated garage provides shelter and storage for essential equipment.
4- Car Garage: A designated space for vehicle storage and maintenance.
5- Truck Scale: A specialized scale ensures accurate measurement of incoming materials.
6- Scale Room: A control room for monitoring and managing the weighing process.
7- Security Room: A secure room for surveillance and safety purposes.
8- Reject Storage Area: A designated space to manage and store rejected materials.
9- RDF Storage Area: A facility for storing Refuse-Derived Fuel.
10- Fine Screening Line: A processing line for fine screening materials.
11- Destoner Line: A specialized line for destoning processes.
12- Fermentation Area: An area designed for fermentation processes.
13- Maturation Area: A space dedicated to the maturation of materials.
14- Compost Storage: A facility for the storage of composted materials.
15- Administration Building: A building to house administrative functions and offices.
16- Concrete Wall: A perimeter wall encompassing the entire project area.
17- Maintenance Workshop: A facility for equipment maintenance and repair.
18- Fire-Fighting Tank: A tank for fire-fighting purposes to ensure safety.
19- Sewage Tank: A tank for sewage management.
20- Filtration Tank: A tank for water filtration.
21- Electric Generator: A backup power source to ensure uninterrupted operations.

This project represents a comprehensive and well-thought-out endeavor that encompasses various facets of waste management and processing, contributing to a more efficient and sustainable approach in the ball bearing manufacturing industry.

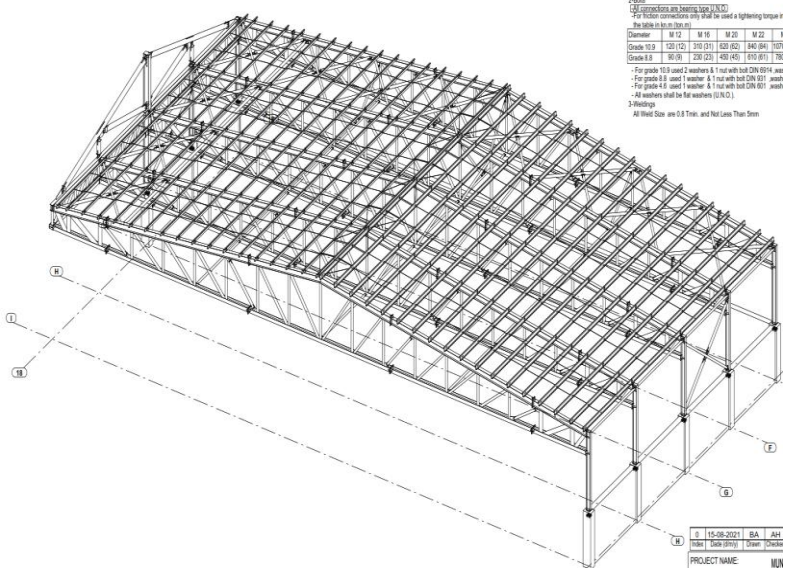


NOTES:-
1-All dimension are in mm & levels are in m.
2-Bolts:
- All connections are bearing type (X.N.C).
- For friction connections only shall be used a tightening torque ir
the table in kn.m (lbm.m)

Diameter	M 12	M 16	M 20	M 22	
Grade 10.9	120 (12)	310 (31)	620 (62)	840 (84)	1071
Grade 8.8	90 (9)	230 (23)	450 (45)	610 (61)	78

- For grade 10.9 used 2 washers & 1 nut with bolt DIN 6914 ,was
- For grade 8.8 used 1 washer & 1 nut with bolt DIN 931 ,washi
- For grade 4.6 used 1 washer & 1 nut with bolt DIN 601 ,washi
- All washers shall be flat washers (U.N.O.).

3-Weldings:
All Weld Size are 0.8 Tmin. and Not Less Than 5mm



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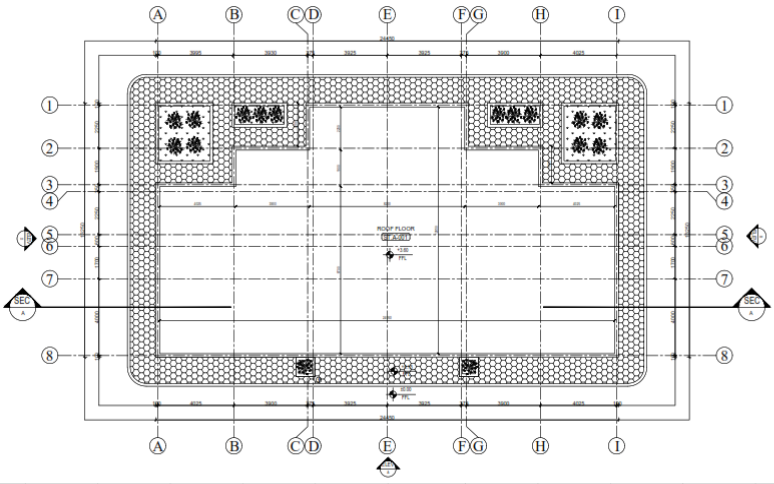

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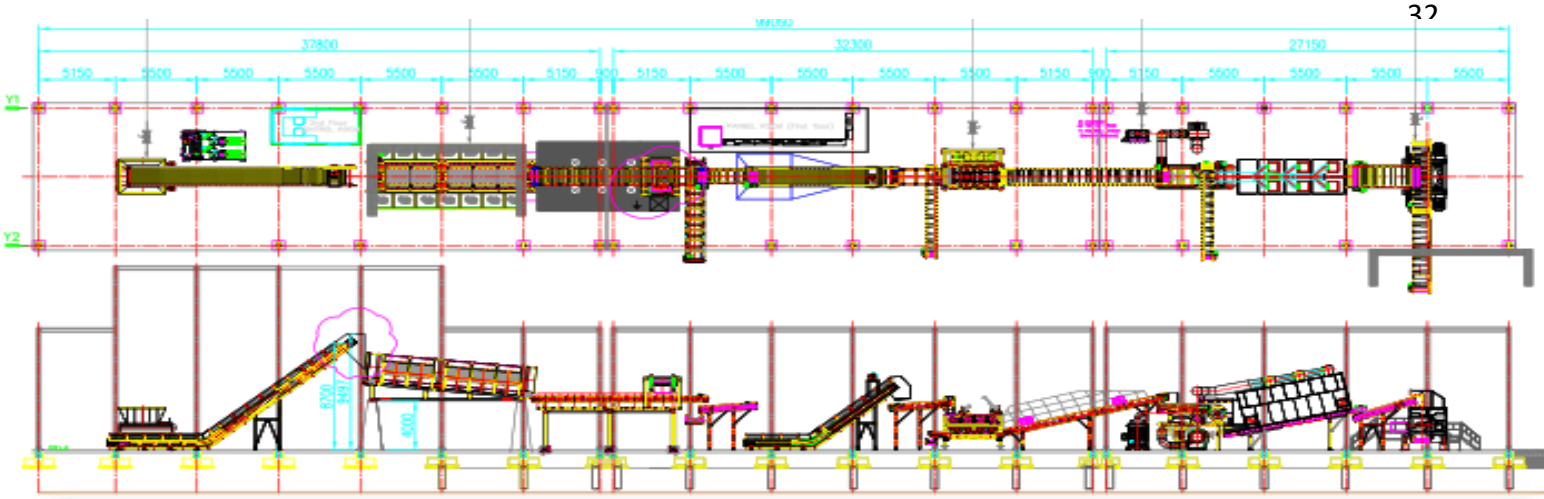

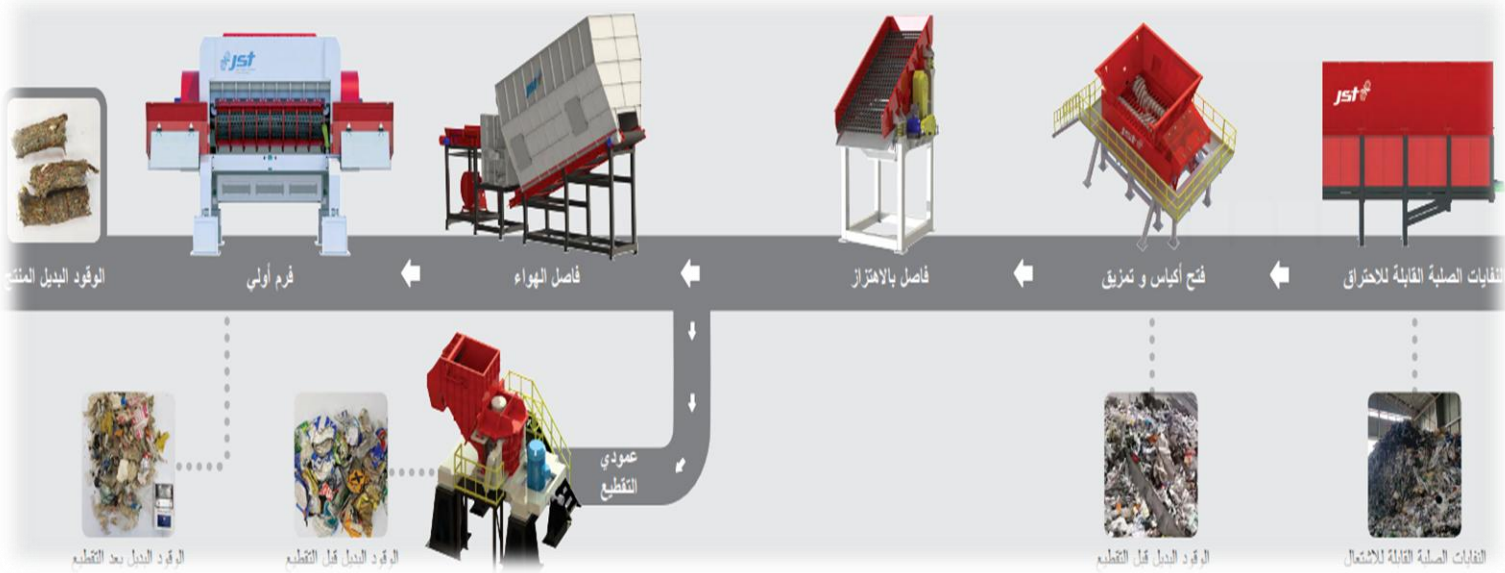

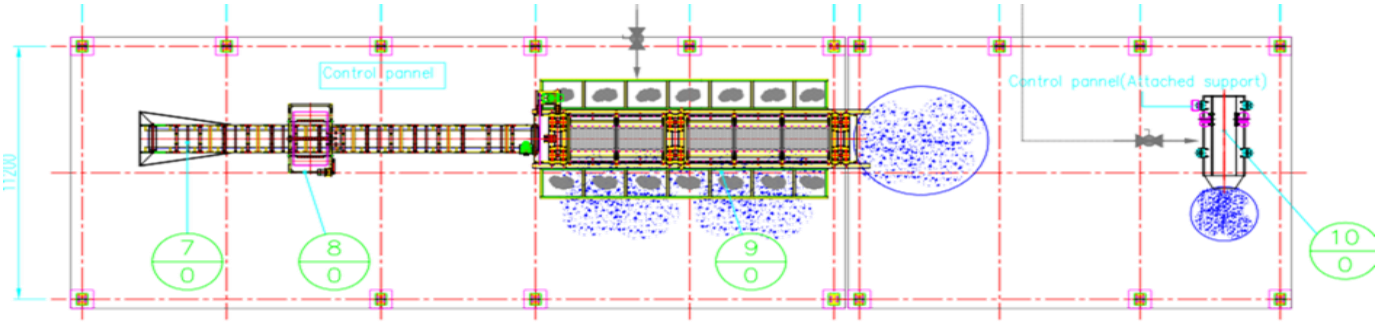

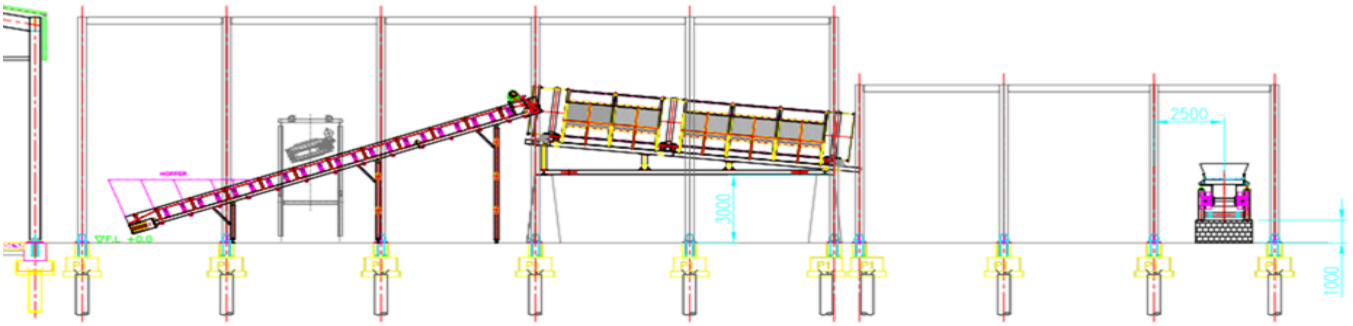

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Project: Design of Mechanical Biological Treatment Plant (MBT) in SANDOUB, DAQAHLIA, Egypt for Solid Waste Recycling, 1200 ton/day

Project Overview:

The SANDOUB factory, located in DAKAHLIA Governorate, involved comprehensive integrated engineering design encompassing architectural, structural, mechanical, and electromechanical aspects. The project also included diligent supervision throughout the implementation and installation phases. With an impressive design capacity of 1,200 tons per day, this ambitious project covered a sprawling area of 18 acres.

Key Project Details:

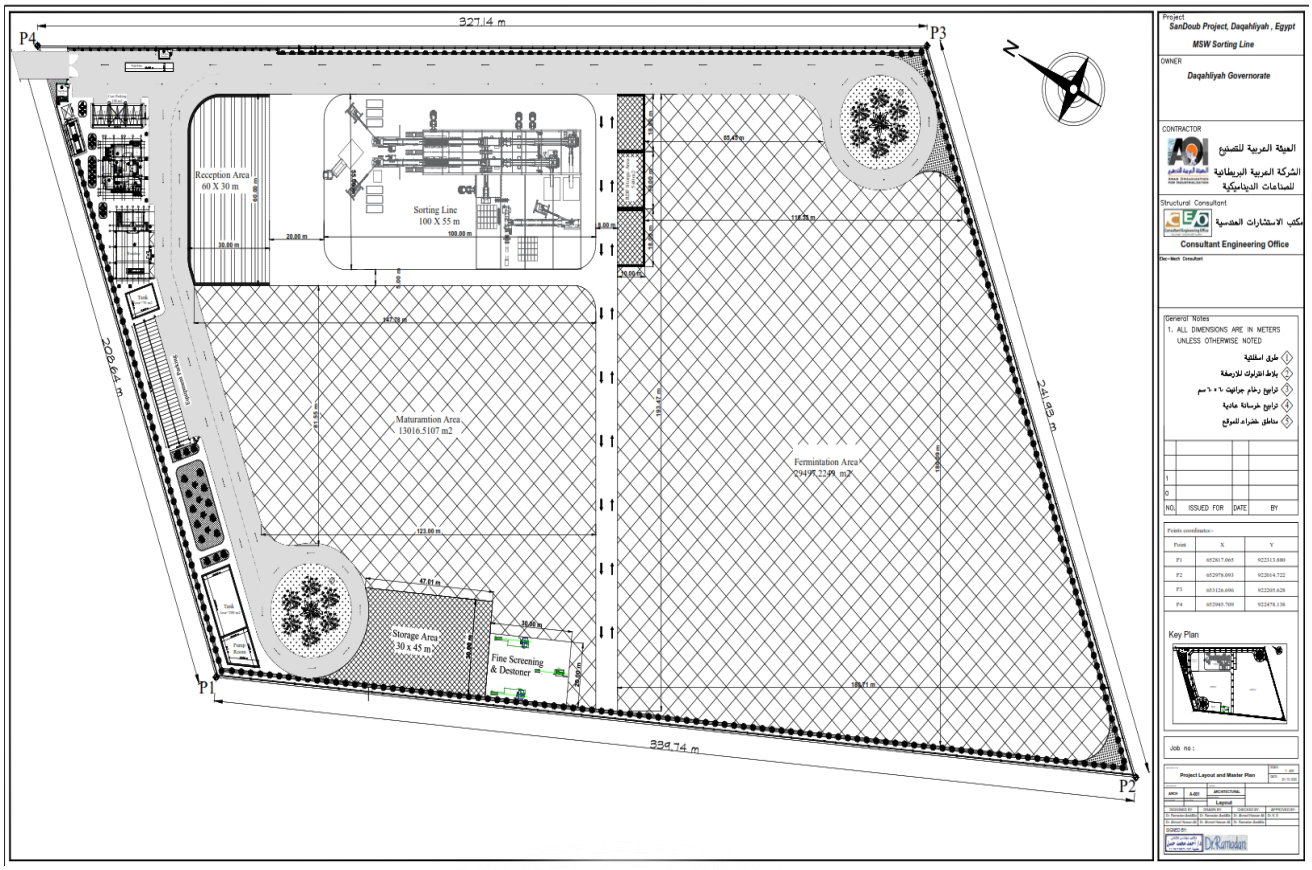
- Year of Project Implementation: 2019
- Total Project Cost: 230 million Egyptian pounds
- Project Location: SANDOUB area, DAKAHLIA Governorate
- Production Line Equipment: Sourced from European manufacturers.

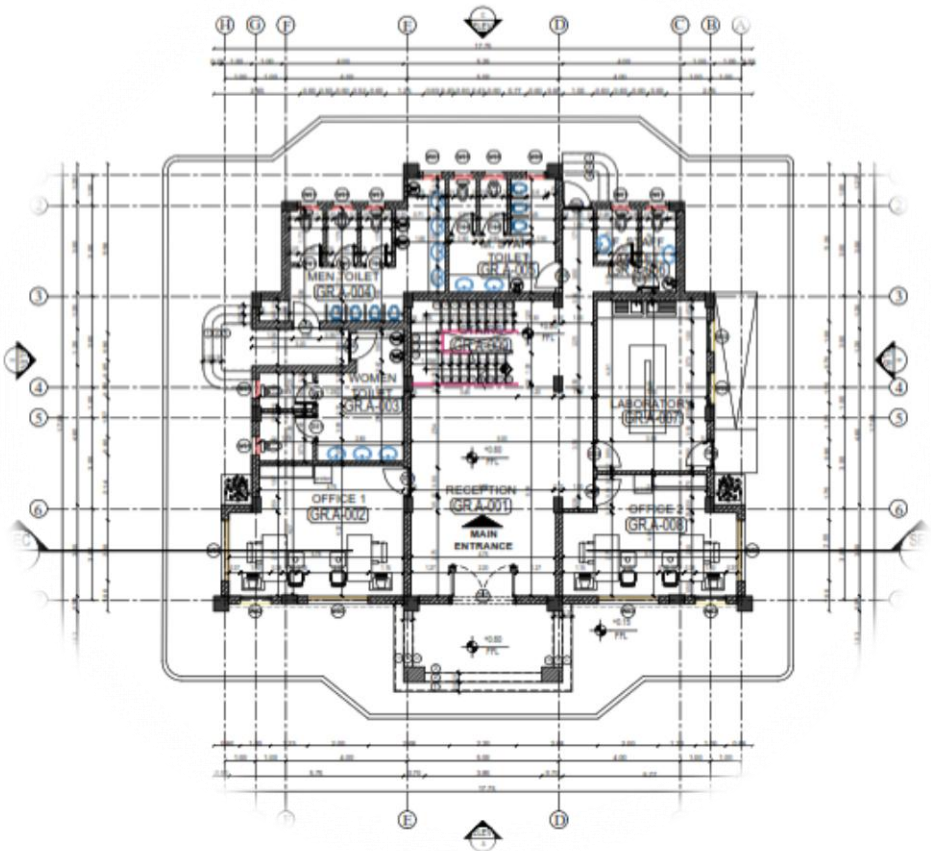
Project Scope:

The SANDOUB factory project spanned an extensive 18-acre site and encompassed a wide range of essential components and activities, including:

- Integrated Civil Works: Comprehensive civil engineering activities were undertaken to create a strong foundation for the facility.
- Integrated Architectural Works: Architectural design and construction were seamlessly integrated into the project to ensure functional and aesthetic excellence.
- Integrated Mechanical Works: The mechanical aspects of the project were meticulously planned and executed to ensure optimal efficiency.
- Electromechanical Works: The integration of electromechanical systems added sophistication to the facility's operations.
- Study and Analysis of Municipal Solid Waste: Thorough research and analysis of samples of municipal solid waste were conducted, forming the basis for effective waste management strategies.

The SANDOUB factory project represents a significant investment in waste management infrastructure, emphasizing efficiency, sustainability, and compliance with European standards. It plays a crucial role in addressing waste management challenges and contributes to the development and progress of DAQAHLIA Governorate.





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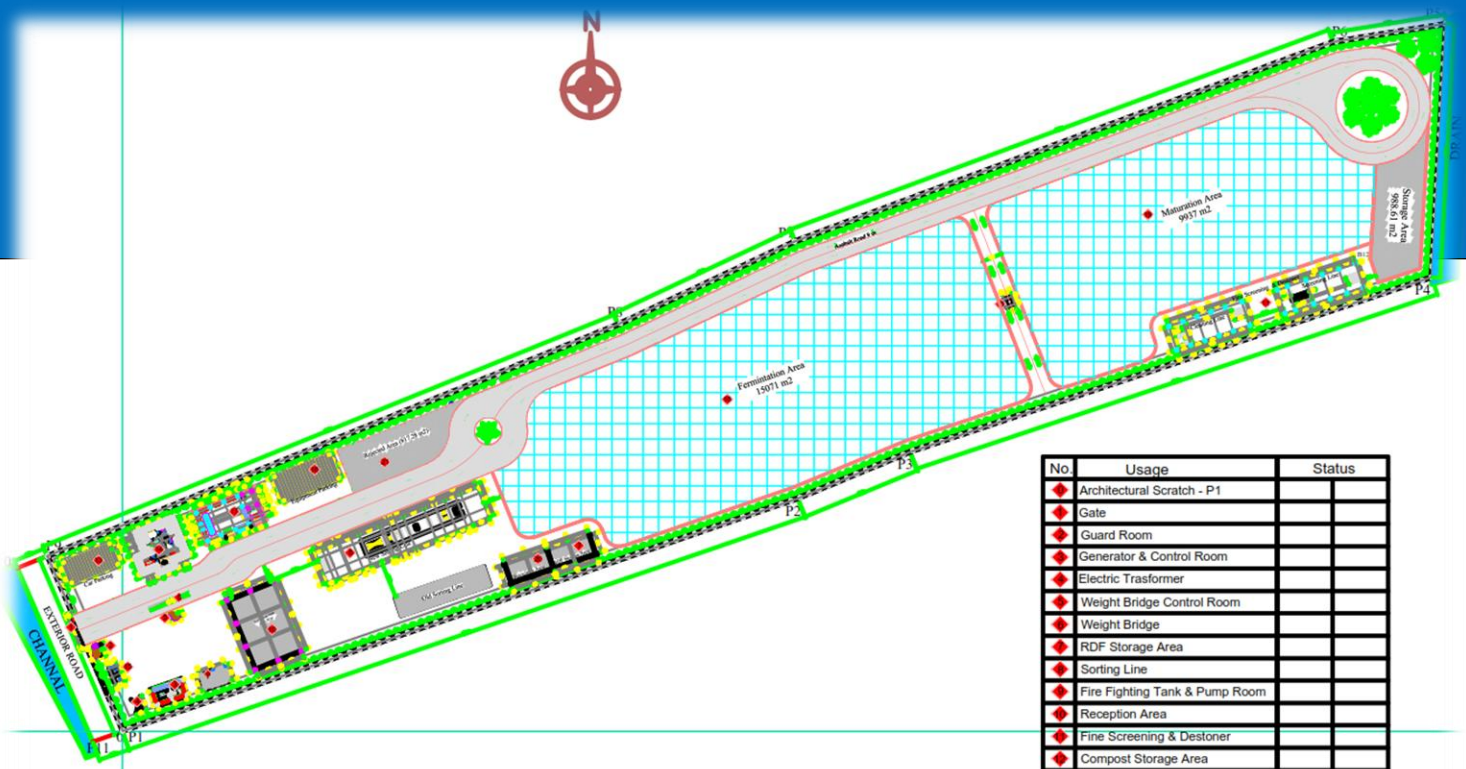
مكتب الإستشارات الهندسية

Project: Design of Mechanical Biological Treatment Plant (MBT) in MANZALLA, DAQAHLYI, Egypt for Solid Waste Recycling ,600 ton/day



No.	Usage	Status	
	Architectural Scratch - P1		
	Gate		
	Guard Room		
	Generator & Control Room		
	Electric Trasformer		
	Weight Bridge Control Room		
	Weight Bridge		
	RDF Storage Area		
	Sorting Line		
	Fire Fighting Tank & Pump Room		
	Reception Area		
	Fine Screening & Destoner		
	Compost Storage Area		
	Car Parking		
	Administration and Labour Building		
	Septic Drain Tank		
	Equipment Parking		
	Workshop & Maintenance Building		
	Fermintation Area		
	Maturation Area		
	Recycable Area		
	Rejected Area		

Project Overview:

Project Overview: The Manzala Factory, situated in Dakahlia Governorate, underwent a comprehensive integrated engineering design encompassing architectural, structural, mechanical, and electromechanical aspects. Additionally, meticulous supervision was maintained throughout the implementation and installation phases. With a design capacity of 500 tons per day, this project spanned an expansive area of 11 acres.

Key Project Details:

- Year of Project Implementation: 2021 AD
- Total Project Cost: 155 million Egyptian pounds
- Project Location: Al-Manzala area, Dakahlia Governorate
- Production Line Equipment: Sourced from European manufacturers.

Project Scope:

The Manzala Factory project covered a substantial 12.7-acre site and entailed a diverse range of crucial components and activities, including:

- Integrated Civil Works: Extensive civil engineering undertakings were executed to establish a solid foundation for the facility.
- Integrated Architectural Works: Architectural design and construction were harmoniously integrated into the project to ensure functionality and aesthetic appeal.
- Integrated Mechanical Works: Meticulous planning and execution of mechanical systems were conducted to maximize operational efficiency.
- Electromechanical Works: The integration of advanced electromechanical systems enhanced the sophistication of the facility.

The Manzala Factory project signifies a substantial investment in waste management infrastructure, prioritizing efficiency, sustainability, and compliance with European standards. It plays a pivotal role in addressing waste management challenges and contributes to the progress and development of Dakahlia Governorate.

Project: Kitchener Drain Depollution Project – Design And Construction For Four Mechanical Biological Treatment Facilities MBTs With Capacity Of 600 Ton /Day For Each Facility

Project Overview:

The Kitchener Drain Depollution Solid Waste project ("the Project") is a component of a larger investment program aiming at the de-pollution of the Kitchener Drain (the "Program") alongside wastewater & sanitation and drain infrastructure rehabilitation investment components. The Program will be the first of its kind in Egypt by adopting an "integrated" approach to tackle several sources of pollution at simultaneously to achieve maximum impact and synergies.

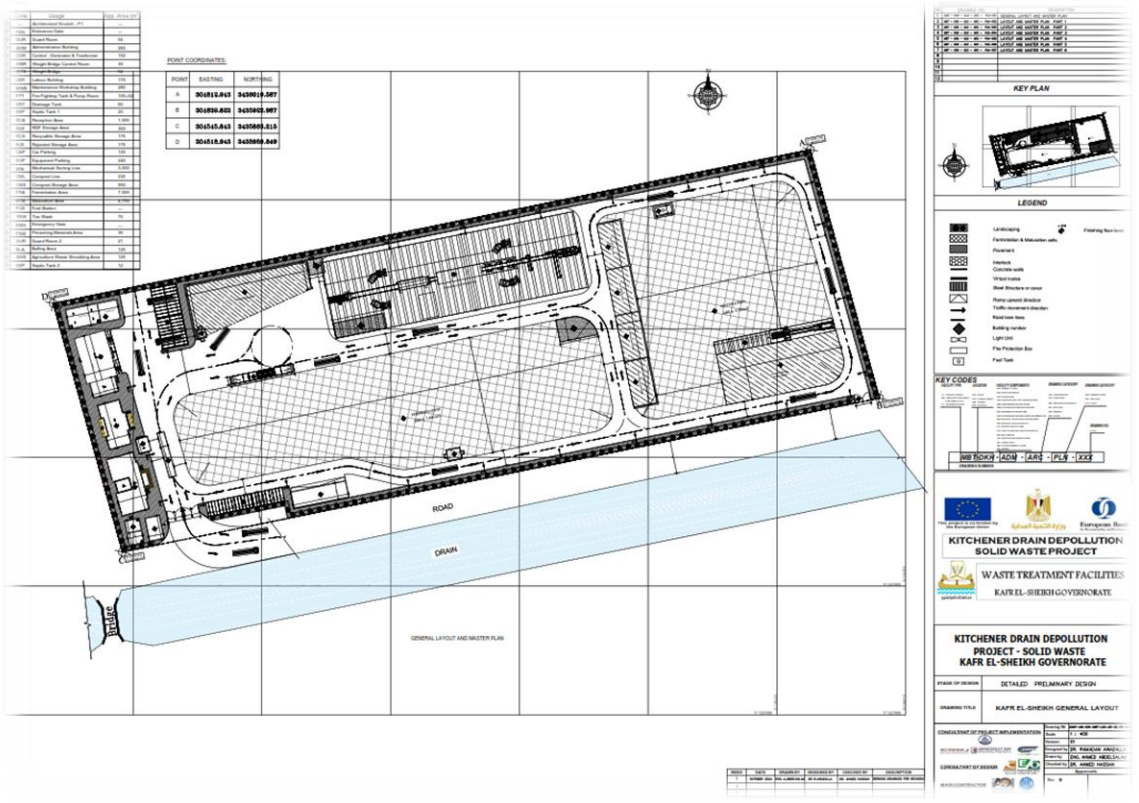
Key Project Details:

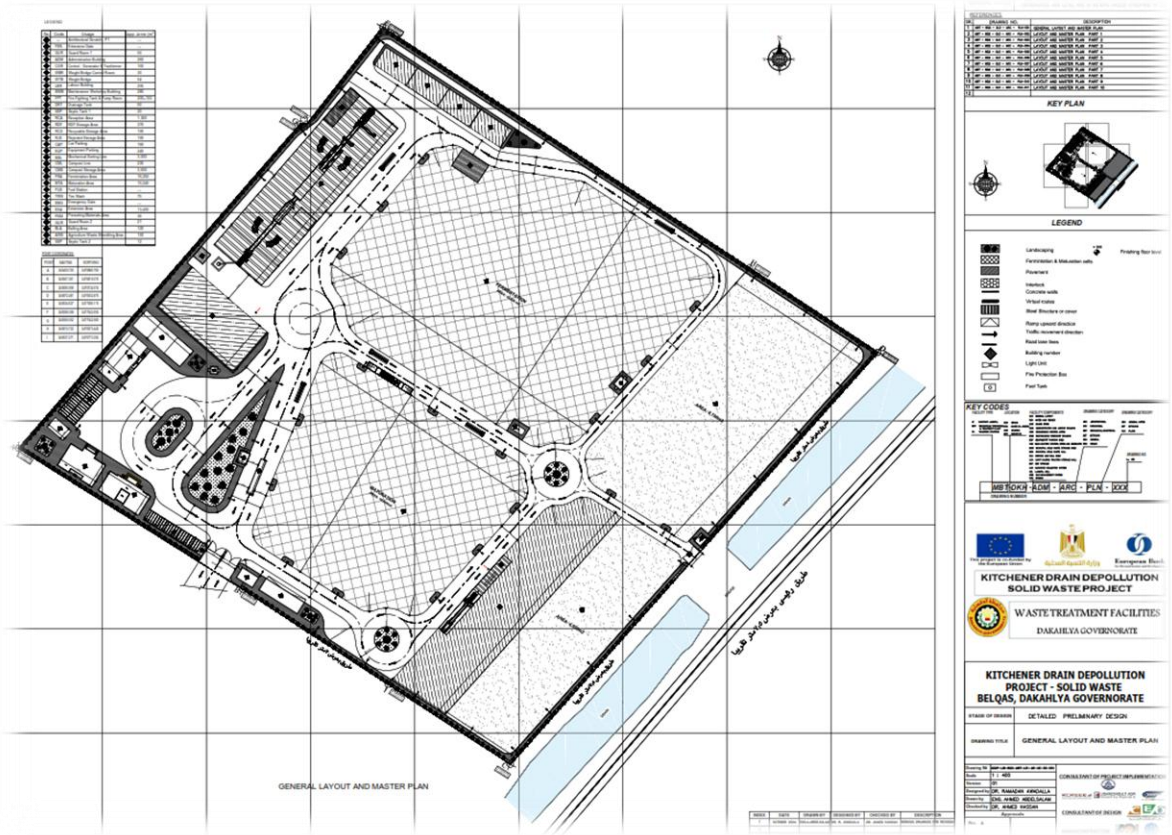
- Year of Project Implementation: 2024- ongoing
- Total Project Cost: 38.38 million USD$
- Project Location: Dakahlia and Kafr el Sheikh Governorates
- Production Line Equipment: Sourced from European manufacturers.

Project Scope:

The project includes design and super vision for the following MBTs:

- El Hamoul MBT (Kafr el Sheikh governorate), 600 ton/day
- Belqas MBT (Dakahliya governorate)), 600 ton/day
- Kafr el Sheikh MBT (Kafr el Sheikh governorate)), 600 ton/day
- Desouq MBT (Kafr el Sheikh governorate)), 600 ton/day


POINT COORDINATES
ROAD
DRAIN
GENERAL LAYOUT AND MASTER PLAN
KEY PLAN
LEGEND
KEY CODES
KITCHENER DRAIN DEPOLLUTION
SOLID WASTE PROJECT
WASTE TREATMENT FACILITIES
KAFR EL-SHEIKH GOVERNORATE
KITCHENER DRAIN DEPOLLUTION
PROJECT - SOLID WASTE
KAFR EL-SHEIKH GOVERNORATE
DETAILED PRELIMINARY DESIGN
KAFR EL-SHEIKH GENERAL LAYOUT


GENERAL LAYOUT AND MASTER PLAN
KEY PLAN
LEGEND
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SOLID WASTE PROJECT
WASTE TREATMENT FACILITIES
DAKAHLYA GOVERNORATE
KITCHENER DRAIN DEPOLLUTION
PROJECT - SOLID WASTE
BELQAS, DAKAHLYA GOVERNORATE
DETAILED PRELIMINARY DESIGN
GENERAL LAYOUT AND MASTER PLAN

Other Project on Design of Mechanical Biological Treatment Plant (MBT) for Solid Waste Recycling :

In the year 1920 AD, our team accomplished the integrated engineering design, comprising architectural, structural, mechanical, and electromechanical aspects, for the Mito Bas factory situated in Kafr El-Sheikh Governorate. This advanced facility was engineered with a substantial design capacity of 500 tons per day, covering an expansive 9-acre area.

Key Project Details:

- Year of Project Implementation: 1920 AD
- Total Project Cost: 140 million Egyptian pounds
- Project Location: Metops, Kafr El-Sheikh Governorate
- Funding Source: German Housing Development Bank (COW)

Project Description:

The project's primary focus was the meticulous engineering of the Mito Bas factory to ensure operational excellence. The facility's core features include:

- Integrated Engineering Design: This encompassed architectural, structural, mechanical, and electromechanical aspects, ensuring seamless functionality.
- High Design Capacity: The factory was designed to handle an impressive daily processing capacity of 500 tons.
- Expansive Site: The project spanned an extensive 9-acre site, allowing for efficient operations.
- Funding Support: Financial backing for the project was provided by the German Housing Development Bank (COW).
- Strategic Location: The factory is strategically located in Metops, Kafr El-Sheikh Governorate, with additional financing from the World Bank (COW).

The Mito Bas factory project stands as a testament to our commitment to engineering excellence and innovation. Its rich history, going back to 1920 AD, showcases our dedication to advancing industrial infrastructure and fostering economic development in Kafr El-Sheikh Governorate.

Other Project on Design of Mechanical Biological Treatment Plant (MBT) for Solid Waste Recycling :

2- Obour Factory for Recycling Waste Tires (2016):

In the year 2016 AD, our team successfully executed the integrated mechanical design of the Obour factory, specializing in recycling used car tires. Our involvement extended beyond design to encompass supervision of installation, operation, and training processes. This innovative project was strategically located at the Society of Engineers in Obour City, Qalyubia Governorate.

Key Project Details:

- Year of Project Implementation: 2016 AD
- Project Location: Society of Engineers - Obour City - Qalyubia Governorate

Project Description:

The Obour factory project comprised two units, each with an impressive design capacity of 10 tons per day. These units were specifically designed for the purpose of recycling used car tires, yielding three valuable products:

- Petroleum Fuel: The recycling process results in the production of petroleum fuel in the form of oil, boasting a calorific value comparable to that of diesel fuel.
- Carbon Black: The factory also generates carbon black, a highly sought-after material in the rubber industries.
- Flammable Gas: During operation, the factory produces a flammable gas that serves various operational purposes.

This project at the Society of Engineers in Obour City highlights our commitment to sustainable and environmentally responsible solutions. Our integrated mechanical design and comprehensive involvement in installation, operation, and training processes exemplify our dedication to innovation and advancing recycling practices.

Other Project on Design of Mechanical Biological Treatment Plant (MBT) for Solid Waste Recycling :

3- Hebil - Luxor Factory for Recycling Plant (2018):

In 2018 AD, our team successfully undertook the planning and supervision of the rehabilitation work, aimed at enhancing the efficiency and operation of the municipal solid waste recycling plant located in Habil, Luxor. This vital project was strategically

Key Project Details:

- Year of Project Implementation: 2018 AD
- Project Location: Al-Habil area -

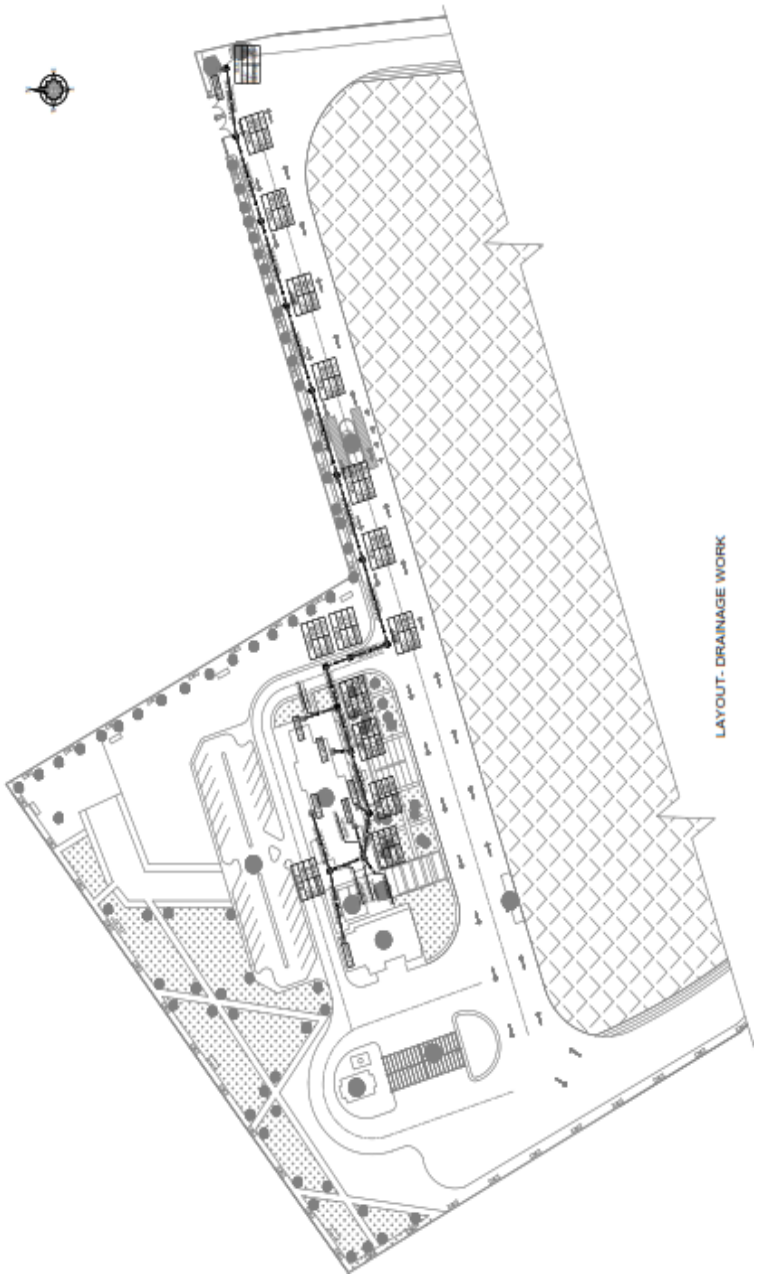
Project Description:

The municipal solid waste recycling plant in Habil, Luxor, was designed with a capacity to process 15 tons per hour through a local mechanical production line. This advanced facility is dedicated to producing three key products:

- RDF Alternative Fuel: The recycling process generates Refuse-Derived Fuel (RDF) as an alternative energy source.
- Organic Fertilizer Compost: The plant produces organic fertilizer compost, contributing to sustainable agriculture practices.
- Secretions: The facility efficiently manages and processes secretions as part of the waste recycling process.

This project underscores our commitment to eco-friendly waste management solutions and the advancement of recycling practices. Our role in planning, supervising, and enhancing the efficiency of this recycling plant demonstrates our dedication to promoting sustainability and environmental responsibility in Luxor Governorate.

Establishment of Sanitary Landfills for Solid Structures: Baltim Landfill, 2022



Project Overview:

In 2022 AD, the construction of the sanitary landfill located on the Manisi Baltim navigation land in Kafr El-Sheikh Governorate was successfully completed. This landfill was meticulously designed for the responsible disposal of waste across a vast area of 92 acres. Notably, this project received support from the World Bank.

Key Project Details:

- Year of Project Implementation: 2022 AD
- Total Project Cost: 200 million Egyptian pounds
- Project Location: Baltim - Kafr El-Sheikh Governorate.

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Project Description:

The scope of the project encompasses various essential components and facilities, including:

- Administrative Buildings: These structures serve as administrative hubs for the landfill's operations.
- Maintenance Workshop: A dedicated workshop facilitates equipment maintenance and repair.
- Fuel Area: An area is allocated for the storage and management of fuel resources.
- Garage for Cars and Equipment: A designated space for the shelter and maintenance of vehicles and equipment.
- Washing Area: A specialized area for cleaning and maintaining equipment.
- Truck Scale: A precision scale is installed for accurate measurement during waste disposal.
- Security Rooms and Scales: These rooms and scales are essential for ensuring the security and efficiency of the landfill.
- Sanitary Burial Cells: These cells are specifically designed for the proper and safe burial of waste.
- Mesh Fence: A perimeter fence constructed around the entire landfill provides additional security and containment.

The completion of the sanitary landfill project on the Manisi Baltim navigation land represents a significant milestone in responsible waste management. It underscores our commitment to environmental stewardship and efficient waste disposal practices in Kafr El-Sheikh Governorate, with support from the World Bank.

BALTIM Landfill, Kafr El-Sheikh Governorate, The World Bank

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Intermediate Transfer Station for Solid Waste (T.S)

1- MANSHIYET Nasser Transfer Station, Cairo : (2019)

Our office played a pivotal role in the planning, design, and supervision of 18 solid waste intermediate stations across the Arab Republic of Egypt in collaboration with the Arab Organization for Industrialization (A.O.I) as the executing entity. One such noteworthy project is the Waste Station in Manshiyet Nasser, Cairo.

Key Project Details:

- Year of Project Implementation: 2019.
- Total Project Cost: 30 million Egyptian pounds.
- Project Location: Mansheyet Nasser area, Cairo Governorate.

Project Description:

The Manshiyet Nasser Waste Station covers an extensive area of approximately 1,600 square meters and serves several vital districts, including the Central District, Mansheyet Nasser, Nasr City West, Abdeen, Al-Azbakeya, and Bab Al-Shaareya. The station has been thoughtfully equipped with essential facilities and features, including:

- Truck Scale: To ensure accurate measurement during waste reception.
- Receiving Platform: A designated area for efficient waste reception.
- Fire Pits: Safety measures are in place, including fire pits.
- Pump Set: Essential equipment for station operations.
- Building Cover: The entire station is covered, safeguarding its functionality.
- Waste Bin Parking: Five designated spaces under the sidewalk are allocated for waste bin parking and car washing.

Intermediate Transfer Station for Solid Waste (T.S)

2- Intermediate Waste Collection and Transport Station in Damanhour, Beheira: (2019)

Project Overview:

In 2019, we successfully implemented the Intermediate Waste Collection and Transport Station in Damanhour, Beheira Governorate. This essential facility plays a pivotal role in managing waste in the region, serving areas including Hosh Issa, Damanhour, and Mahmoudia. It has a waste capacity of 820 tons per day, with the waste being transported to the Hosh Issa factory for treatment and recycling. Rejected waste is subsequently transferred to the forthcoming Badr the governorate.

Key Project Details:

- Year of Project Implementation: 2019
- Project Location: Damanhour, Beheira Governorate

Project Description:

Spanning an area of 2,635 square meters, the station is equipped with key features and facilities to ensure efficient waste management:

- Truck Scale
- Reception Platform
- Fire Pits
- Pump Set
- Waste Bin Parking

The station plays a crucial role in the daily management of approximately 820 to 900 tons of waste, contributing to cleaner and more sustainable waste disposal practices in Beheira Governorate.

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Intermediate Transfer Station for Solid Waste (T.S)

3- Intermediate station for collecting and transporting waste, Youssef Al-Siddiq - Fayoum, 2020

Project Overview:

Its area is 4,000 square metres, and it has a ground scale for a 50-ton truck, concrete roads paved for the entry and exit of transport vehicles and loaders, and collection pits for liquids with a suitable drainage system and a sewage system. The station is equipped with a truck scale, a receiving platform, fire pits, a set of pumps, and 5 designated parking spaces for waste bins under the sidewalk and a washing machine. cars, adding that the station receives approximately 500 tons per day.

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Intermediate Transfer Station for Solid Waste (T.S)

4- The intermediate station for collecting and transporting waste, Al-Qanater Al-Khairiyah Station – Qalyubia (2023)

Project Overview:

Its area is 18,000 square metres, and it has a ground scale for a 50-ton truck, concrete roads paved for the entry and exit of transport vehicles and loaders, and collection pits for liquids with a suitable drainage system and a sewage system. The station is equipped with a truck scale, a receiving platform, fire pits, a pump set, and 5 parking spaces for waste bins under the sidewalk and a washing machine. cars, adding that the station receives approximately 500 tons per day

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Intermediate Transfer Station for Solid Waste (T.S)

5- The intermediate station for collecting and transporting waste in Kafr El-Dawwar-Beheira

Project Overview:

The station was established on an area of 3,450 square meters serving the area (Kafr al-Dawwar, Abu Homs, and Ibis) with a waste capacity of 800 tons/day, which will be transported to the Housh Issa Factory for processing and recycling, and the rejected waste will be transferred to the Badr landfill in the governorate, which is being completed.

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Intermediate Transfer Station for Solid Waste (T.S)

6- The intermediate station for collecting and transporting waste on Port Said Street – Cairo (2023)

The station, situated on a 4,381 square meter area, has the capacity to manage 1,500 tons of waste per day. This waste is subsequently transported to the plant for treatment and recycling.

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Intermediate Transfer Station for Solid Waste (T.S)

7- The intermediate station for collecting and transporting waste in Al-Qurain, Al-Sharqiyah Governorate (2021)

The station, situated on a 3,700 square meter area, has the capacity to manage 1,200 tons of waste per day. This waste is subsequently transported to the plant for treatment and recycling.

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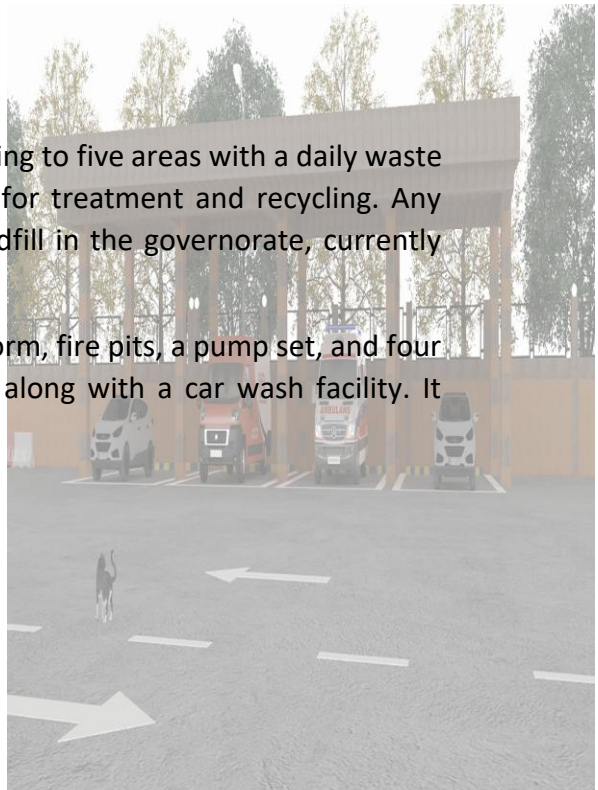
Intermediate Transfer Station for Solid Waste (T.S)

8- The intermediate station for collecting and transporting waste in Talla, Menoufia Governorate (2022)

Project Description:

The station was established on a 3,250-square-meter area, catering to five areas with a daily waste capacity of 800 tons. This waste is transported to the factory for treatment and recycling. Any rejected waste will be transferred to the forthcoming Badr landfill in the governorate, currently under construction.

The station is well-equipped with a truck scale, a reception platform, fire pits, a pump set, and four designated parking spaces for waste bins under the platform, along with a car wash facility. It receives approximately 800 to 1,200 tons of waste per day.



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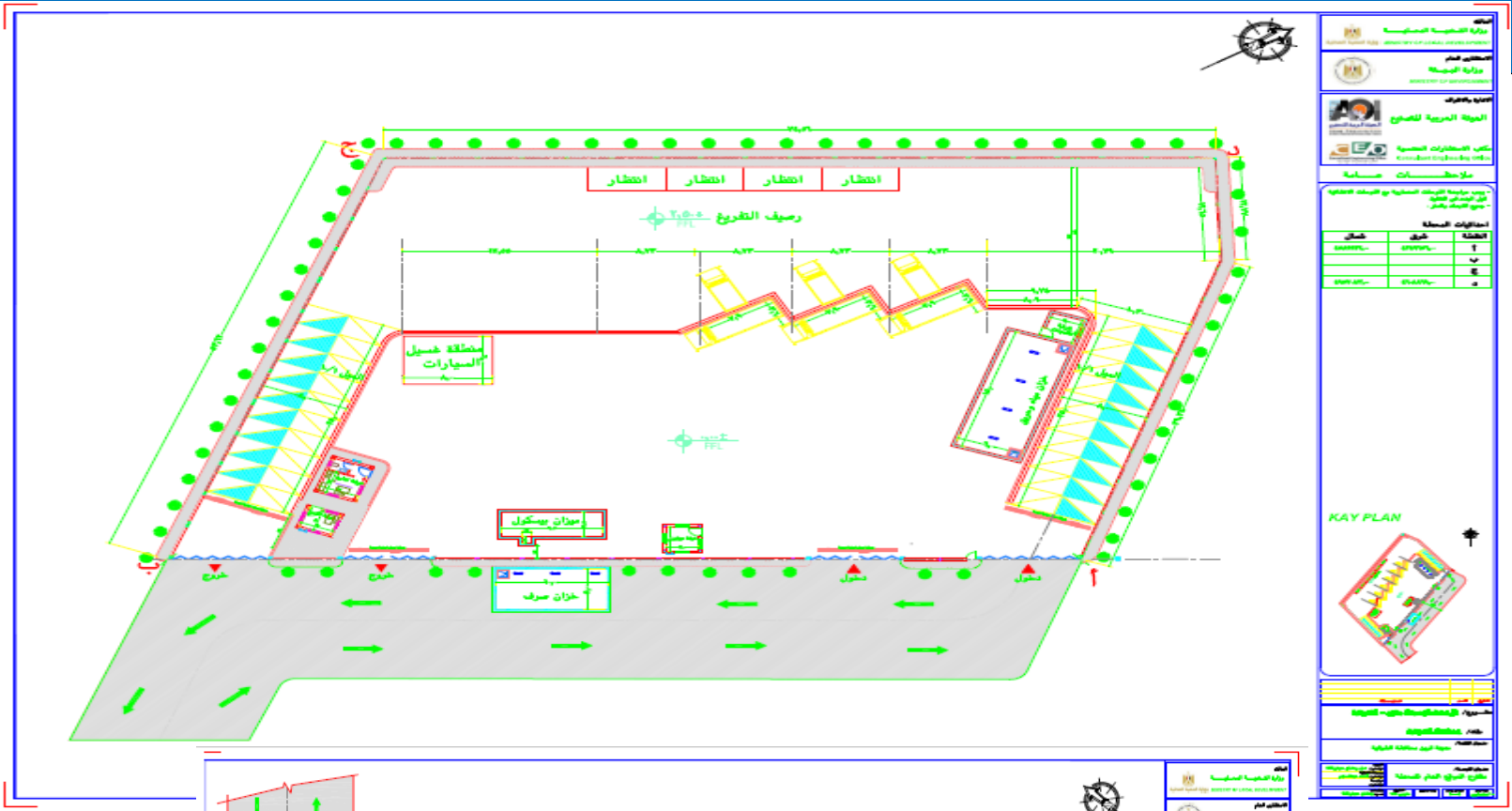
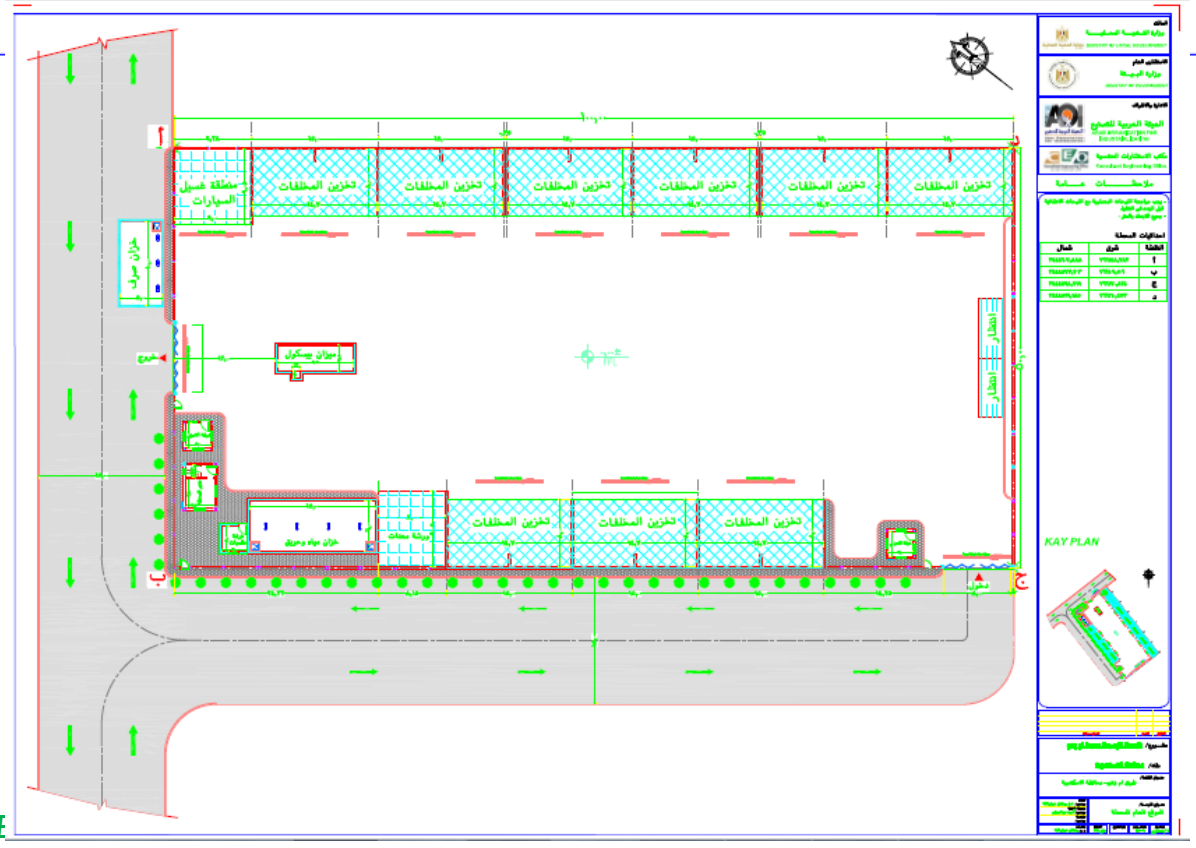
Other Intermediate Transfer Station for Solid Waste (T.S) in Different Cities

2018 to 2023





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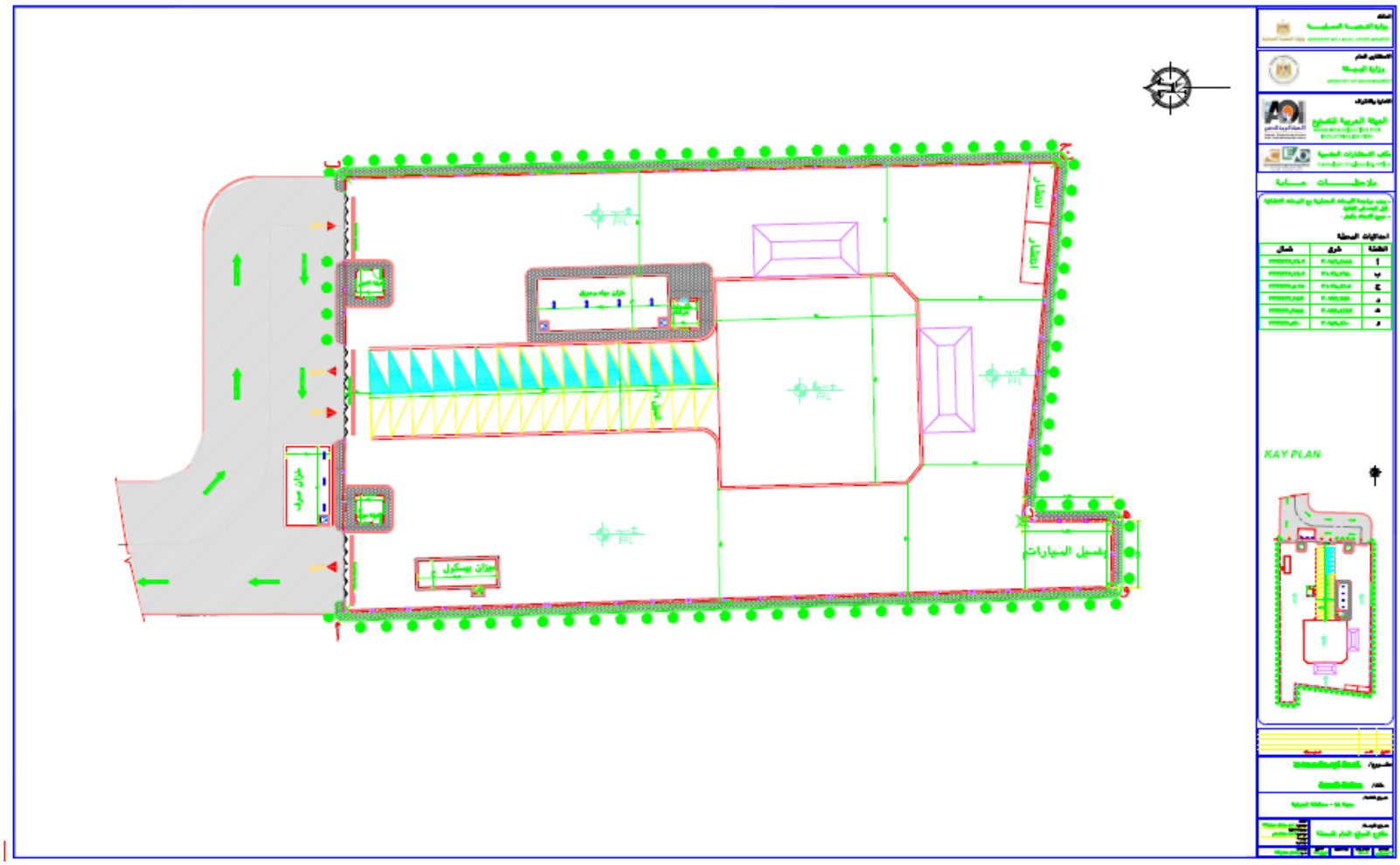
Other Intermediate Transfer Station for Solid Waste (T.S) in Different Cities

2018 to 2023



Talla Transfer Station

Intermediate Transfer Station for Solid Waste (T.S)
MARSAFA transfer station, QALUYBIA Governorate, World Bank (2024),

GREATER CAIRO AIR POLLUTION MANAGEMENT AND CLIMATE CHANGE PROJECT MANAGEMENT AND TECHNICAL SUPPORT CONSULTANT FOR WASTE MANAGEMENT COMPONENT GCAP

The Project is in, Kafr El Hamam- El MARSAFA City, QALYUBIA Governorate, Egypt.

Project description: the project is a part of greater Cairo air pollution management and climate change project management and technical support consultant for waste management component GCAP.

The transfer station with 1000 ton/day capacity to serve the around areas.

The client:

THE WORLD BANK
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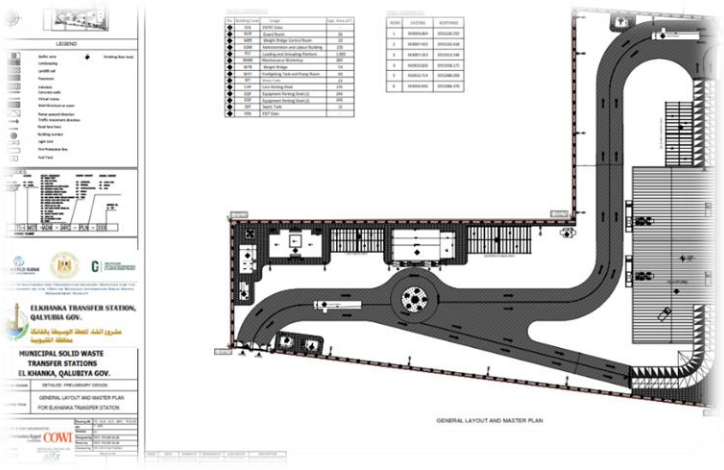
GREATER CAIRO AIR POLLUTION MANAGEMENT & CLIMATE CHANGE PROJECT

PROJECT STRUCTURING AND TRANSACTION ADVISORY SERVICES FOR THE ESTABLISHMENT OF THE 10TH OF RAMADAN INTEGRATED SOLID WASTE MANAGEMENT FACILITY

MARSAFAH TRANSFER STATION, QALYUBIA GOV.

مشروع انشاء المحطة الوسيطة بالمرصفا محافظة القليوبية

MUNICIPAL SOLID WASTE TRANSFER STATIONS
EL MARSAFA, QALUBIYA GOV.



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Intermediate Transfer Station for Solid Waste (T.S)
KHANKA transfer station, QALUYBIA Governorate, World Bank (2024),

GREATER CAIRO AIR POLLUTION MANAGEMENT AND CLIMATE CHANGE PROJECT MANAGEMENT AND TECHNICAL SUPPORT CONSULTANT FOR WASTE MANAGEMENT COMPONENT GCAP

The Project is in, El Khanka City, QALYUBIA Governorate, Egypt.

Project description: the project is a part of greater Cairo air pollution management and climate change project management and technical support consultant for waste management component GCAP.

The transfer station with 1000 ton/day capacity to serve the around areas.

The client:

THE WORLD BANK
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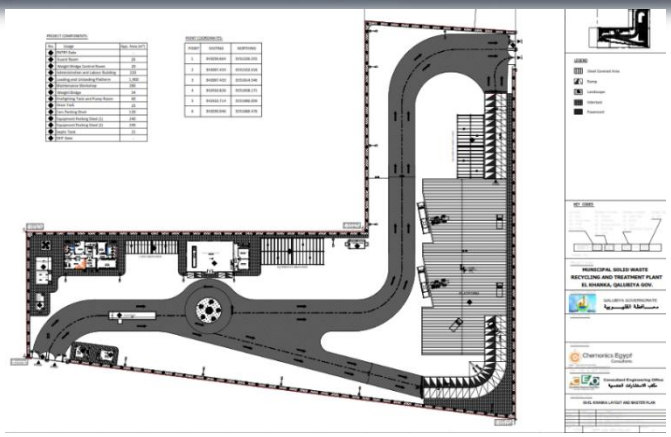
GREATER CAIRO AIR POLLUTION MANAGEMENT & CLIMATE CHANGE PROJECT

PROJECT STRUCTURING AND TRANSACTION ADVISORY SERVICES FOR THE ESTABLISHMENT OF THE 10TH OF RAMADAN INTEGRATED SOLID WASTE MANAGEMENT FACILITY

ELKHANKA TRANSFER STATION, QALYUBIA GOV.

مشروع انشاء المحطة الوسيطة بالخانكة محافظة القليوبية



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Management of Recycling Plants for Municipal and Agricultural Waste

Collaboration with Bedaya Company for the Establishment of an Agricultural Waste Recycling Factory in Luxor Governorate, involving:

- Providing consultancy services for the design of all mechanical equipment.
- Developing an operational plan for the factory.
- Overseeing the factory's operational processes to ensure optimal performance.

Factory Equipment:

- Three fine sorting lines (ground, upper, and fine).
- Two small RDF choppers (0.5 tons/hour) designed to process chopped waste, removing organic materials and converting them into burnable materials suitable for use in cement factories.
- Three large choppers (RDF 2-5 tons/hour) for processing waste by removing organic materials and converting them into burnable materials suitable for use in cement factories.
- Two agricultural tractors.
- One flap.
- Two loaders.

Environmental Services and Alternative Energy

In the field of design and manufacturing (solid waste):
Design and manufacture of a sorting line in Qena Governorate 2016
Design and manufacture of alternative fuel grinding machines. Design and manufacture of a mobile intermediate station in Luxor

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Environmental Services and Alternative Energy

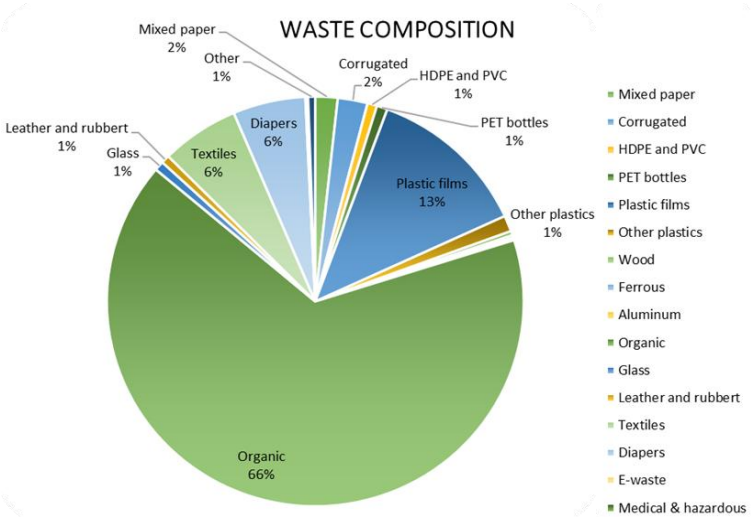
Seasonal Municipal Solid Waste Characterization Study in Giza Governorate

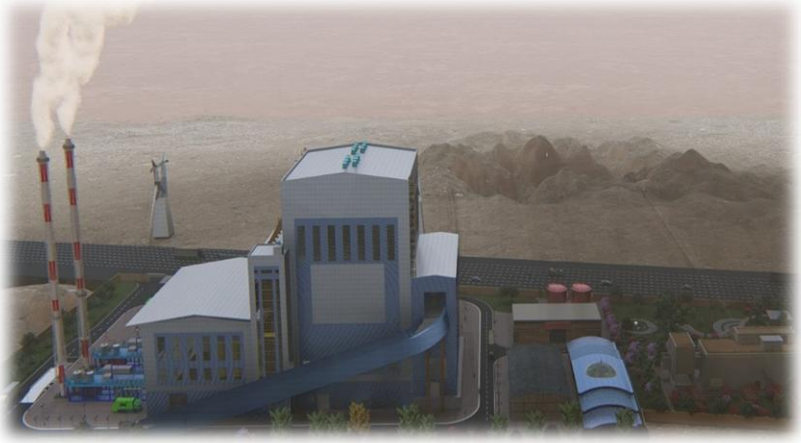
GREEN TECH EGYPT

شركة جرين تك مصر GREEN TECK EGYPT

Municipal Solid Waste Characterization Study

This field study aims to determine the characteristics and nature of municipal solid waste in the Giza Governorate. Which will be relied upon in preparing the appropriate design for the municipal solid waste treatment facility, commensurate with the nature of the site and the waste generated within the scope of the service.





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Waste To Energy W2E Projects

Renergy group partners

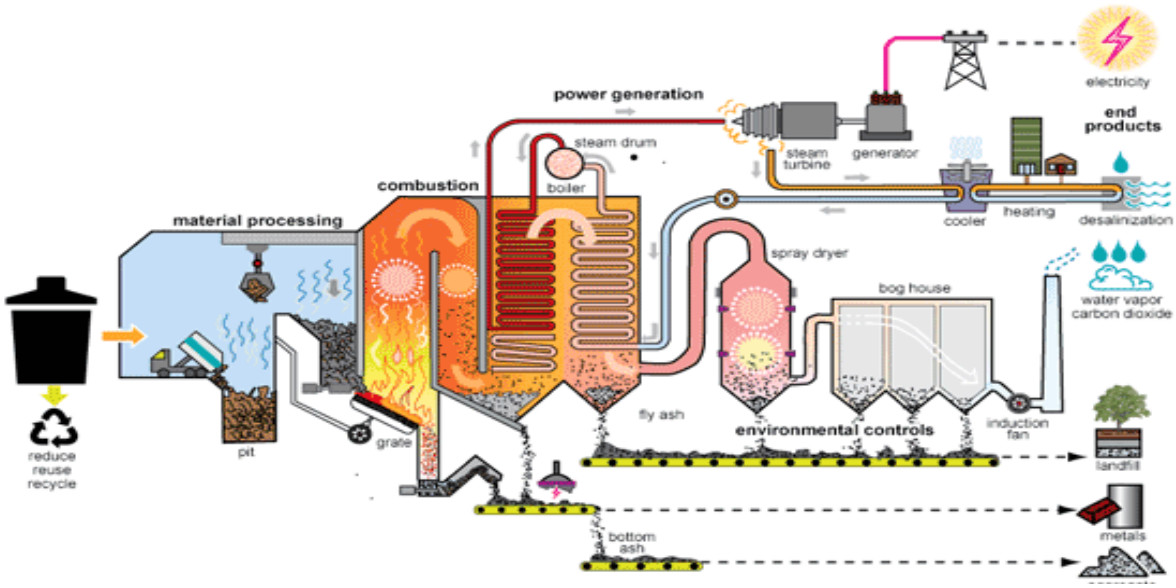
1200 TPD Waste to Energy Plant

Abu Rawash, Giza, Egypt

Project name ： 1200 TPD Waste to Energy Plant Abu Rawash,Giza,Egypt.

Project construction scale ： The daily MSW Incineration capacity is designed by 1360 tons, and the maximum is 1495 tons. Two mechanical grate incinerators with the capacity 680t/d are applied for this project, equipped with one 36MW condensing air cooled steam turbine and one 38MW generator, as well as supporting production and office facilities. Project Location ： Abu Rawash WtE is in Abu Rawash industrial area. The Project is located on Mohamed El Shaarany Road, which connects the site to the 26 of July corridor, and to Alexandria desert road.

Project service scope is the revise of the waste to energy design plant (Mechanical, structure, ..etc)



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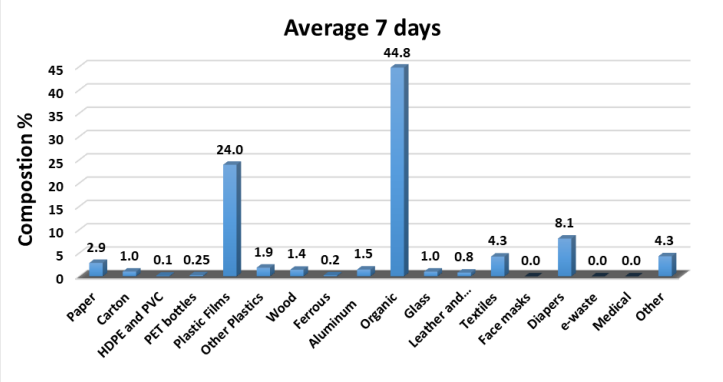
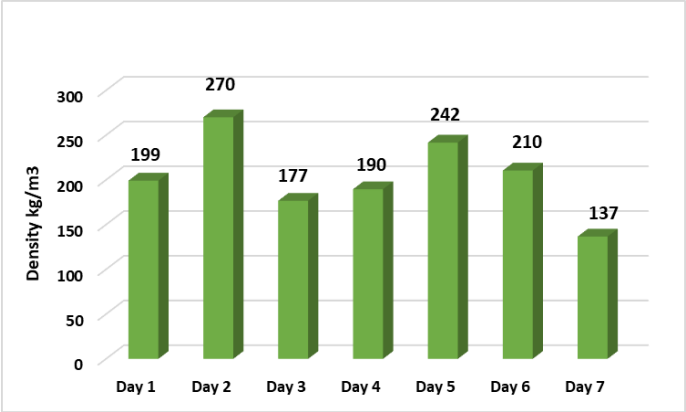
Environmental Services and Alternative Energy

Municipal Solid Waste Characterization Study in 15th of May Cairo Governorate

Project Description:

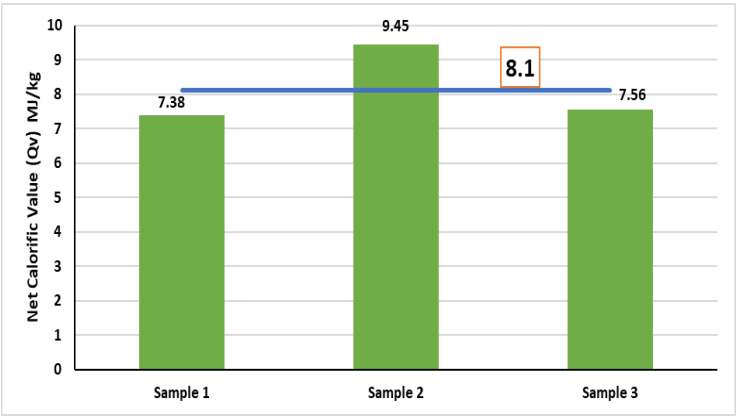
The objective of this field study is to ascertain the composition and properties of municipal solid waste in the Cairo-15th of May area. This information will serve as the foundation for developing a suitable design for a municipal solid waste treatment facility that aligns with the site's characteristics and the waste generated within the service area.





Key Project Details:

The results comprise the key chemical properties of the municipal solid waste including the moisture content, calorific value, and ash content. The calorific value is also obtained using an empirical formula as an alternative method.



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Consultancy Services for The Egyptian Company for the Construction and Maintenance of Transportation and Airport Facilities

Waste Characterization Study in Qalubia Governorate, Egypt

Project Description:

A visual study of the accumulated waste on the plot of land

This part of the study includes a field assessment of the waste accumulated on the ground, including the type, quantity, and distribution of waste. This analysis aims to understand the current situation of waste accumulation and the extent of its impact on the surrounding environment.

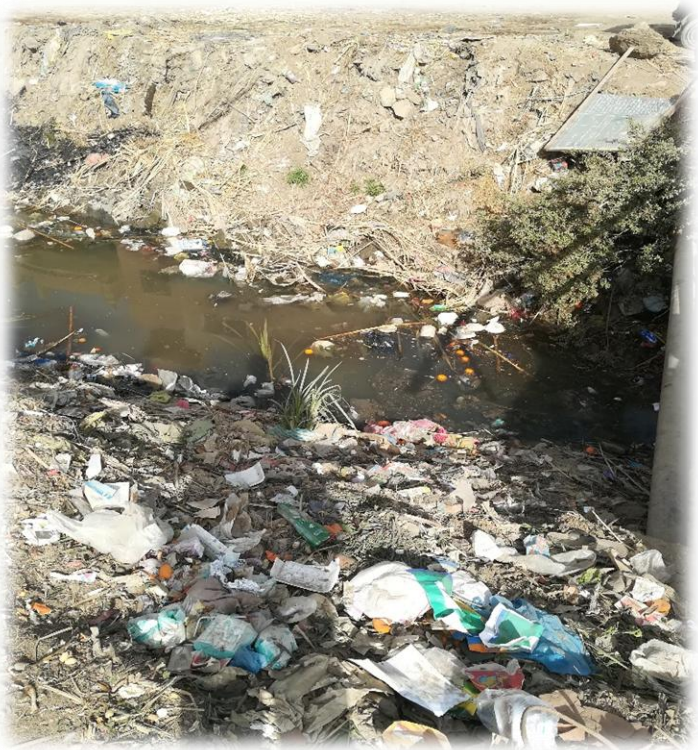
Taking a random sample of the accumulated waste, representative (based on international codes ASTMD 5231-92) and local codes (Egyptian code for design principles and implementation conditions for municipal solid waste management systems).

Test	Unit	Results/ Bases		Test Method
		AR	Dry	
Total Moisture	% Wt	16.85		CEN/TS15414-1
Ash	% Wt	52.05	62.60	EN 15403
Gross Calorific Value (Qv)	Cal/gm	1956	2353	EN 15400
	MJ/kg	8.19	9.85	
Net Calorific Value (Qv)	Cal/gm	1738	2202	
	MJ/kg	7.28	9.22	
Hydrogen	% Wt	2.55	3.07	EN ISO 21663:2020

Consultancy Services for the provision of services for A Solid and Agricultural Waste Characterization Study in Fayoum and Minya, Egypt (Center for Environment and Development for the Arab Region and Europe (CEDARE)

Project Description:

With the waste management services being deficient, municipalities and rural communities would dispose of the waste by burning it outdoors which affects air quality in addition to cultivated areas or **dispose of it near irrigation or sanitary water canals, ravines, and uncultivated land which causes a serious environmental problem**. This is a common scenario in the rural areas of developing countries such as India, Mexico, and Egypt. Moreover, there is an absence of data on the characteristics, quantity, density, and generation rate of the waste which increases the challenges of providing sustainable solid waste management (SWM) services.



Key Project Details:

The targeted study area of this project covers three villages in Markaz Etsa in Fayoum Governorate: (1) Qalamshah, (2) Monshat Ramzy, and (3) Abou Defeya. **The main objective of the project is to perform a municipal solid waste (MSW) characterization study in these three villages including the waste disposed in water ways** where MSW management services are either non-existent or insufficient: thus, making them a high priority and an effective advancement step towards achieving the bigger goal of sustainable municipal solid waste management.

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مكتب الإستشارات الهندسية

In the Field of Solid Waste System Management:

In Our CEO's Office: Participation in the following projects:

- Rehabilitation, closure, and transformation of the Wafa and Amal dump into a public park under the National Waste Management Program, Ministry of Environment, 2017.
- Development of a strategic plan for solid waste management spanning from 2017 to 2037 for Aswan Governorate, as part of the National Waste Management Program, Ministry of Environment, 2017.
- Development of a strategic plan for solid waste management spanning from 2017 to 2037 for Luxor Governorate, under the National Waste Management Program, Ministry of Environment, 2017.
- Development of a strategic plan for solid waste management spanning from 2017 to 2037 for Sohag Governorate, within the National Waste Management Program, Ministry of Environment, 2017.
- Development of a strategic plan for solid waste management spanning from 2017 to 2037 for Minya Governorate, as part of the National Waste Management Program, Ministry of Environment, 2017.
- Conducting an environmental impact assessment study for a project involving the collection and transportation of hazardous medical and industrial waste on behalf of Bedaya Company in Luxor and Qena Governorates.
- Preparation of the technical and financial documentation for the European Bank project for the Mechanical and Biological Treatment (MBT) solid waste recycling plant and the stone landfill in Al-Quwais City, Qata Governorate.
- Rehabilitation, closure, and repurposing of the Wafa and Amal dump into a public park - National Waste Management Program - Ministry of Environment - 2017.
- Development of a strategic solid waste management plan for the period (2017-2037) for Aswan Governorate - National Waste Management Program - Ministry of Environment - 2017.
- Development of a strategic solid waste management plan for the period (2017-2037) for Luxor Governorate - National Waste Management Program - Ministry of Environment - 2017.
- Development of a strategic solid waste management plan for the period (2017-2037) for Sohag Governorate - National Waste Management Program - Ministry of Environment - 2017.
- Development of a strategic solid waste management plan for the period (2017-2037) for Minya Governorate - National Waste Management Program - Ministry of Environment - 2017.
- Conducting an environmental impact assessment study for a project aimed at collecting and transporting hazardous medical and industrial waste on behalf of Bedaya Company in Luxor and Qena Governorates.

In the Field of Solid Waste System Management:

Our CEO's office participated in collaboration with the International Center for Environmental Services, Consultations, and Information Technology in conducting technical and environmental studies in the field of environmental impact for the following projects:

- Environmental impact assessment study to incorporate data regarding a vehicle owned by SAFCO and used for transporting hazardous medical waste in Damietta Governorate into Environmental Approval No. 842, issued on 1/30/2005, previously obtained for the project of collecting and transporting hazardous medical and industrial waste in the name of SAFCO (Fouad El-Sharqawi and partner) with an address in Damietta, Zawiyat Bab Al-Haras, Damietta Governorate (Model B) in 2018. This study obtained environmental approval.
- Environmental impact assessment study for expansions in the operations of Jamil Abdo Hilal Office for transporting hazardous and non-hazardous waste (solid and liquid) in the governorates of Egypt (Environmental Study C) in 2015. This study also received environmental approval.
- An environmental impact assessment study for the expansion of the Starchem Chemical Manufacturing Company project by adding two automatic liquid filling lines within the Starchem Company's liquid filling unit, while modifying the position of the two original semi-automatic filling lines. The project is in the Sixth Industrial Zone, 6th of October City, Plot 35. This study was conducted in 2012 and received environmental approval.
- An environmental impact assessment study for establishing a fourth production line to produce liquid alum, with a production capacity of 100,000 tons of solid alum per year and liquid alum with a production capacity of 10,000 tons per year, on the Egyptian Alum Company's factory land in the Abu Zaabal area, Qalyubia Governorate. This study, known as Environmental Study C, was conducted in 2015 and obtained environmental approval.
- Environmental impact assessment study for the establishment and operation of the international school’s complex of Summit Educational Services Company in West Port Said (Environmental Study B - Specific) in 2019. This project is currently under review by the Environmental Affairs Agency.
- An environmental impact assessment study for the operation of a commercial mall (H2), located at Plot No. 20 in the Banafseg Service Center (1), First Settlement, New Cairo City (specified B) in 2018. This study received environmental approval.
- An environmental impact assessment study aimed at completing the construction and development of the northern area of the village of Magawish, reconciling the conditions of the current facilities in the southern area of the village and Al-Saqala, and outlining the beach area of the village (Environmental Study C) in 2018. This study also obtained environmental approval.

- Environmental impact assessment study for the project to establish the Wadi Degla Club in Muharram Bey, Alexandria Governorate (specified B).
- A study assessing the environmental impact of the public beach in the city of Tor Sinai, South Sinai Governorate (specified B), conducted in 2016. The study was prepared by the International Center for Environmental Services, Consultations, and Information Technology and received environmental approval.
- An environmental impact assessment study for the operation of the administrative and commercial building owned by Wadi Degla Real Estate Development Company, located at Plot 21, Northern Investors, First Settlement, New Cairo (specified B) in 2020. This study was also prepared by the International Center for Environmental Services, Consultations, and Information Technology.

Project: The seaside hotel at El Galala Resort, 2018

Our CEO's office takes immense pride in its pivotal role in the design of the exquisite Seaside Hotel at El Galala Resort in 2018. This project stands as a testament to our unwavering commitment to excellence and innovation in the field of hospitality and resort development. The Seaside Hotel epitomizes luxury, blending seamlessly with the breathtaking natural beauty of the coastal surroundings.

Our CEO's visionary leadership and keen eye for detail played a pivotal role in creating an architectural masterpiece that offers guests an unparalleled experience. The design concept for the Seaside Hotel was driven by a harmonious fusion of modern elegance and coastal charm, providing a haven of relaxation and sophistication for visitors.

With a strong focus on sustainability and eco-friendly practices, our CEO's office ensured that the Seaside Hotel not only met but exceeded industry standards for environmental responsibility. The result is a destination that not only captivates with its stunning aesthetics but also sets a high benchmark for sustainable tourism and resort development.

In 2018, the Seaside Hotel at El Galala Resort became a symbol of luxury, comfort, and responsible design, reflecting our CEO's unwavering commitment to delivering excellence in every project undertaken. This achievement continues to inspire us to push the boundaries of innovation and design, as we look ahead to shaping more remarkable destinations in the future.

Project: Armed Forces Entity in the Administrative Capita, 2019

The involvement of our CEO's office in the design of the Armed Forces Entity within the Administrative Capital in 2019 is a testament to our unwavering dedication to excellence and innovation in the field of architectural and infrastructure development. This project holds immense significance as it contributes to the strategic and operational capabilities of the Armed Forces in this vital administrative hub.

Our CEO's visionary leadership and expertise played a pivotal role in conceptualizing and executing the design for this essential government facility. The Armed Forces Entity stands as an architectural marvel, seamlessly blending functionality, security, and aesthetic appeal. It embodies the values of strength, resilience, and precision that are synonymous with the Armed Forces.

In 2019, our CEO's office ensured that every aspect of the project, from the layout and security infrastructure to the technological advancements, was meticulously planned and executed to perfection. This facility not only serves as a symbol of national pride but also as a cornerstone of operational efficiency for the Armed Forces.

The successful design of the Armed Forces Entity within the Administrative Capital is a testament to our CEO's unwavering commitment to delivering excellence in every endeavor. It reinforces our dedication to contributing to the development and advancement of critical infrastructure that serves the nation's interests. As we look forward, our CEO's office remains committed to pushing the boundaries of innovation and design in the pursuit of a better and more secure future for our country.

Project: Bicycle building at Cairo Stadium, 2019

The design and construction of the Bicycle Building at Cairo Stadium in 2019 stands as a testament to the collaboration and expertise of our CEO's office. This project represents a significant milestone in the development of sporting infrastructure in Cairo, Egypt.

Our CEO's visionary leadership played a pivotal role in conceptualizing and overseeing the design of the Bicycle Building. This modern architectural gem seamlessly blends functionality with aesthetics, providing a space that caters to the needs of both athletes and enthusiasts. The building's design reflects the spirit of progress and inclusivity, promoting a healthy and sustainable mode of transportation while supporting the sports and cycling communities.

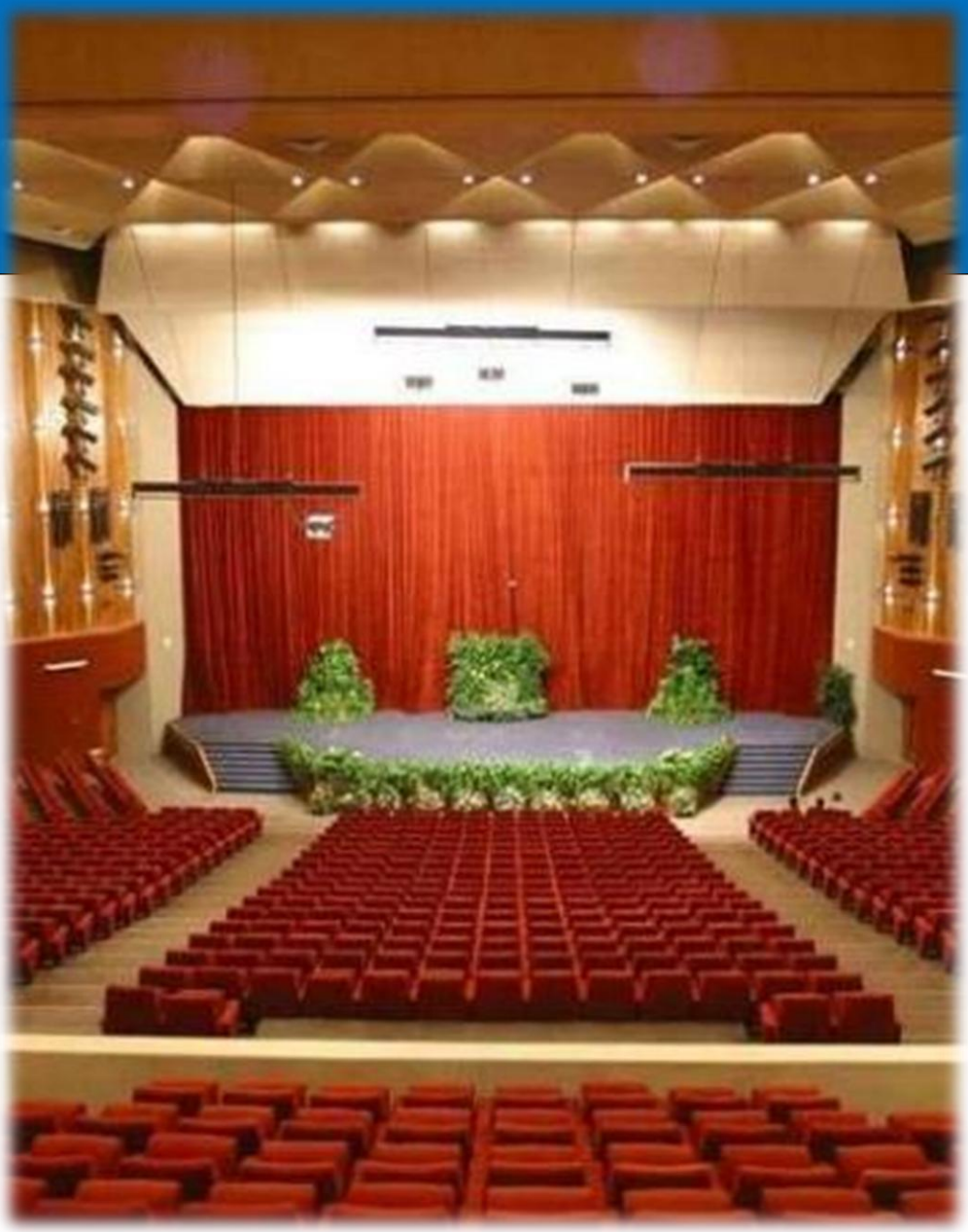
The successful completion of the Bicycle Building at Cairo Stadium in 2019 is a prime example of our CEO's unwavering commitment to delivering excellence in every project undertaken. This project not only enhances the sporting facilities at Cairo Stadium but also promotes the culture of cycling and active living within the community. Our CEO's office continues to spearhead innovative and impactful initiatives that contribute to the betterment of Cairo's urban landscape and the well-being of its residents.

Project: Academic Institute of Medicine, Ain Shams

2020

The design and establishment of the Academic Institute of Medicine at Ain Shams University in 2020 represent a remarkable milestone in the advancement of medical education and research in Egypt. This ambitious project exemplifies the commitment of Ain Shams University, along with the collaborative efforts of our CEO's office, to create a state-of-the-art facility that fosters excellence in medical training and healthcare innovation.

Project: Rehabilitation of the Cairo International Conference Center, Nasr City



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Project: Project: Design Badr University

Badr City

The design of the CEO's office at Badr University is a testament to both innovation and sophistication. Situated within the heart of the university's dynamic campus, this office space represents the pinnacle of modern design and functionality.

Project: College of Architecture Project - King Salman International University in Sharm El Sheikh

The CEO's office design for the College of Architecture Project at King Salman International University in Sharm El Sheikh exemplifies a harmonious blend of architectural aesthetics and functional excellence. This project represents a significant milestone in the development of this prestigious educational institution and stands as a testament to the CEO's vision for cutting-edge design.

THE WORLD BANK

European Bank for Reconstruction and Development

german cooperation
DEUTSCHE ZUSAMMENARBEIT

Implemented by: KFW

التعاون الألماني
DEUTSCHE ZUSAMMENARBEIT
giz

COWI

جمهورية مصر العربية - وزارة البيئة
Arab Republic of Egypt-Ministry of Environment

MINISTRY OF EDUCATION AND TECHNICAL EDUCATION

AOI
الهيئة العربية للتصنيع
ARAB ORGANIZATION FOR INDUSTRIALIZATION

وزارة الانتاج الحربي

وزارة الموارد المائية والري
Ministry of Water Resources and Irrigation

BEEAH

GREEN TECH EGYPT

RENERGY EGYPT
GROUP PARTNERS LLC

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Consultants

أسمنت سيناء

شركة جسور
للمقاولات والتوريدات العمومية

smart roads
الشركة المصرية للصيانة الذاتية للطرق والمطارات

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المتحدة
للتجارة والمقاولات
شركة مساهمة مصرية

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CEO Members

Prof. Dr. Eng. Karim Emara, CEO Chairman

Prof. Karim Emara is a seasoned professional with over 17 years of experience in the field of Solid Waste Management and Mechanical Equipment design. His expertise spans the entire spectrum of Solid Waste Management technology, including collection, transportation, and treatment, encompassing sorting, composting, RDF production, biomass, and pyrolysis reactions for electricity generation, Waste to Energy, and rejects landfilling. Dr. Emara's accomplishments include the design and manufacturing of equipment for Solid Waste Management Systems, proficiency in Life Cycle Assessment (LCA) using tools like WART and Open LCA, and extensive knowledge of environmental measuring techniques. He excels in designing networks for landfill gas collection and treatment, gaseous bio-fuel reactors, hydraulic and pneumatic control systems, and bio-fuel technology. His skill set extends to training, education, and development, as well as expertise in redesigning and maintaining heavy diesel engines. Dr. Emara has a remarkable proficiency in Environmental Impact Assessment (EIA) for engineering projects, evaluating, and assessing production lines and heavy equipment, conducting feasibility studies for establishing vehicle maintenance centers and workshops, participating in research and development of technical equipment, and meticulously planning and overseeing maintenance, usage, repair, and rehabilitation for technical equipment and all vehicle types. His portfolio also includes expertise in the design and maintenance of experimental and industrial burners, along with a deep understanding of measuring techniques and code designs. Dr. Emara's multifaceted skills make him a highly qualified and versatile professional in the field of Mechanical Power Engineering.

Certainly, working as a consultant for various government ministries and international organizations showcases a diverse and impactful career. As an Environmental Consultant, I have provided valuable expertise and support to the Environmental Ministry, Local Development Ministry, and the National Organization of Military Production. My role includes offering guidance on environmental policies, sustainability initiatives, waste management strategies, and the development of eco-friendly practices within these organizations.

In addition, I serve as a consultant for renowned international financial institutions such as the World Bank, EBRD (European Bank for Reconstruction and Development), and GIZ. In this capacity, I collaborate on projects that have a global reach, contributing to sustainable development, environmental protection, and green investments. These roles involve extensive research, data analysis, and policy recommendations to enhance environmental resilience, mitigate climate change, and drive economic growth in alignment with international standards and best practices.

I am passionate about fostering partnerships and bridging the gap between public and private sectors, aiming to create a more sustainable and environmentally conscious world. My work as a consultant is dedicated to promoting eco-friendly practices, addressing environmental challenges, and fostering sustainable development on a local and global scale.

Prof. Dr. Eng. Ahmed Hassan, CEO Executive manager

Dr. Ahmed Hassan is a distinguished figure in the field of Civil Engineering, boasting a rich and extensive career primarily focused on design and structural consulting for solid waste management projects throughout Egypt. As an Executive Manager and Civil Engineering Consultant of consultant Engineering office CEO, he brings a wealth of experience and expertise to his role.

His remarkable expertise has made a significant impact on both local and international scales. Dr. Ahmed Hassan's active involvement in numerous projects is evident, demonstrating his unwavering commitment to advancing the field. Locally, he serves as a consultant for esteemed organizations such as the Ministry of Environment and the Ministry of Local Development, where he plays a pivotal role in shaping innovative approaches to new sanitation systems. His contributions to these projects have been instrumental in enhancing environmental sustainability and public health in Egypt and different counties.

Internationally, Dr. Hassan acts as a consultant for various foreign entities, overseeing the successful implementation of major projects. His work in this capacity is done under the sponsorship and approval of the Egyptian government, showcasing his ability to navigate complex international collaborations while ensuring alignment with national interests.

Furthermore, Dr. Ahmed Hassan is a consultant for AOI, further demonstrating his expertise and recognition in the global engineering community. Previously, he served as the Project Manager and Structural Bridge Engineer at Civil Services Inc. (CSI) in Jacksonville, FL, USA. During his tenure, he played a pivotal role in managing projects and ensuring the structural integrity of bridges, contributing significantly to the infrastructure development in the United States.

Dr. Hassan's expertise encompasses a wide array of areas, including concrete bridges, structural design and consulting, and construction consultancy for municipal solid waste recycling and treatment plants. He possesses a wealth of experience in designing concrete and steel buildings, spanning residential, administration, service, and general structures. His diverse skill set as a designer and construction consultant is a testament to his versatility and proficiency in the field of civil engineering. His collaborative efforts and unwavering commitment have undoubtedly made a lasting impact on the field of civil engineering and solid waste management in Egypt and beyond.

CEO Documents

شهادة تسجيل
الضريبة على القيمة المضافة

منطقة : غرب القاهرة
مأمورية : قصر النيل
العنوان : ١١ش المبتديان الشيخة زينب

هذه شهادة منا بأن : كريم عبد الرازق السيد عماره مكتب الاستشارات الهندسيه

العنوان : ٣١ ش عرابى التوفيقيه الازبكيه القاهره

قد تم تسجيله وفقاً لنصوص قانون الضريبة على القيمة المضافة

تحت رقم : 055 - 290 - 616

وذلك إعتباراً من : 2021-06-13

تحريراً فى : 2021-06-13

رئيس المأمورية

جمهورية مصر العربية
وزارة المالية
مصلحة الضرائب المصرية

فردي

المهن الحرة اول/٠٠٠
مكتب الاستشارات الهندسيه
كريم عبدالرازق السيد عماره
٣١ش عرابي التوفيقيه الازبكيه القاهره
استشارات هندسيه

٢٠٢٥/١٢/٣٠ ٢٠٢٠/١٢/٣١ ٦١٦-٢٩٠-٠٥٥

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وزارة المالية

مصلحة الضرائب المصرية

شهادة تسجيل

بمنظومة الفاتورة الالكترونية

الى من يهمه الامر . نتشرف بأن نفيد سيادتكم بأن الممول التالى بياناته

مأمورية	المهن الحرة اول
الاسم	كريم عبد الرازق السيد عماره مكتب الاستشارات الهندسيه
رقم التسجيل	616-290-055

مسجل على منظومة الفاتورة الالكترونية اعتباراً من : 2023-06-06

قدمت هذه الشهادة بناءً على طلب الممول

تحريراً فى : 2023-08-23

يعتمد

خاتم الشعار

CEO

Consultant Engineering Office
مكتب الإستشارات الهندسية