MAWAEL
Environmental Consultancy

Corporate Profile

2025

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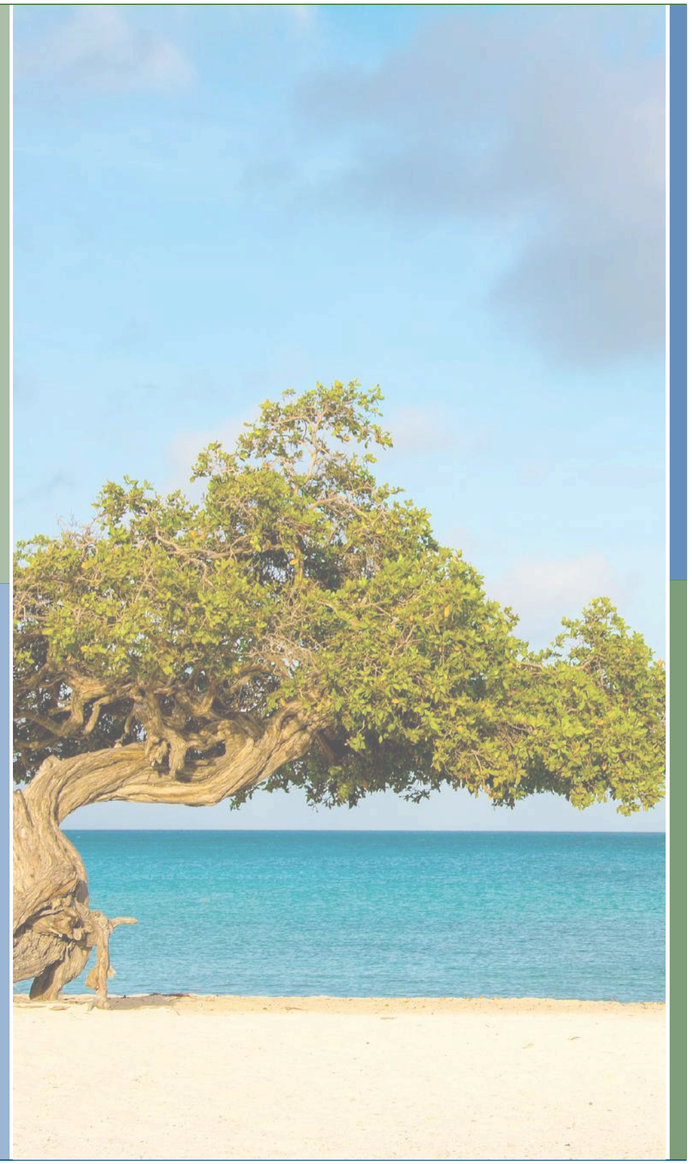

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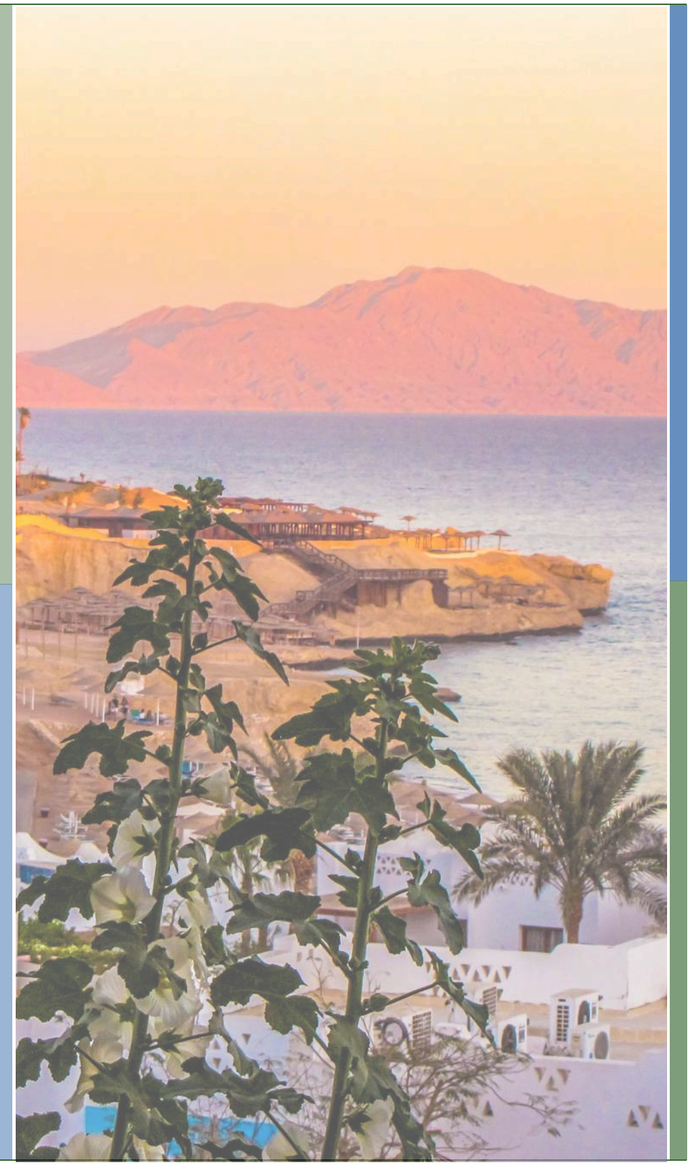


About Company

Who we are?

Established in 2020, Mawael is a dynamic firm which has grown steadily, swiftly and trustfully within the field of environmental consultancy services. Our extensive and accumulated experience in Egypt in environmental and sustainable development consulting has provided a solid foundation for our expansion in the UAE recently. Our vision is to expand our operations in GCC states by 2030.

In the same context, Mawael is well positioned, as a multi-disciplinary EEAA certified environmental consulting firm, for providing services in the fields of environmental science, engineering, policy, and management in Egypt and the GCC countries.

Mawael delivers quality environmental services and sustainable solutions, ensuring client satisfaction and financial goals. Its dedicated team and extensive expert network enhance resource conservation efforts, while the founder's industry experience fosters valuable national and international collaborations.

What We Do?

Our services are not only offered to help our clients in such areas as pollution control, but also to preserve resources through abatement intervention, cleaner production, and adequate mitigation measures in design, operation and management.

Our dedication to the environment, and the communities, in which we operate is unwavering.

Mawael views the environment as integral to all human activities, striving to balance sustainability and profitability through innovative strategies. With resource limitations in mind, the company continuously refines its systems and fosters a progressive team mindset to achieve this harmony.

Mawael has established a remarkable track record, demonstrating its expertise in the environmental services sector. With extensive experience across various environmental disciplines, Mawael has developed a deep and unparalleled understanding of environmental management and its evolution. Our key areas of services include:

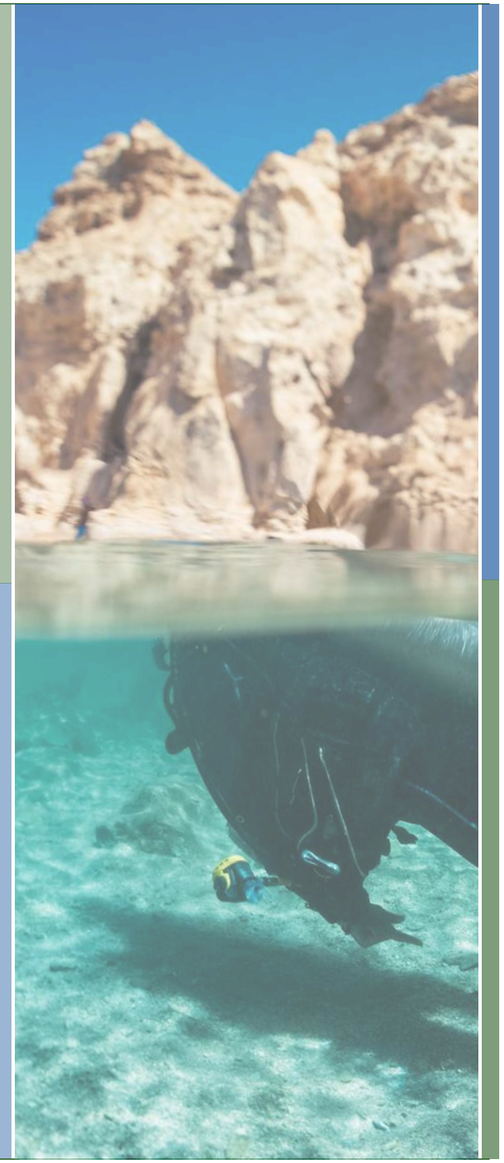
- Environmental Policy and Strategy Formulation
- Integrated Coastal Zone Management Planning
- Environmental & Social Impact Assessment
- Strategic Environmental Assessment
- Strategic Environmental Assessment
- Conservation Planning and Management
- Environmental Monitoring and Management
- Marine and Coastal Environmental Baseline Studies
- Numerical Modeling (Air, Noise, Hydrodynamic, Groundwater, etc.

Our Services

Mawael services include, but not limited to, the following:

- Environmental baseline studies (physical, chemical, biological and social) including, marine and terrestrial habitats, air quality, noise, soil, etc.)
- Critical habitats assessment
- Habitat mapping and environmental sensitivity assessment
- Environmental management plans
- Emergency response plans
- Environmental monitoring for compliance
- Spill-response and remediation plans
- Qualitative Risk assessment
- Energy efficiency and management
- Due-diligence reviews
- Environmental, social and health impact assessments (ESHIAs)
- Soil and groundwater assessments
- Environmental policy and planning
- Environmental trainings and capacity building
- Environmental and social management frameworks.
- Development of environmental polices, guidelines, best practice manuals for different sectors (such as industrial, tourism projects)
- Local community development
- Coastal zone management
- Biodiversity conservation action plans and protected areas management plans
- Marine Mammals Observation (MMO) for offshore oil and gas projects
- Socioeconomic studies
- Numerical modelling (air, noise, hydrodynamic and wave modelling

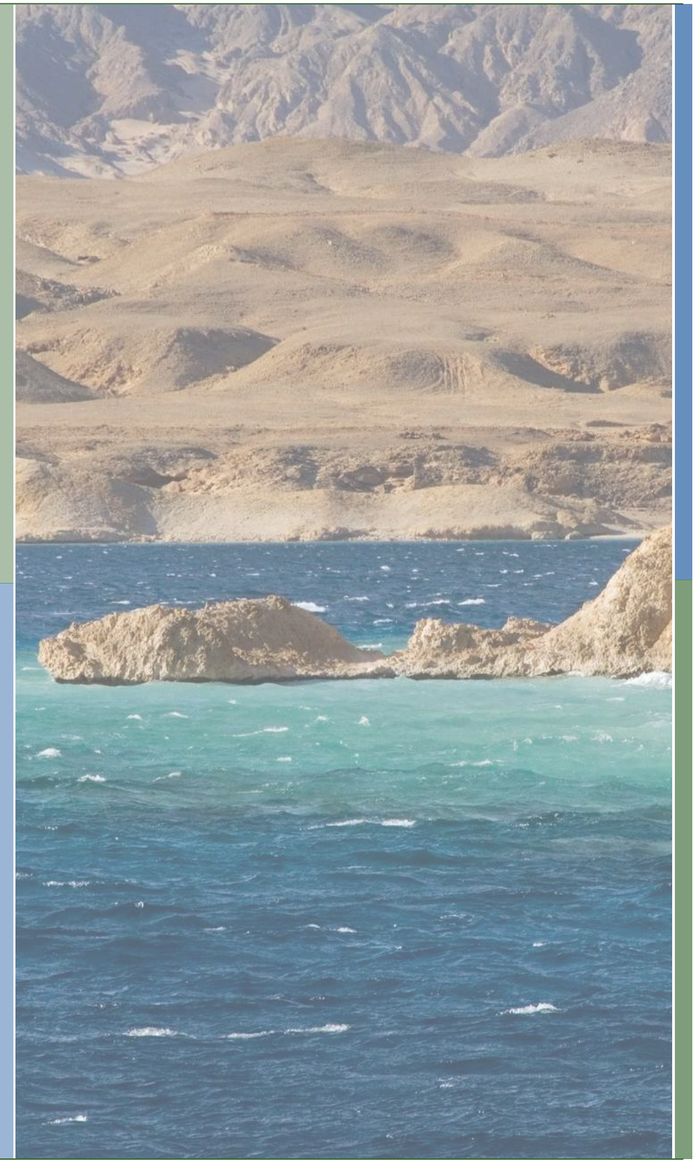
Marine Drone, Owned By: MAWAEL



Our Clients

Mawael serves a broad client base, including governmental bodies, global consultancies, international organizations, and private enterprises. High client satisfaction drives repeat business and strong professional recommendations, fueling the company's continued growth.

Government - Egypt



Our Clients

International & Foreign Firms

W E S

NEOM

IMDC

wood.

PARSONS

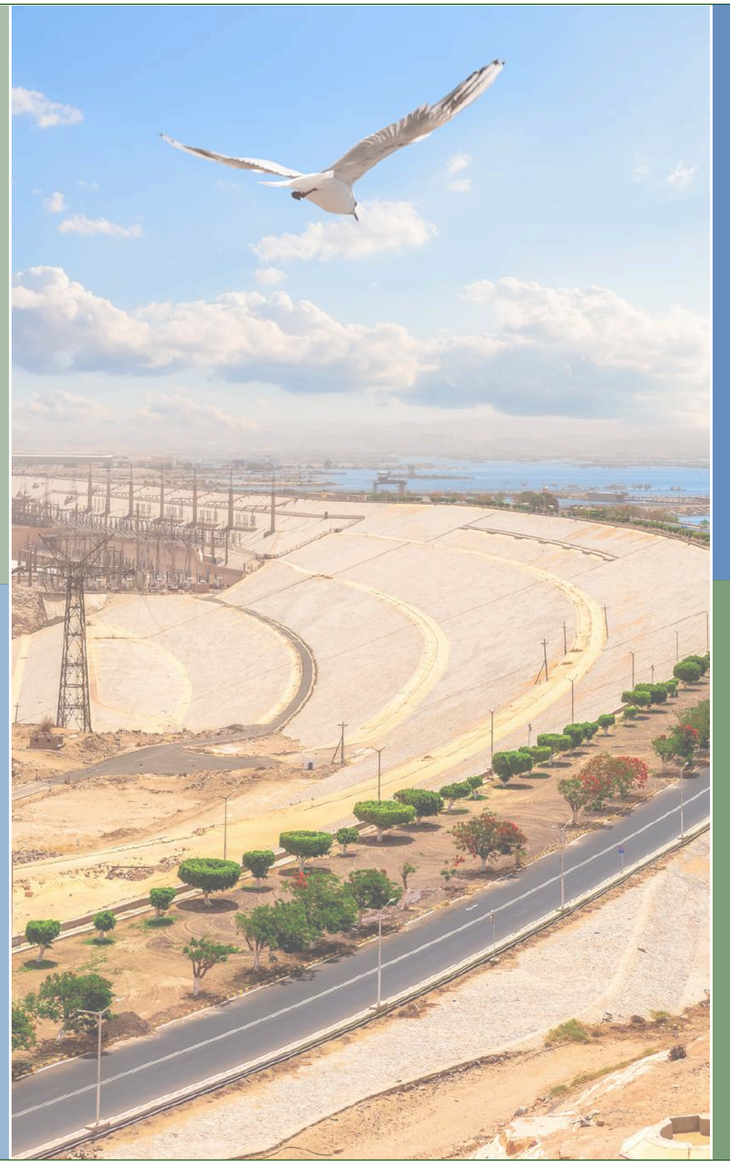
مجموعة الخليج الأستشارية
GULF CONSULTING GROUP

مكتب تقنيات نظافة البيئة
للأستشارات البيئية

PD Consult
Experienced Professionals. For You.

بلدنا
BALADNA

IH cantabria
INSTITUTO DE HIDRÁULICA AMBIENTAL
UNIVERSIDAD DE CANTABRIA



Our Clients

Donors and International Development Agencies

SPA/RAC

UNDP

gef

OUDA
Operational Unit for Development Assistance

BIOFIN

GREEN HURGHADA

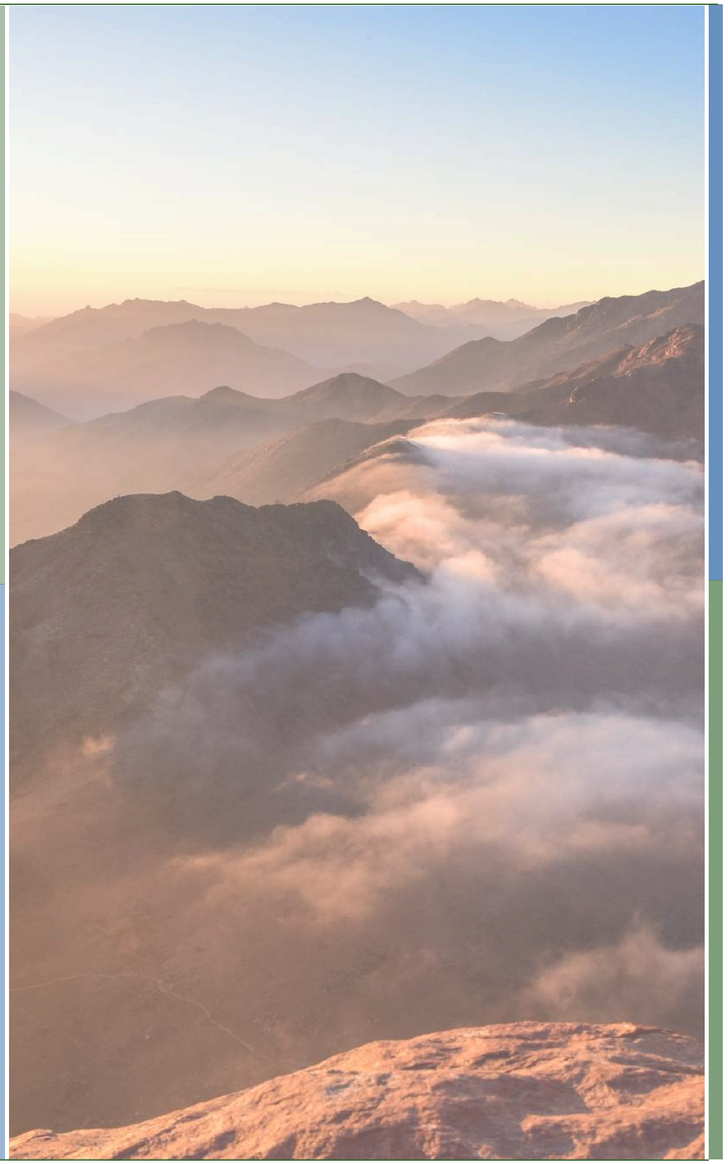
Green Sharm

UNIDO

MAINSTREAMING BIODIVERSITY IN EGYPT'S TOURISM

PERSGA

AGENZIA ITALIANA PER LA COOPERAZIONE ALLO SVILUPPO



Our Clients

National Firms

NAEEM

RED SEA DIVING SAFARI

EcoConServ
ENVIRONMENTAL SOLUTIONS

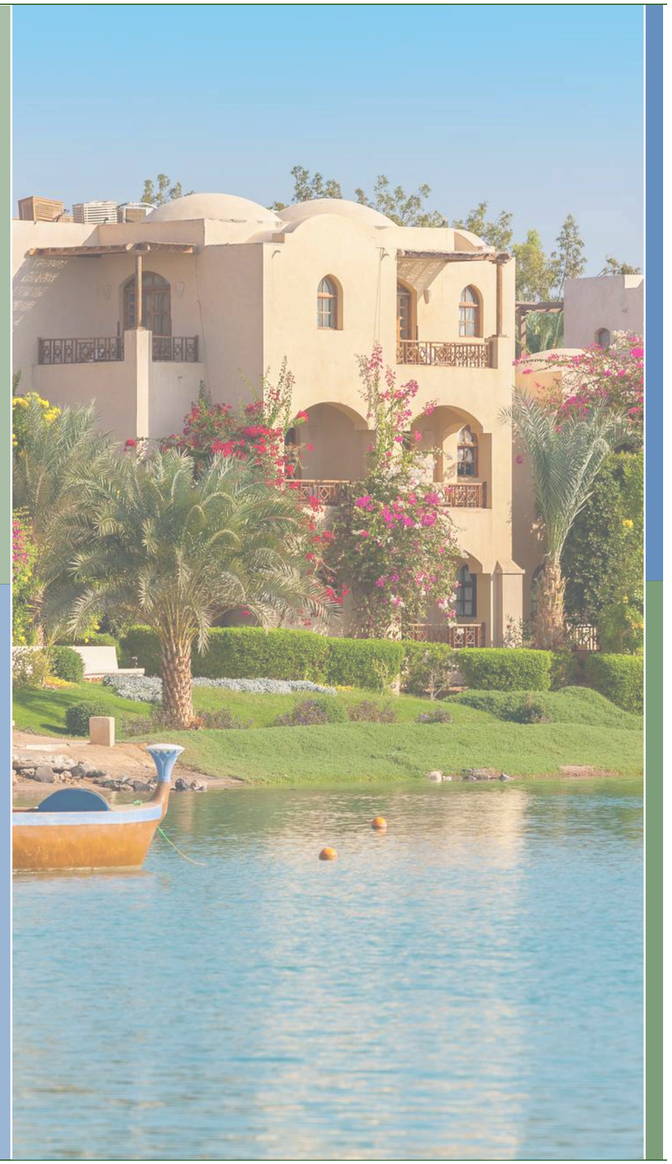
RIXOS
HOTELS

Environment & Development Group

RADAMIS

Environics SAE
ENVIRONMENT & DEVELOPMENT ADVISORS

البنك الأهلي المصري
NATIONAL BANK OF EGYPT

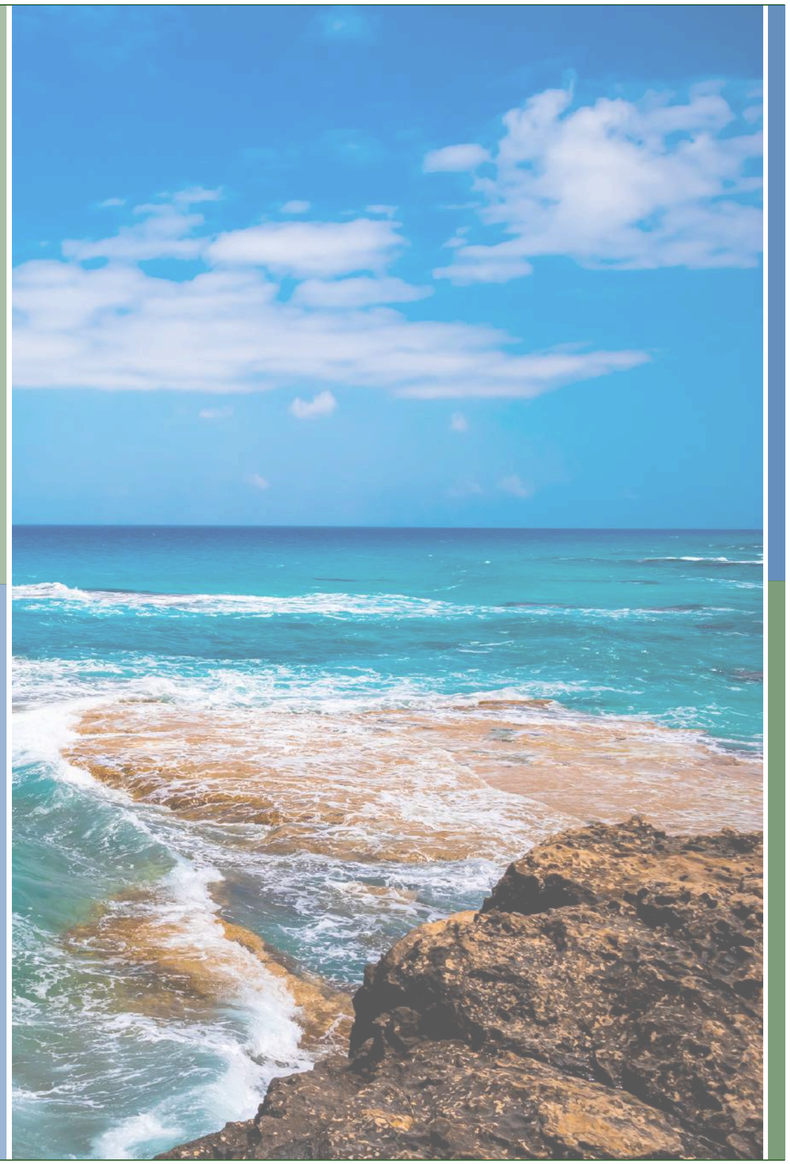


Our Approach

At Mawael, innovation and sustainability are core principles in addressing environmental challenges. We provide solutions that are not only effective but also maintainable by our clients, ensuring long-term impact. Collaboration is central to our approach—client input shapes both challenges and solutions, fostering continuous refinement and efficiency in our methods

We prioritize tailored strategies through comprehensive analysis, identifying rational alternatives that align with client-specific constraints. Our expertise spans Strategic Environmental Assessment, Biodiversity Conservation, Environmental Impact Assessment, and Environmental Inspection Systems, supporting policy development, management strategies, institutional strengthening, training, and regulatory compliance.

Excellence defines our work, reinforced by stringent quality assurance measures and a deep commitment to sustainability. Mawael upholds ISO 9001, 14001, and 45001 certifications, ensuring rigorous environmental, occupational health, and safety standards across all activities. Through structured policies, we mitigate risks, enhance operational efficiency, and promote responsible business practices



Our Vision

We endeavour to maximize our role in project planning cycles in Egypt and the GCC to support the industry reducing the environmental impacts, and create much sustainable projects.

Our Mission

To achieve our vision, our mission is set out as follow:

Providing High Quality Technical Services

Provide high quality technical services while meeting client expectations, deadline and budget requirements.

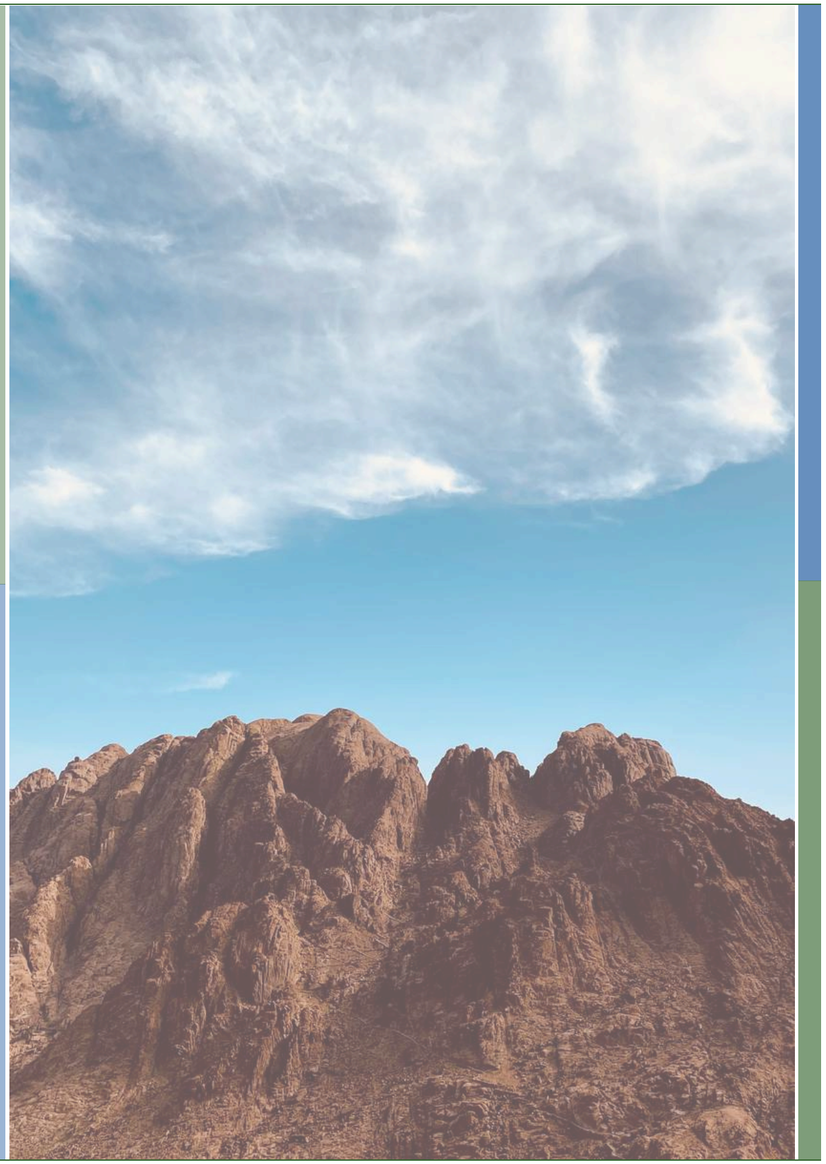
Providing awareness opportunities

By ensuring that you will always cultivate a sense of enthusiasm for work, will judge if you are a prospective employee who will have high productivity.

Paying Attention to Local Community

Working with local communities to maximize their benefits from development projects.

- We are also Eager to Expand our operation & Business to the GCC by 2030.



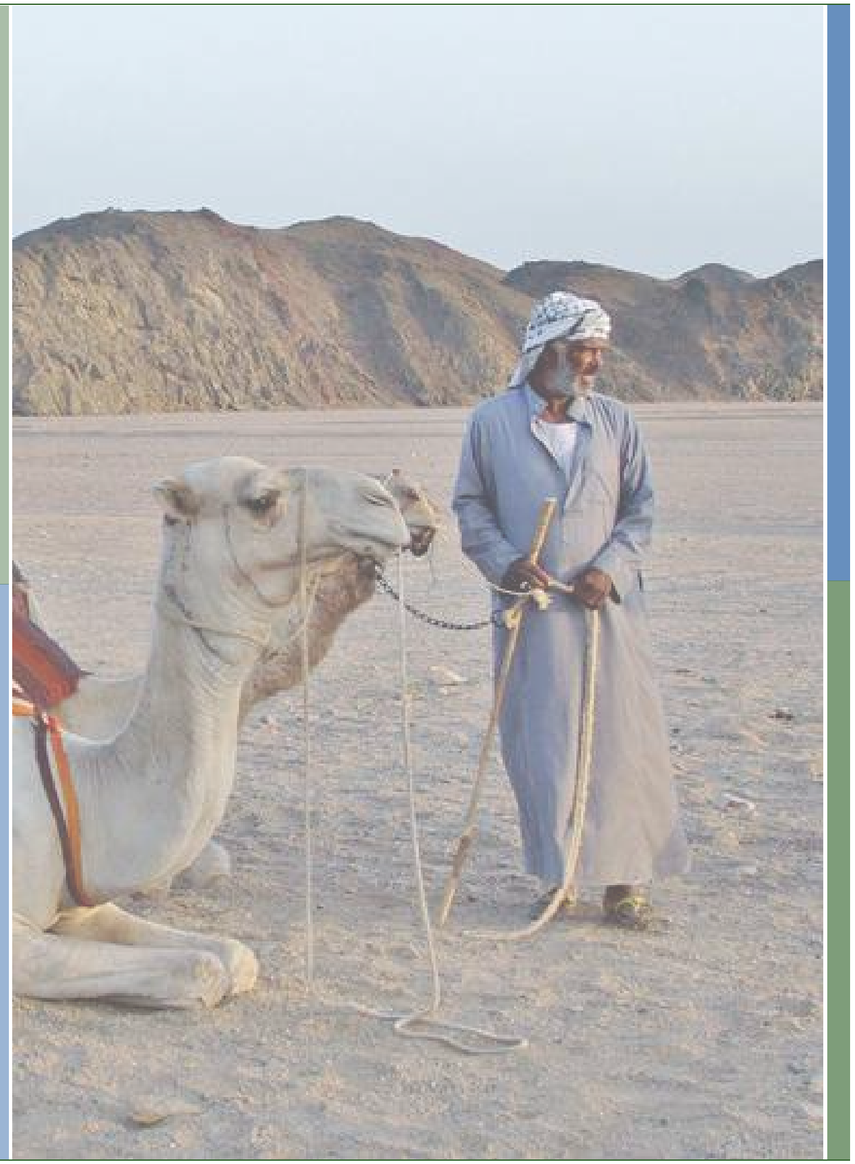
What Makes MAWAEL Unique

Policies & Management Systems

Environmental Protection & Sustainability

Commitment

Attention to Local Community



Organization

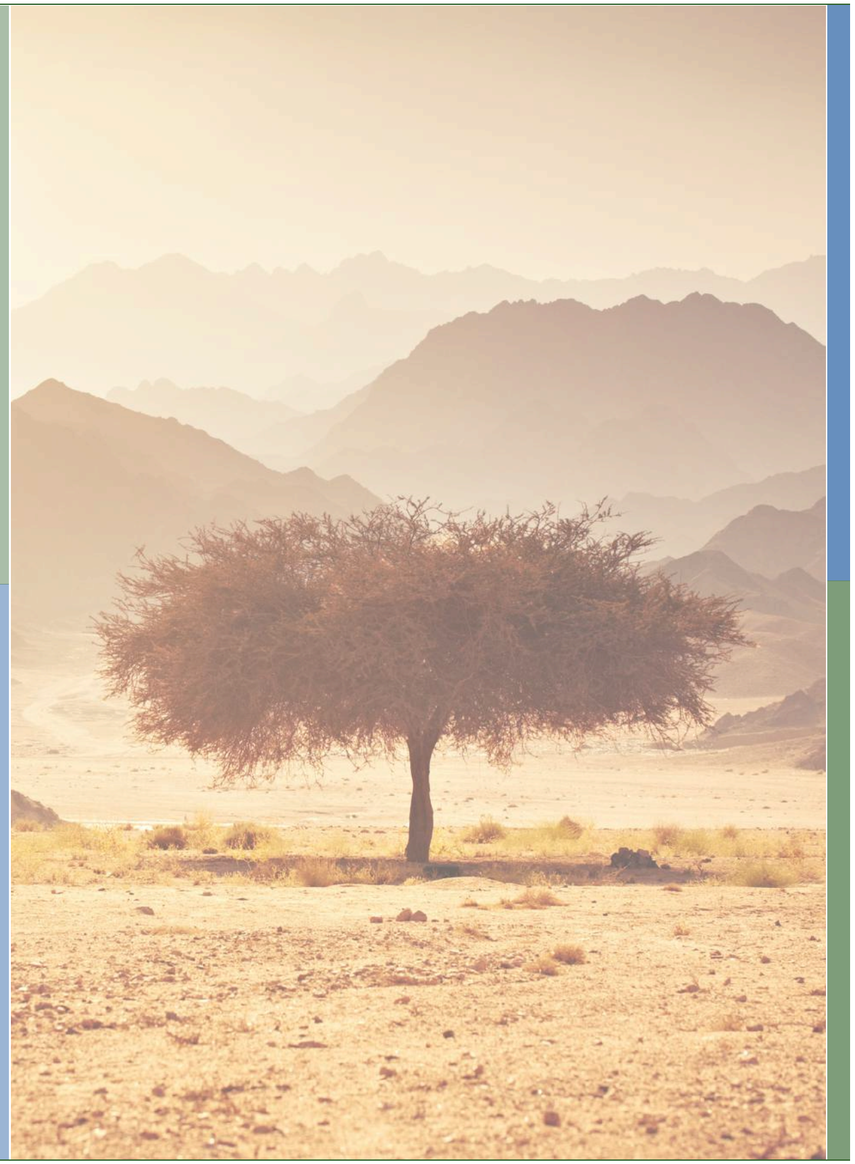
Our Key Areas of Environmental Consultancy

1. Biodiversity Conservation – Focused on protected area (PA) management planning, PA business planning, and biodiversity studies.
2. Sustainable Development – Encompassing master plan environmental reviews, strategic environmental assessments, and sustainability assessments.
3. Environmental Management – Covering environmental and social impact assessments, environmental monitoring, environmental planning, and environmental baseline surveys.

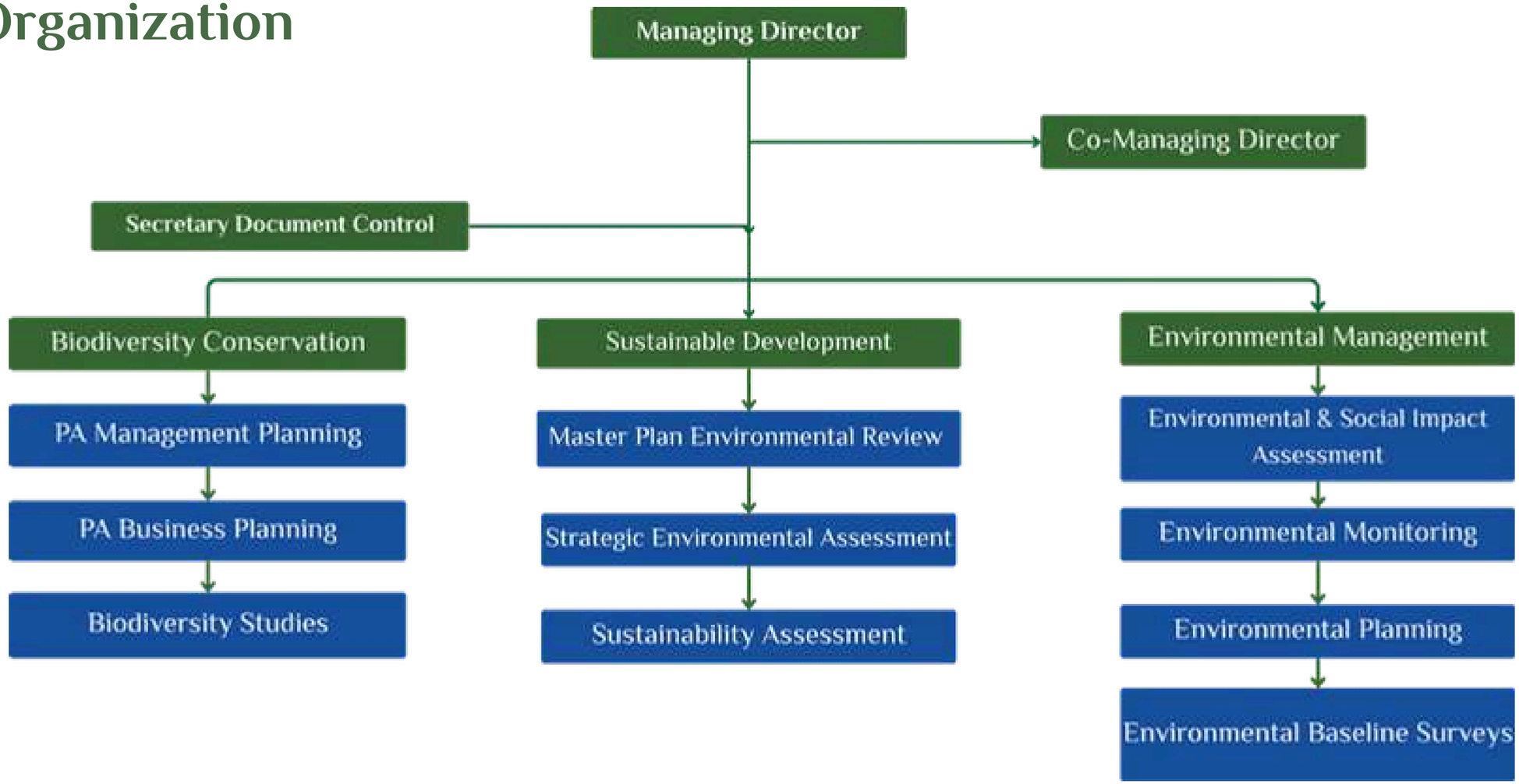
Sustainable Development

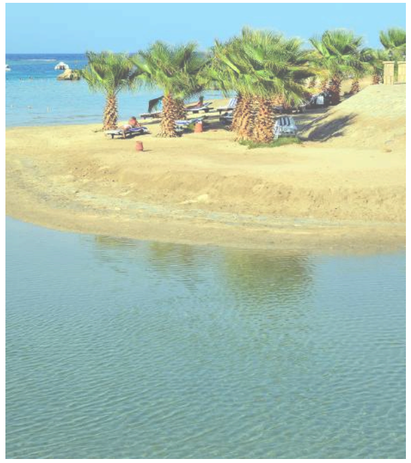
Environmental Management

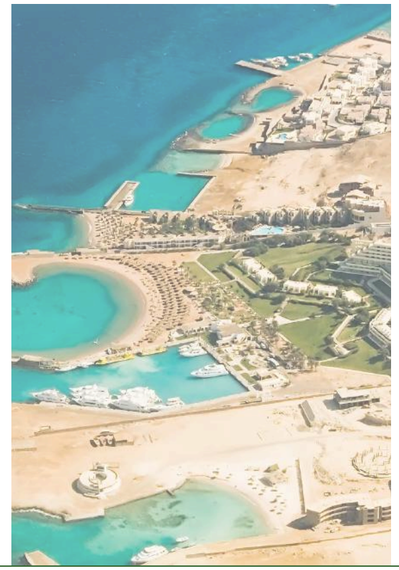
Biodiversity Conservation



Organization







Selected Projects

Strategic Environmental Assessment for the Southern Red Sea Tourism Sector, Egypt

Commissioned by Environics/UNDP , 2020-2022

- This assignment introduced the Strategic Environmental Assessment (SEA) for tourism development along the southern Egyptian Red Sea coast, spanning from Quseir to the southern borders of Wadi El Gemal protected area. It was conducted in four phases: inception, scoping, sustainability assessment, and SEA reporting.
- The primary objective was to provide national and local planning authorities with strategic insights to guide decision-making. Findings from the SEA also contributed to exploring the integration of biodiversity conservation measures into the country's existing Environmental Impact Assessment (EIA) guidelines for tourism investments. Additionally, the SEA outlined a strategic framework for identifying, preventing, mitigating, and offsetting environmental impacts within the region's tourism sector.

The SEA has proposes plan alternatives based on the requirement of client. A number of alternatives has been proposed, generated based on the following:

- Scenario planning exercise,
- Results of the assessment of the BaU scenario,
- Guiding principles proposed in the Sustainability Assessment Report
- Consultant's judgement and experience in the project area.
- Potential alternatives have been divided into two groups, based on characteristics of the study area; group one of alternatives addresses sector one while group two focuses on sector two.

Technical Assistance for the Application of Environmental Measures in Hotels' Operations, Egypt

Commissioned by Environics/Chemonics 2020-2021

This project, in collaboration with the tourism sector, aimed to:

- Assess the feasibility of identified best practices in environmental sustainability that could be adopted by hotels and provide support for their implementation.
- Develop and deliver specialized training programs, including Training of Trainers (ToT) sessions, for environmental experts and selected hotel staff.
- The scope encompassed the formulation and execution of Environmental Sustainability Measures, ensuring feasibility, implementation, and capacity-building as essential components of integrated environmental management across Egypt's tourism sector.

EIA for construction and operation of Magawish marina extension, Hurghada, Red Sea, Egypt

Commissioned by Magawish Real Estate and Tourist Investment. 2020

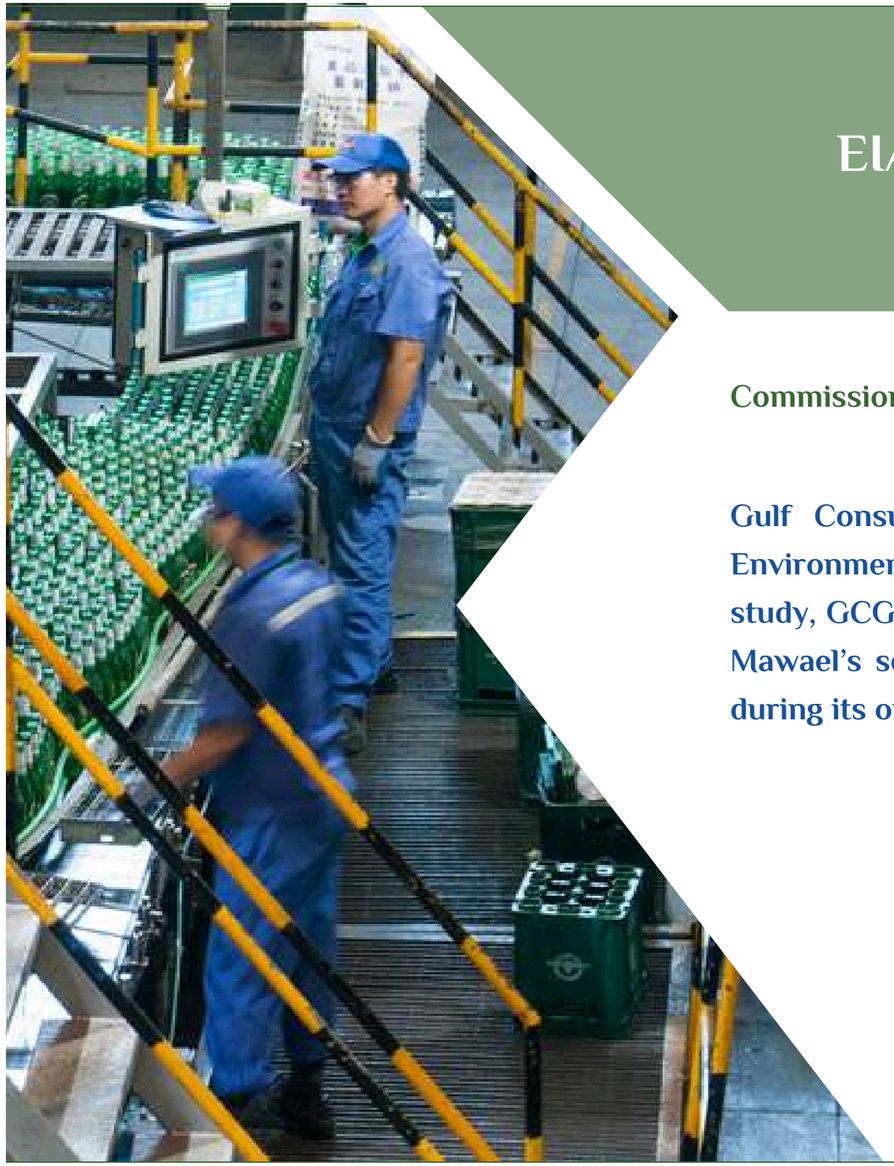
Magawish Real Estate and Tourism Investment Company plans to extend the existing jetty at Magawish Resort in Hurghada to support the resort's new development.

The Environmental Impact Assessment (EIA) for this project has been conducted in compliance with national regulations and environmental guidelines established by the Environmental Affairs Agency, the Ministry of Tourism, and the Tourism Development Authority. A marine survey was carried out to identify ecologically sensitive areas and ensure that construction and operational activities minimize environmental impact. The findings from the survey also informed the selection of the most suitable areas with lower ecological sensitivity.

EIA for Baladna Food Industries, State of Qatar

Comissioned by WES, 2021

Wataniya Environmental Services Company (WES) was conducting an Environmental Impact Assessment (EIA) for Baladna Food Industries, Qatar's largest fresh dairy producer. As part of this project, WES has subcontracted Mawael to carry out air dispersion and odour modeling, as well as noise modeling. Mawael's role involves a quantitative assessment of air and noise impacts within the project area during its operational phase, contributing to the overall EIA findings.



EIA for Ibn El Nafees Battery Recycling Facility, State of Qatar

Commissioned by GCG, 2021

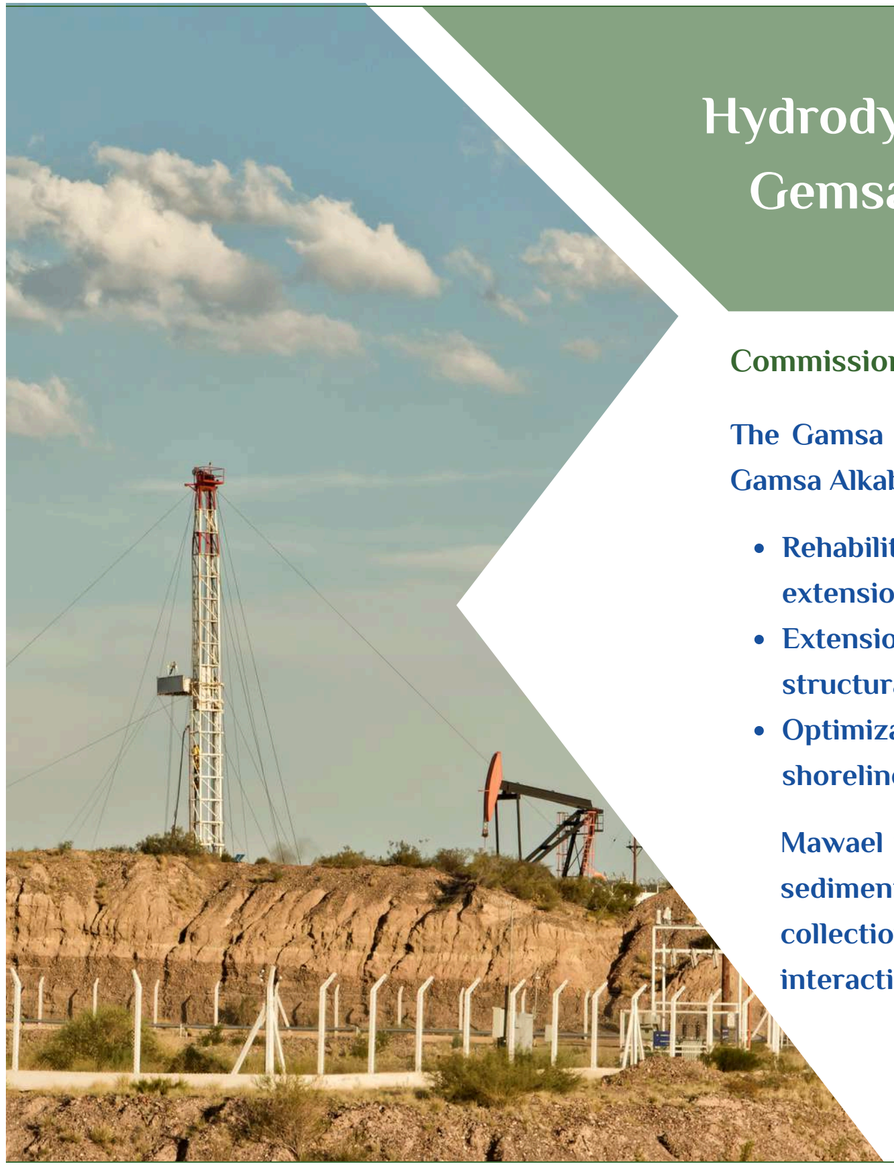
Gulf Consulting Group (GCG), a Doha-based engineering consultancy firm, was conducting an Environmental Impact Assessment (EIA) for the Ibn El Nafees Battery Recycling Facilities. As part of this study, GCG has engaged Mawael-Environmental Experts to carry out air dispersion and noise modeling. Mawael's services include a quantitative assessment of air and noise impacts within the project area during its operational phase, with findings integrated into the overall EIA.

EIA, Air Dispersion and Noise Modelling for Technical Factory for Plastic Recycling, State of Qatar

Commissioned by GCG, 2021

Gulf Consulting Group (GCG) has developed the engineering design for the Technical Factory for Plastic Recycling, located in the Afja Industrial Zone. To support this project, GCG has engaged Mawael-Environmental Experts to conduct the Environmental Impact Assessment (EIA) in compliance with Qatar's national environmental legislation.

The EIA process was carried out in two phases. The first phase defined the scope of work and terms of reference, while the second phase documented the assessment process following approval by the Ministry of Municipality and Environment (MME). Additionally, the assignment included the quantification of environmental impacts using numerical models, such as air dispersion and noise modeling.



Hydrodynamic and Shoreline Morphological Modelling Studies for Gemsa Oil Field – Gemsa Lease, Gulf of Suez, Red Sea, Egypt

Commissioned by Petrosafe, 2021

The Gamsa oil field, located in the southern Gulf of Suez, consists of two peninsulas: Gamsa Alsaghira and Gamsa Alkabira. This study focuses on several key project components:

- Rehabilitation and maintenance of the rock jetty structures at Gemsa oil well #24, without expansion or extension.
- Extension of the existing rock jetty at well #24 by 30 meters to support pollution control efforts, ensuring structural integrity against coastal dynamics and enhancing containment measures for oil spills.
- Optimization of the coastal road connection between two existing jetty structures, running parallel to the shoreline over a 300-meter span.

Mawael was subcontracted to conduct hydraulic modeling, assessing critical coastal hydrodynamics and sediment transport rates at the project site and its associated structures. The scope of work includes data collection and the application of hydrodynamic numerical flow models to simulate tide and wave interactions along the shoreline, providing insights for effective project implementation.

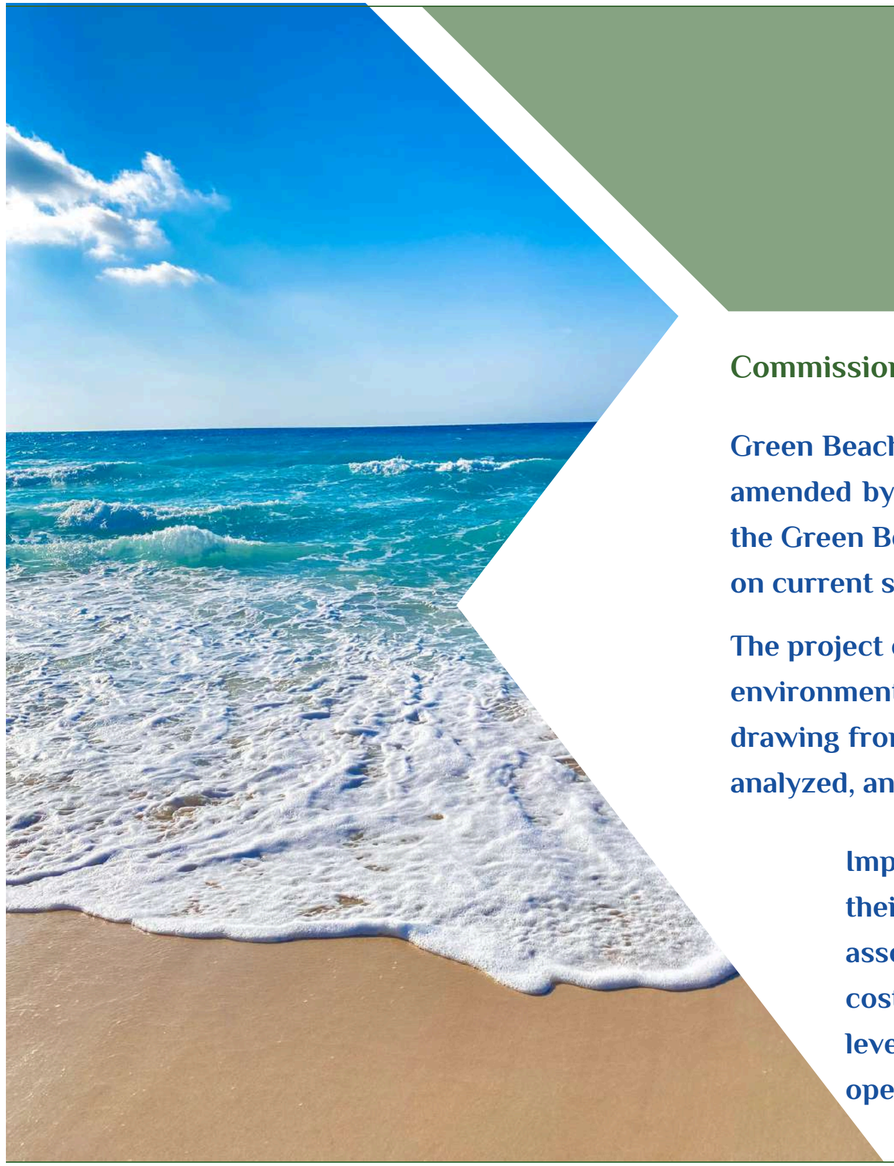
Underwater Noise Modelling for Doha Causeway, State of Qatar

Commissioned by WES/PARSONS, 2021

Mawael, in partnership with Seiche (UK), is modeling underwater noise linked to the Doha causeway construction, assessing potential impacts on marine fauna across various project phases. A detailed impact assessment examines noise-related risks from dredging, island reclamation, piling, bridge construction, and operations. Where direct noise data is unavailable, estimations are based on comparable environmental conditions.

A review of marine species' hearing sensitivity informs auditory injury and behavioral response thresholds. Noise propagation modeling, using a peer-reviewed approach, considers sound divergence, seabed bathymetry, scattering losses, and absorption, with outputs structured around ecologically relevant indices agreed upon with stakeholders.

Wataniya Environmental Services (WES) has conducted underwater noise monitoring, with Mawael subcontracted for baseline data analysis using RTSYS acoustic recorders. The data processing follows a structured methodology—quality checks, refinement, and interpretation—leveraging MATLAB-based ESP3 open-source code and customized algorithms to ensure precise analysis.



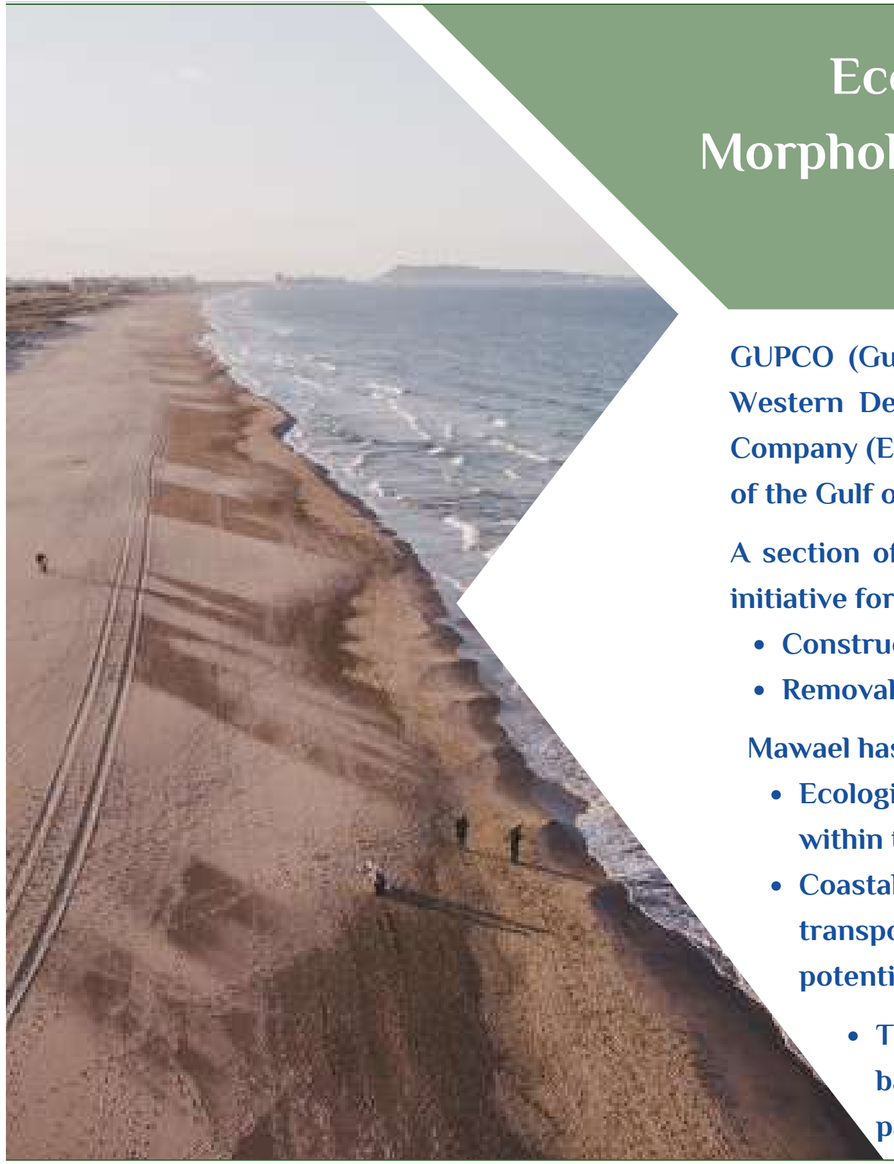
EIA for Green Beach Resort, North Coast, Egypt

Commissioned by Green Beach Association, 2021

Green Beach Resort was established in the 1990s, prior to the enforcement of Environmental Law 4/1994, later amended by Law 9/2009. In seeking to legalize the project and secure the necessary environmental permits, the Green Beach Association has engaged Mawael to conduct an Environmental Impact Assessment (EIA) based on current site conditions.

The project entails the preparation of an EIA Category (C) study report, aligned with national EIA guidelines and environmental quality standards. The assessment includes a review of environmental baseline conditions, drawing from existing literature and secondary data sources. Various project alternatives have been identified, analyzed, and evaluated to equip decision-makers with essential insights on the most suitable approach.

Impacts—both positive and negative—have been examined using an appropriate matrix to determine their effects on environmental and social components. Significant negative impacts have been assessed in accordance with best practices, with key concerns highlighted. Additionally, effective and cost-efficient mitigation measures have been proposed to minimize adverse effects to acceptable levels. The EIA also incorporates an Environmental Management Plan outlining institutional, operational, and monitoring actions to be implemented by the project proponent.



Ecological marine survey, Hydrodynamic and Shoreline Morphological Modelling Studies for 18” LPG J-10D / RSH pipeline, Ras Shukheir, Gulf of Suez, Red Sea, Egypt

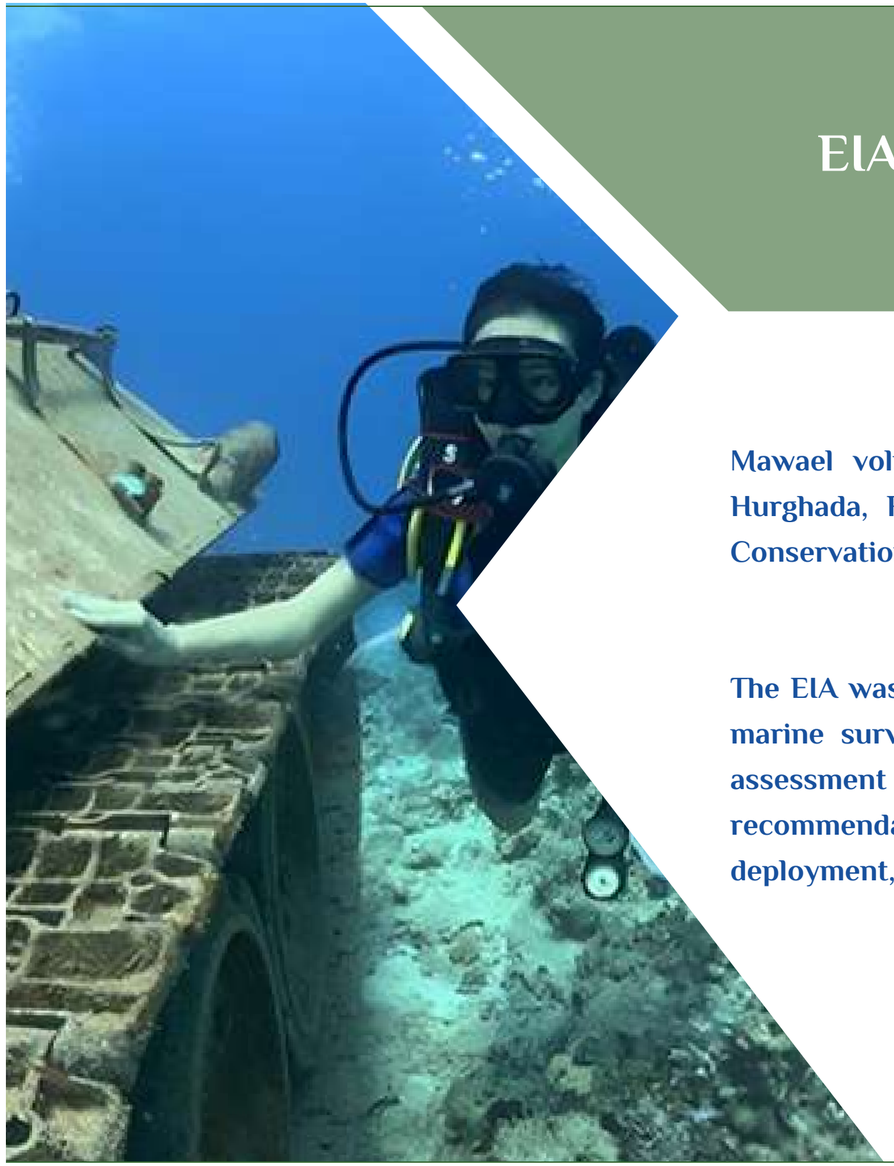
GUPCO (Gulf of Suez Petroleum Company) oversees oil and gas production across the Gulf of Suez, the Western Desert, and the Nile Delta. As a joint venture between BP and the Egyptian General Petroleum Company (EGPC), GUPCO operates Ras Shukheir, an offshore oil loading terminal located on the western shore of the Gulf of Suez, which features three sea berths for loading crude oil and LPG.

A section of the 18” LPG J-10D / RSH pipeline has sustained damage, prompting a repair and enhancement initiative for the nearshore Liquefied Petroleum Gas (LPG) pipeline. The scope of the repair plan includes:

- Construction of an access road and causeway
- Removal of the damaged pipeline section and installation of a new 18” pipeline segment

Mawael has been subcontracted to undertake the following tasks:

- Ecological marine survey to assess the current condition of the marine environment and biodiversity within the project area and its surroundings.
- Coastal hydrodynamic and shoreline change modeling, simulating morphodynamic and sediment transport processes near the shoreline, including interactions with proposed structural facilities and potential impacts on coastal stability.
- The scope of work involves comprehensive data collection, covering structural configurations, bathymetric profiles, wind and wave climate data, water level measurements, and other essential parameters required for modeling and analysis.



EIA for the military museum, Hurghada, Red Sea, Egypt

Mawael voluntarily conducted an Environmental Impact Assessment (EIA) for the military museum in Hurghada, Red Sea, Egypt. The project was supported by the Hurghada Environmental Protection and Conservation Association (HEPCA), the Red Sea Governorate, and the Ministry of Environment.

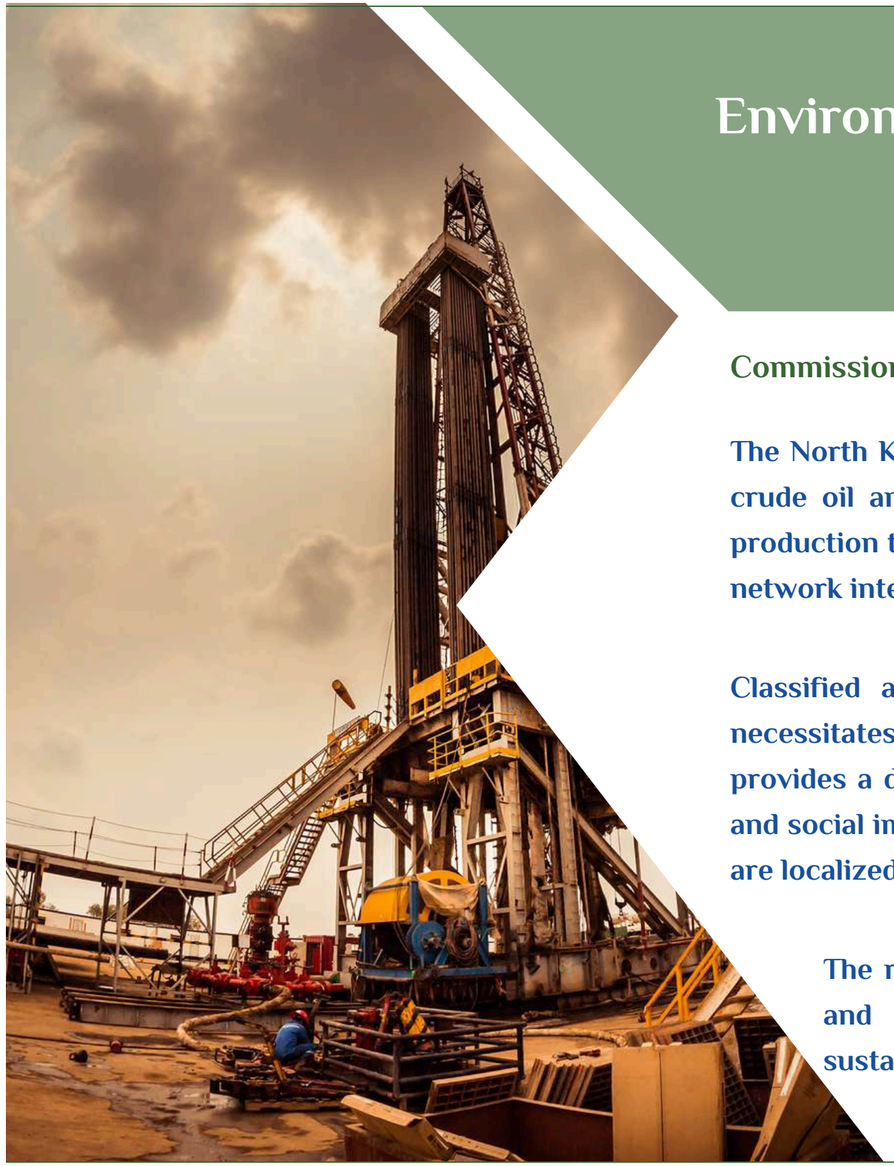
The EIA was prepared in compliance with national regulations and guidelines. Mawael received and analyzed marine survey data provided by HEPCA to establish the environmental baseline. Additionally, an impact assessment was carried out, and an Environmental Management Plan (EMP) was developed. Specific recommendations, particularly concerning Health, Safety, and Environment (HSE) measures during deployment, were also provided.

Environmental Site Assessment Report s for GC 15, GC23, and GC25, KOC NK, State of Kuwait

Commissioned by WES, 2021-2022

The Environmental Site Assessment (ESA) Study evaluates soil and groundwater quality in areas of concern within GC 15 operations, alongside assessments of ambient air quality (AAQ) and occupational noise levels across the operation site. Additionally, the study examines workplace conditions to assess worker exposure.

Conducted in accordance with Kuwait Environmental Public Authority (KEPA) regulations and guidelines, the assessment is based on site-specific environmental measurements and monitoring carried out by WES. Mawael has prepared the ESA report to identify areas of compliance and non-compliance with KEPA standards, providing targeted recommendations to address any noncompliant findings.



Environmental and Social Assessment Report (ESAR) for EF 2131, KOC NK, State of Kuwait

Commissioned by WES, 2022

The North Kuwait Field is undergoing rapid development in line with the KOC 2040 strategy, ensuring stable crude oil and gas production while addressing rising water cut levels. The Bahra Field aims to achieve a production target of 60 MBOPD through the drilling of 133 wells, supported by an ESP wells power distribution network integrated with substations via 11 W ring circuits.

Classified as Category B under Kuwait's Environmental Impact Assessment (EIA) system, the project necessitates an Environmental and Social Assessment Report (ESAR) per KEPA EIA guidelines. The ESAR provides a detailed baseline analysis using primary and secondary data sources and evaluates environmental and social impacts across construction and operational phases. Findings indicate that potential negative effects are localized, reversible, and manageable through mitigation measures

The report also prescribes environmental management actions covering demolition, construction, and operation, incorporating monitoring protocols and reporting requirements to ensure sustainable project execution.

EW/0012 - Replacement of 12” Crude Oil Line with 16” Crude Oil Line and Associated Facilities, State of Kuwait

Commissioned by WES, 2021-2022

Kuwait’s share of WJO Crude Oil is transported via 20” and 16” pipelines to KOC, while Eocene Crude Oil reaches KNPC’s Mina Al Ahmadi (MAA) refinery through a network connecting WJO, Mina Al Abdalla (MAB), and MAA refineries

The project involves engineering, procurement, construction, and commissioning of a new 16” piggable pipeline to replace the existing 12” segment, extending from the MAB fence tie-in point to the MAA refinery feed tanks. It is divided into:

- Portion A: From the agricultural farm tie-in to the sectionalized valve outside MAA refinery.
- Portion B: From the sectionalized valve to the pig receiver inside MAA refinery

Wataniya Environmental Services (WES) commissioned Mawael to conduct an Environmental and Social Assessment Report (ESAR) to secure the environmental permit per Kuwait’s regulations. The ESAR assesses baseline environmental conditions and evaluates impacts across demolition, construction, and operational phases. Findings indicate that negative effects are localized, reversible, and manageable with mitigation measures.

The ESAR also details environmental management actions throughout the project's lifecycle, including mitigation strategies, monitoring protocols, and compliance reporting.

Strengthening Protected Area Systems and their Management and Establishing a New Marine Protected Area in Red Sea, Egypt

Commissioned by EDG/UNDP

Mawael, as part of an Egyptian consortium with EDG (lead consultant) and Environics, was awarded a UNDP project focusing on biodiversity conservation. The assignment consists of two key components:

- Component One: Developing or updating management plans for four Protected Areas, including capacity-building initiatives and visitor management strategies, based on a comprehensive assessment report.
- Component Two: Conducting a study to identify and designate a Marine Protected Area (MPA) in the Red Sea to preserve habitats and biodiversity, particularly pristine coral reef sites threatened by coastal development.
- The project falls under Egypt's national initiative, "Mainstreaming the Conservation and Sustainable Use of Biodiversity into Tourism Development and Operations in Threatened Ecosystems," funded by GEF and implemented by UNDP Cairo. Mawael leads Component Two and provides marine research support for Component One.

Development of a Post-2020 National Strategy for marine and coastal protected areas (MCPAs) and other effective area-based conservation measures (OECMs) in the Mediterranean coast of Egypt

Commissioned by SPA/RAC, 2022-2023

The Regional Activity Center for Specially Protected Areas (RAC/SPA) under the Barcelona Convention has entrusted Mawael's founders with the development of a Post-2020 National MPA Network Strategy for the Egyptian Mediterranean Coast.

RAC/SPA is dedicated to protecting, preserving, and ensuring the sustainable management of marine and coastal areas of exceptional natural and cultural significance, as well as safeguarding threatened and endangered Mediterranean species.

This study is conducted within the framework of the IMAP-MPA project—a regional initiative titled "Towards Achieving the Good Environmental Status of the Mediterranean Sea and Coast through an Ecologically Representative and Efficiently Managed and Monitored Network of Marine Protected Areas." The project is funded by the European Union (EU).

The assignment is expected to support the establishment and enhancement of Marine and Coastal Protected Areas (MCPAs) and Other Effective Area-Based Conservation Measures (OECMs) while shaping management and policy frameworks in Egypt. It will also provide Egypt with the opportunity to introduce its first national instrument for Mediterranean conservation, aligning with global and regional post-2020 biodiversity agendas.

Strategic Environmental Assessment of the Western North Coast and SIWA Tourism Plans, Egypt

Commissioned by Environics/UNDP

The Strategic Environmental Assessments (SEAs) for Siwa and the Northwestern Coast aim to integrate sustainability into tourism planning, supporting policymakers and investors. They also define strategies for impact avoidance, mitigation, and offsetting

Scope of Work:

- Preparatory Phase: Reviewing SEA scope in a workshop.
- Baseline Assessments: Evaluating environmental, social, and economic conditions.
- Scenario Projections: Assessing current and future trends with stakeholders.
- Alternative Assessments: Identifying risks and best practices for biodiversity conservation.

These assessments provide actionable insights for sustainable tourism development while protecting Egypt's natural ecosystems.

The ESIA and ESMP for Green Sharm El Sheikh – Biodiversity Workstream aim to evaluate the social and environmental impacts of the project, identify risks, and establish strategies for mitigation, offsetting, and compensation.

Primary Goal:

Ensure compliance with national environmental laws and UNDP's Social and Environmental Standards (SES)

Key Objectives:

- Develop ESIA and ESMP frameworks for biodiversity conservation.
- Assess and mitigate potential socio-environmental impacts in line with national and UNDP SES requirements.
- Establish environmental and social management plans, including guidelines for contractors.
- Facilitate stakeholder engagement through structured consultations.

Assessment Focus Areas:

- Large-scale infrastructure activities, including construction.
- Livelihood and resettlement action plans as needed.
- Regulatory enforcement and access restrictions in marine ecosystems.
- Long-term climate change and human-induced impacts on coral reefs.
- Coordination with a second ESIA/ESMP contract regarding Indigenous Peoples and compliance with UNDP SES.

Coastal Development Technical Guideline for NEOM Authority, KSA

Commissioned by IHC/NEOM, 2022-2023

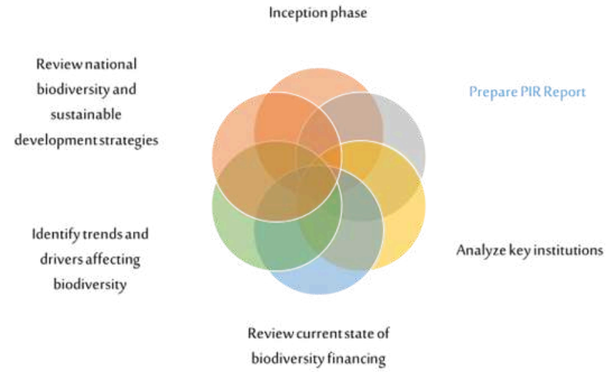
Mawael, in collaboration with IHCantabria, is providing consultancy services for the NEOM Authority in Saudi Arabia. The project consists of four key tasks:

- Task One: Reviewing NEOM's draft Coastal Development Technical Guideline and benchmarking its requirements against global best practices, including standards from Egypt, Qatar, Spain, Scotland, Denmark, Australia, and Saudi Arabia.
- Task Two: Updating the guideline to align with international best practices.
- Task Three & Four: Evaluating NEOM's coastal management framework to determine the need for an Integrated Coastal Zone Management (ICZM) program and recommending optimal institutional and legal arrangements.
- This initiative enhances coastal development strategies while integrating sustainable management practices into NEOM's environmental framework.

Biodiversity Finance Policy and Institutional Review (PIR) for Egypt

Egypt's Biodiversity Finance Policy and Institutional Review (PIR) is the first phase of its participation in BIOFIN, a global initiative addressing biodiversity funding gaps, launched after COP 10 in Nagoya, Japan. With BIOFIN's support, Egypt aims to:

- Evaluate policy, institutional, and economic frameworks for biodiversity finance.
- Assess biodiversity expenditures across public, private, and donor sectors.
- Estimate financial resources needed to achieve biodiversity targets.
- Develop a finance plan to mobilize necessary funds and policies

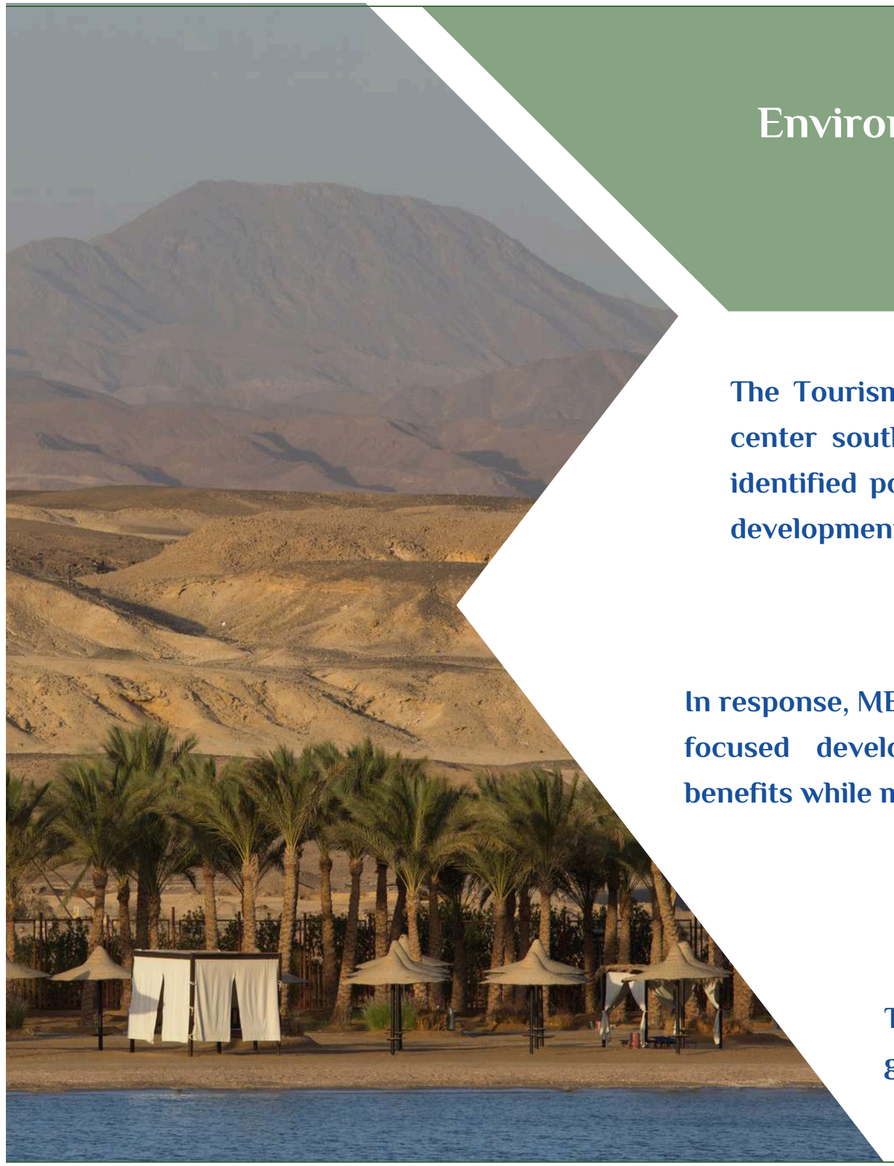


BIOFIN's methodology helps countries assess expenditures, project financial needs, and identify funding solutions. Mawael, commissioned by UNDP, is leading Egypt's PIR to strengthen biodiversity finance and conservation efforts

EIA for Baladi Tourist Project, Ras Duri, Red Sea, Egypt

Baladi Tourist and Real Estate Co. plans to develop an integrated tourism project at Ras Duri, south of Marsa Alam City, Red Sea, Egypt. As part of regulatory requirements, the project is subject to an Environmental Impact Assessment (EIA).

Mawael has been contracted to conduct the EIA in compliance with national regulations and environmental guidelines set by the Environmental Affairs Agency, the Ministry of Tourism, and the Tourism Development Authority. Both marine and terrestrial surveys have been carried out to identify ecologically sensitive areas and ensure that construction and operational activities minimize environmental impact on coastal and marine ecosystems. Additionally, the marine survey results have informed the selection of the most appropriate development areas with lower ecological sensitivity.



Environmental Site Assessment of Sharm El Fokairy Tourist Development Center, Red Sea, Egypt

The Tourism Development Authority (TDA) oversees tourism in Egypt, including Sharm El Fokairy, a designated center south of Marsa Alam. A Strategic Environmental Assessment (SEA) of Southern Red Sea Tourism Plans identified potential environmental and social impacts, prompting recommendations for mitigation and sustainable development.

In response, MBDT and TDA have committed to an ecotourism-focused development plan that optimizes socioeconomic benefits while minimizing environmental risks.

To support sustainable site management, Mawael has structured an environmental assessment report, guiding decision-makers toward responsible tourism development.

Development of a Conservation Action Plan for Endangered Species (Dugong and Sea Turtles) at Wadi El Gemal National Park WGNP - Red Sea

Wadi El Gemal National Park (WGNP) hosts several endangered marine species, notably dugongs and sea turtles, necessitating urgent conservation measures. Dugong populations in Marsa Alam remain low, with recent surveys recording 30 individuals across 22 sites. Abu Dabbab and WGNP's coastal waters are primary habitats. Sea turtles, vulnerable to overexploitation, require long-term recovery efforts

This initiative focuses on developing a comprehensive conservation action plan for these species in the Red Sea Governorate, involving:

- Status Assessment: Evaluating dugong and sea turtle populations across WGNP.
- Stakeholder Engagement: Identifying roles in species management and conservation.
- Strategic Conservation Planning: Defining measures for effective species protection and sustainable management.

The plan provides a structured framework for long-term marine biodiversity conservation within WGNP.

Development of Environmental and Social Risk Management (ESRM) procedural manual for PERSGA

The SFISH Project aims to enhance regional collaboration and strengthen capacities in the management of marine fisheries and aquaculture across the Red Sea and Gulf of Aden region.

To advance its mission, PERSGA implements a range of interlinked programs, projects, and activities focusing on marine conservation and resource management, including fisheries, aquaculture, biodiversity conservation, coastal management, pollution control, and climate change adaptation. These efforts involve diverse regional stakeholders to ensure comprehensive governance.

PERSGA aims to develop a robust environmental and social framework to enhance performance in ESRM practices. This requires:

- Capacity-building initiatives for PERSGA staff and stakeholders involved in ESS activities to ensure sustainable implementation.
- Periodic monitoring of ESRM compliance across all levels of intervention.

This consultancy seeks to develop an ESRM manual to minimize risks across PERSGA programs, projects, and activities, design and implement a training program to strengthen the capacity of PERSGA staff and key stakeholders for effective ESRMP execution at international standards.

The Egypt Resilient Blue Economy Technical Assistance (TA)

To support the development of an Egypt Resilient Blue Economy

The World Bank Group, in collaboration with the Government of Egypt (GoE), is advancing sustainable governance of coastal and marine resources to support Egypt's transition to a resilient and inclusive blue economy. This aligns with Egypt's national strategies—SDS 2030 and NCCS 2050—and focuses on sectors like ecotourism, fisheries, and marine ecosystem services.

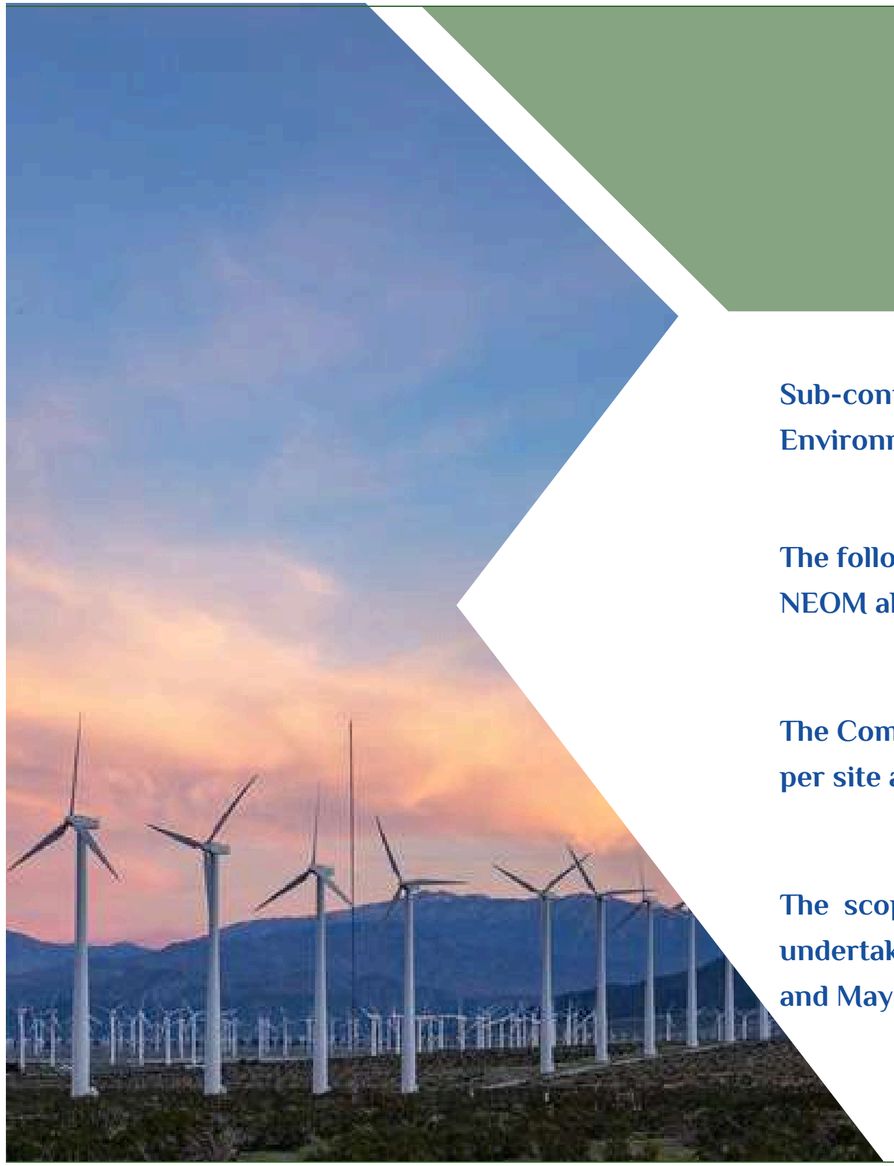
The Egypt Resilient Blue Economy Technical Assistance (TA), funded by the PROBLUE Trust Fund, aims to Conduct in-depth diagnostics of blue economy sectors, Support policy dialogue and stakeholder engagement, and develop a comprehensive "Egypt Blue Economy Strategy and Action Plans".

PD, an international consultancy firm, was awarded the assignment to develop the 'Egypt Blue Economy Strategy and Action Plans.' Mawael was subcontracted to provide local environmental support, with a specific focus on stakeholder mapping and reviewing project deliverables to ensure alignment with national and local contexts.

Climate Investment Funds (CIF) - Nature, People, and Climate (NPC) Program - EGYPT

As part of Egypt's engagement in the Climate Investment Fund's Nature, People, and Climate (CIF NPC) Program, Mawael supported the development of the national Investment Plan led by MoPEDIC and four multilateral development banks (World Bank, IFC, EBRD, AfDB). Our contribution focused on the Coastal Ecosystem Resilience component through two assignments:

- With IMDC: We conducted a diagnostic assessment of coastal vulnerabilities, mapped stakeholders, evaluated ecosystem services, and helped prioritize bankable nature-based sub-projects.
- With the World Bank: We refined proposed interventions, supported the program's Theory of Change and implementation framework, and delivered detailed concept notes and the final Investment Plan report.



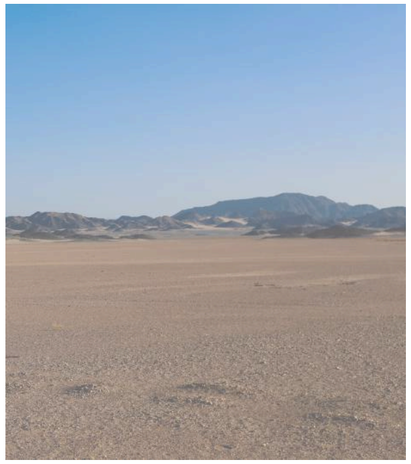
Ornithology Survey For NEOM Windfarms

Sub-contract between Wood, AMEC Foster Wheeler Energy and Partners Engineering Company & Mawael Environmental Consultancy.

The following Scope of Services are to be performed at or in connection with the Employer's Site at NEOM along with the programme and completion dates.

The Company, on behalf of NEOM, reserves the right to change priorities for sites and level of efforts per site and make any adjustments to the scope of services as necessary for its project development.

The scope of works associated with this service agreement pertain to the allocation of field ecologists o undertake ORNITHOLOGY spring surveys in NEOM Windfarms in 2025 during the period between February and May 2025.



Key Personnel Qualifications

Ayman Afifi, MSc.

Mr. Afifi, an environmental and conservation expert with 30 years of experience, specializes in marine and coastal ecosystems. Holding a master's in Oceanography, he began his career in 1995 as a researcher and park ranger in Southern Sinai, later becoming the first ranger and park manager in the Red Sea and Acting General Manager of the Red Sea Protectorates.

His expertise includes marine biodiversity conservation, coastal zone management, environmental impact assessment, and marine protected area (MPA) management. With strong GIS and remote sensing skills, he holds PADI certifications in advanced diving and underwater photography. He played a key role in establishing three protected areas in Egypt and has managed major donor-funded projects, including multimillion-dollar marine conservation initiatives in Qatar.

Mahmoud Fouad, MSc.

Mr. Fouad, a Marine Biologist with over 20 years of experience in environmental and conservation management, holds an M.Sc. in Marine Ecology. He started as an Environmental Researcher in Southern Sinai before advancing to Acting Assistant Director of the Nature Conservation Sector.

Transitioning to the private sector in 2012, he became a Senior Consultant at Environics, contributing to major coastal management, tourism, and offshore/onshore oil and gas projects across Egypt's Mediterranean and Red Sea regions. His expertise includes marine surveys, ESIA, and IESIA studies.

He played a key role in cetacean conservation, mentoring Egypt in the MedPAN South – WWF Mediterranean project, joining MedPAN's Board in 2013, and developing Egypt's national cetacean action plan. His conservation efforts span evaluating medicinal plant projects, leading national cetacean monitoring, and promoting public awareness in migratory bird conservation.

Mostafa M. Fouda

Prof. Fouda, an expert in biodiversity and marine conservation, currently serves as the Minister of Environment Advisor on Biodiversity. He is a member of IPBES's Multidisciplinary Panel and the CITES Animal Committee, as well as chairman of Egypt's IUCN National Committee. He has chaired numerous international marine workshops and was Director of the Nature Conservation Sector at EEAA, overseeing over $30 million in conservation projects.

He is Egypt's focal point for global environmental conventions and has extensive experience in wildlife conservation, marine biodiversity, and protected area economics. Previously, he held academic and advisory roles at Sultan Qaboos University, UNEP, and NOAA. Since earning his Ph.D. in 1980, he has supervised over 120 theses and published around 200 papers on marine policy, biodiversity, and environmental impact assessment.

Sameh A. Sakr

Prof. Sakr, a seasoned expert in water resources planning and management, has over 30 years of experience at Egypt's Research Institute for Groundwater. His research spans hydrogeology, groundwater hydraulics, contaminant transport modeling, seawater intrusion, aquifer remediation, watershed management, integrated water resources management, and environmental impact assessment (EIA).

He has contributed to projects on water harvesting, flood protection, water demand forecasting, and agricultural drainage reuse. His expertise extends to project management, stakeholder participation, and monitoring and evaluation. Prof. Sakr's work has had a broad geographic scope, covering Egypt, Saudi Arabia, Kuwait, Qatar, UAE, Sudan, Libya, Syria, and the USA.

Samir Abo-Hadima

Prof. Abohadima, an expert in mathematical modeling, numerical simulation, and fluid mechanics, has 25 years of experience. After earning his B.Sc. in Aeronautical Engineering from Cairo University in 1991, he completed a Diploma in Physics in 1992 and later developed a nonlinear numerical model of wave transformation during his Ph.D. at Tokyo University.

He served as General Manager of ASI's Egypt branch for over 14 years and was promoted to Associate Professor at Cairo University in 2006. His expertise spans hydrodynamic modeling, tidal analysis, water quality studies, sediment transport, oil spill modeling, and environmental impact assessments. He has contributed to global projects in Japan, Saudi Arabia, Kuwait, Morocco, UAE, the Philippines, Bulgaria, Mozambique, and Egypt, and provided consultancy at Kuwait Institute for Scientific Research.

Amir Gohar

Dr. Gohar, an expert in urbanism, tourism planning, and sustainable development, has nearly 20 years of experience working across diverse environments, from open landscapes to dense urban centers and historic neighborhoods. He is committed to balancing urban growth with environmental protection.

Holding a doctorate, a master's in Urban Design from Oxford Brookes University, and a diploma in Land Management from Erasmus University, he has collaborated with major international agencies such as USAID, UNDP, UN-Habitat, and AKTC. His project portfolio includes work with renowned architectural and urban development firms across various sectors, contributing to sustainable urban planning and design initiatives.

Nihal Al Sabbagh

Dr. Nihal Al Sabbagh, a leading Sustainability Architect, holds a Ph.D. from the Architectural Association School of Architecture in London, where she researched walkability and thermal comfort in Dubai. She also earned an M.Sc. in Sustainable Design from the British University in Dubai and CardiQ School of Architecture.

As Founder and Design Director of Environas, she drives projects that prioritize user comfort and sustainable building practices. She serves as Adjunct Faculty at multiple universities and actively contributes to international conferences, publications, and green initiatives. Her work integrates microclimatic analysis and energy simulation to enhance comfort in hot urban environments.

Usama El Faramawy

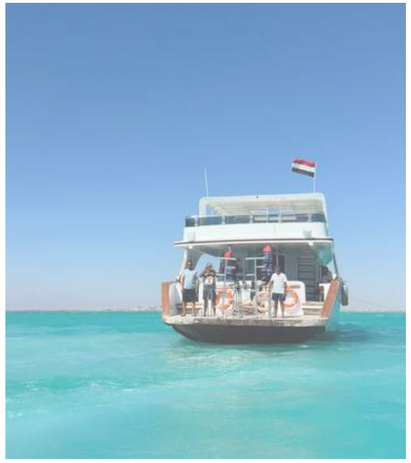
Eng. Faramawy, a seasoned expert in meteorology, has over 35 years of experience in numerical weather prediction, air quality modeling, and emission inventory projects. Holding a master's degree and a diploma in Meteorology, he has contributed numerous research publications in international journals.

Since his appointment to the Egyptian Meteorological Authority in 1988, he has led scientific investigations using advanced air quality and meteorological models, developed new modeling tools, analyzed environmental data and policies, and communicated findings through reports and consultations

Hammam Naguib

Eng. Hammam, a seasoned GIS team lead with a BSc in Urban Planning, brings nearly 20 years of expertise in engineering and environmental consultancy. He excels in geospatial data analysis for environmental impact assessments, strategic planning, and infrastructure projects.

His specialization includes spatial data collection, geospatial database management, environmental mapping, land use analysis, habitat mapping, visual impact assessment, site suitability analysis, linear reference analysis, 3D modeling, and automated geoprocessing.



MAWAEL Credentials

وزارة البيئة
جهاز شئون البيئة

شهادة قيد واعتماد
بيت خبرة فى مجال البيئة (مكتب استشارى)

يشهد جهاز شئون البيئة بأنه قد تم قيد واعتماد بيت الخبرة (المكتب الإستشارى)
"مكتب موائل - خبراء البيئة"
بيتا للخبرة فى مجال البيئة بناء على قرار اللجنة العليا المؤرخ فى : ٩ / ٦ /٢٠٢٤ ومديره المسئول
السيد / أيمن محمد أحمد عفيفى
إعمالاً للمادة رقم ١٣ مكرر من القانون رقم ٤ لسنة ١٩٩٤ والمعدل بالقانون رقم ٩ لسنة ٢٠٠٩
فى شأن حماية البيئة ولائحته التنفيذية المعدلة بالقرار رقم ١٠٩٥ لسنة ٢٠١١
برقم قيد : ٢٠٢٤/٦/٩/٦٤
وهذه الشهادة سارية لمدة خمس سنوات اعتباراً من ٩ / ٦ /٢٠٢٤ وحتى ٨ / ٦ /٢٠٢٩
وتعتبر هذه الشهادة لاغية فى حالة وقف الترخيص لبيت الخبرة لأى سبب قانونى .

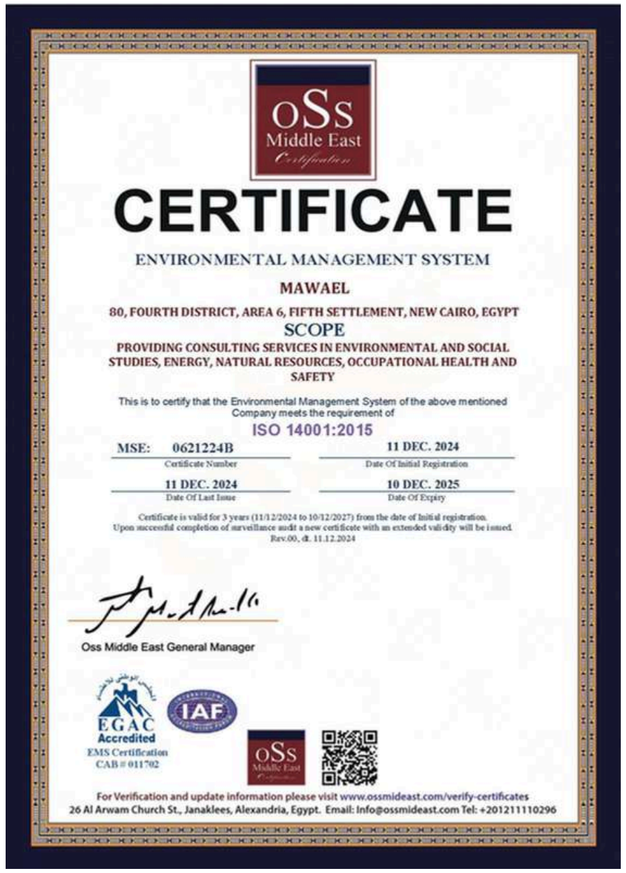
وزير البيئة
رئيس اللجنة العليا للقيد والاعتماد

الرئيس التنفيذى
رئيس الأمانة الفنية للجنة العليا للقيد والاعتماد

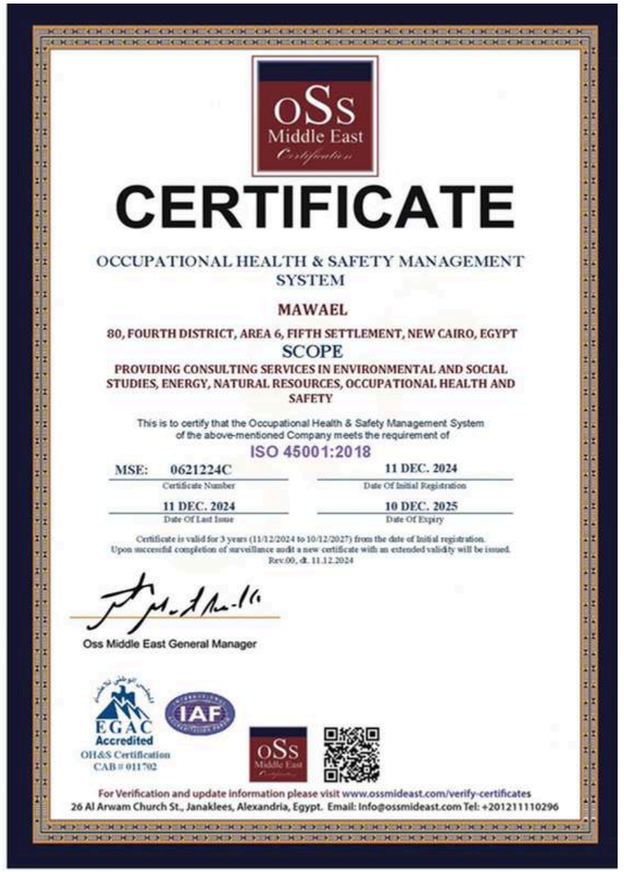
وزارة البيئة

Certificate of Registration and Accreditation for an Environmental House of Expertise
Issued by: Minsitry of Environment, Egypt.

ISO 9001:2015



ISO 14001:2015



ISO 45001:2018