



# **envir****trade**

*Environmental and technical support*





ENVIROTRADE has a significant track record and has proven its competence in the Egyptian environmental services market. The firm has acquired substantial experience in different environmental fields and has achieved unparalleled comprehension of the development of environmental management in Egypt.





- Environmental policies and planning
- Environmental Measurements and Monitoring
- Environmental impact assessment
- Institutional development
- Environmental training and capacity building
- Environmental profiles
- Environmental management systems
- Pollution abatement
- Hazardous waste management
- Solid Wastes Management





## Environmental Policy And Planning

ENVIROTRADE has mainly been involved in providing support in the formulation and implementation of policies. Our individual and collective experiences have heightened our awareness of the implement ability of policies. Accordingly, implementation requirements become an integral part of policy formulation to provide guidelines to the feasibility of the policies considered. Moreover, our involvement extends to the assessment of non-environmental policies to investigate their environmental implications, to recommend measures necessary for adjustments, and to ensure required mutual support. Our approach ensures effective integration of efforts and the achievement of required objectives through undertaking the following activities: a comprehensive investigation of current status and trends of policy-making, the formulation of suitable alternatives, which take into account the full spectrum of operational requirements as well as stakeholder roles and interests. A full awareness of costs and benefits of the alternative policies guides the formulation process.

### **Assignments within this field address several aspects including:**

- Development and analysis of environment-related policies and strategies
- Development of environmental action plans on the sector,local and entity levels
- Development of indicators and internal monitoring systems needed for evaluation and follow-up
- Assessment and evaluation of effectiveness of programs and projects







## Environmental Measurements And Monitoring

At ENVIROTRADE Company, We have the capabilities for all the environmental measurements related to industrial and service sectors including the following measurements:

- Work Environment pollutants and gases survey
- Ambient Air Monitoring (Continuous Air Monitoring)
- Noise Intensity, Noise Dose and Octave Band Survey
- Illumination intensity measurements
- Vibration , Heat stress measurements
- Industrial Stack Emissions and particulates measurements
- Exhaust emissions measurements
- Volatile Organic Compounds measurements
- Earthing Resistance Measurements
- Thermal Mapping
- Respiratory and Total Suspended Particulates measurements (TSP, PM10, PM7, PM5, PM2.5, PM1)



## Environmental Impact Assessment

At ENVIROTRADE, we believe that the EIA is a process geared towards environmental management and sustainability of the development through providing the basis for decision-making. Our approach depends on prevention rather than mitigation. As the early integration of environmental considerations is usually more cost effective in minimizing impact, we attempt to closely integrate the EIA in the design phase. The environmental dimension is employed in addressing and comparing siting, design and operation alternatives to select the most environmental-friendly options. In a number of cases, ENVIROTRADE has been involved in both the EIA development and the design of the project, which resulted in the incorporation of the environmental dimension as a design parameter. In all cases, assessment includes the impacts of the project on the environment as well as the impacts of the environment on the project to reach the required optimization between environmental safeguards and development sustainability. We believe that both the effectiveness and quality of the EIA depend mainly on the EIA team, on a full understanding of the project specific features and settings and on the utilization of the appropriate tools. ENVIROTRADE multidisciplinary team has prepared numerous EIAs in different sectors, including industry, both on the facility and complex level, mining, tourism, infrastructure, and waste management projects. The team seeks the skills of external experts to complement its in-house capabilities.





One of our main strengths is tailoring the EIA methodology and approach to the nature of the project, especially regarding analysis of baseline environmental data, impact assessment and recommendations. The tools used differ according to the type of projects and may involve qualitative and quantitative techniques including modeling, GIS and remote sensing. According to the type of projects, social assessment may be carried out as an integral part of the EIA or as a separate comprehensive study (social impact assessment). Along our assignments, we have prepared EIAs according to both Egyptian and International EIA standards. Throughout the development of the EIA, we maintain neutral professional interaction with both the developer and the regulatory authorities. This is to help internalizing the objective of achieving the balance between development and the need for environmental protection.

Assignments undertaken by the firm have addressed different aspects of the EIA system, namely; Policy-making and institutional development for EIA review system within the EEAA or other entities.

Preparation of strategic impact assessment to aid developers at the level of project planning and design levels.

Supporting developers for preparation of environmental and social impact assessment for their specific projects.

Training and capacity building





## Waste Management

ENVIROTRADE is active in the field of waste management and base line studies with a focus on Industrial wastes.

ENVIROTRADE has accumulated an experience unparalleled in Egypt in the different aspects of industrial waste management which allowed the provision of high quality consultancy services to both regulators and generators. Assignments undertaken by the firm have addressed different aspects of the industrial Waste Management System, namely development of system components, institutional development, development of guidelines, capacity building as well as supporting industrial facilities in implementing waste management practices. Targets for our activities are equally diverse, encompassing waste regulators, bodies involved in hazardous waste management operations, and hazardous waste generators with an emphasis on the industrial sector. Working with such a diversified client and stakeholders' base enables us to investigate, and constructively contribute to, hazardous waste management in Egypt from its different angles.





Envirotrade also had a major role in preparing environmental impact assessment studies from engineering sanitary landfills with major companies in Egypt and outside, to collect and treat non-hazardous municipal waste.

ENVIROTRADE team has been involved in assignments addressing almost all components of waste management system through the development of guidelines, procedures or training including classification of hazardous wastes, transportation, storage, permitting, on-site management as well as hazardous waste treatment and disposal. Along these assignments, ENVIROTRADE team has had ample opportunity for continuous involvement in and contribution to, evolving hazardous waste management issues as well as provides quality services to generators. Such multilateral involvement in the hazardous waste management system has allowed the firm to enrich the development of the system through useful feedback regarding the practicality and implement ability of related regulations and requirements.

Assignments within this field have addressed several items including:

- Training and capacity building of industry and regulatory agencies

- Technical support to the implementation of hazardous waste management

- Institutional development of hazardous waste related units and system





## Institutional Development

Since its establishment, ENVIROTRADE has been involved in institutional development projects addressing a wide spectrum of activities. A number of these activities include the establishment of new systems in which ENVIROTRADE team sets the principles for system evolution. ENVIROTRADE was involved in on a number of aspects:

- The institutional and organizational set-up of the system;

- Its internal and external communication network;

- The responsibilities, job description and profiles of involved personnel;

- The required tools, including guiding manuals; and

- Action plans for system establishment and procedures required to ensure its effective operation.

Other projects addressed the development of tools necessary for effective operationalization of existing systems. Such tools include working procedures, coordination procedures, and guiding manuals.

Our approach is based on a thorough understanding of the existing status of the system. This approach is addressed through comprehensive investigation and assessment to identify required action and activities.

Assignments within this field address several aspects including:

- Institutional set-up and upgrading of environmental systems while formulating mode of operation, procedures and coordination mechanisms

- Institutional set-up of environmental administration and the development of its operational procedures

- Capacity building of personnel through the development of guidelines and manuals

- Undertaking needs assessment studies to identify training, physical and technical needs



## Environmental Training And Capacity Building

ENVIROTRADE has ample experience in training and capacity building activities. The training activities address various audience including environmental managers, inspectors and environmental teams in different industrial and service facilities. The firm has developed extensive material to upgrade the capabilities of personnel so that they can effectively undertake their responsibilities. Environmental training is conducted to either provide newly recruited personnel with the fundamental background necessary to effectively undertake their responsibilities or as part of a continuous process of performance enhancement through an incremental accumulation of skills and knowledge. Other modules address the capacity building of experienced personnel to prepare them for the role. Throughout the different training modules, ENVIROTRADE has accumulated experience and information, particularly regarding industrial sectors, their environmental aspects, and pollution abatement measures. The topics of training include inspection, auditing, and implementation of environmental management schemes. of trainers for others. The firm has successfully conducted several training modules based on a uniform approach developed and continuously updated by ENVIROTRADE staff to ensure sustainability and effectiveness. This approach differs according to the experience of the trainees.





For newly recruited personnel, training is mainly based on maintaining continuous involvement of the trainees through group and individual exercises. This allows them to acquire the newly introduced skills, exchange experiences, and evaluate their acquired knowledge. For experienced personnel, on-the-job training is adopted to build on their field experience. A number of the training courses were preceded by a comprehensive training needs assessment for the target groups. Assignments within this field address several training subjects including:

- Environmental management systems
- Environmental impact assessment
- Hazardous waste management
- Inspection and environmental regulatory requirements
- Planning and management

Shoreline "beach enhancement" management

House reef management plans

Natural Resource/assets, carrying capacity assessment, monitoring and management plans

Waste management and impact mitigation.





## Environmental Profiles And Auditing

ENVIROTRADE has been involved in the preparation of a number of surveys ranging from environmental profiles at the national or governorate level to more specific surveys at the sectoral level. At ENVIROTRADE, efficiency of the data collection process is secured through a thorough understanding of the actions considered and careful identification of the assignment scope. In this manner, we avoid expending valuable resources in the preparation of exhaustive profiles. Scoped profiles would effectively contribute to the decision-making process by providing recommendations for action, based on the analysis of collected data. The process of data collection and assessment is supported by a network of contacts needed to acquire the necessary information. Interviews and field visits are conducted to incorporate the views of stakeholders in a comprehensive decision-making process. The recommended plans of action are based on a thorough investigation and analysis of collected information using decision rules appropriate to the focus of the assignment, thus ensuring a transparent and effective logical chain from data collection to recommended action. ENVIROTRADE has been involved in the preparation of a number of surveys ranging from environmental profiles at the national or governorate level to more specific surveys at the sectoral level. At ENVIROTRADE, efficiency of the data collection process is secured through a thorough understanding of the actions considered and careful identification of the assignment scope. In this manner, we avoid expending valuable resources in the preparation of exhaustive profiles. Scoped profiles would effectively contribute to the decision-making process by providing recommendations for action, based on the analysis of collected data. The process of data collection and assessment is supported by a network of contacts needed to acquire the necessary information. Interviews and field visits are conducted to incorporate the views of stakeholders in a comprehensive decision-making process. The recommended plans of action are based on a thorough investigation and analysis of collected information using decision rules appropriate to the focus of the assignment, thus ensuring a transparent and effective logical chain from data collection to recommended action.







## Energy Planning And Management

Energy has been part of ENVIROTRADE activities for a number of years. However, this activity that started as a growth of the environmental focus of the firm, has taken a path of its own during the last few years. This is a reflection of a rising interest in Egypt for energy management, and the realization that the energy mix highly reliant on depletable resources needs to be revisited. ENVIROTRADE activities in this area are mainly focused on the need for a balanced energy transition in which Energy Efficiency plays a dual role, economic returns/savings and allowing more time for the transition to Renewable Energy to take place. Accordingly, most of the activities are policy oriented, but also include the establishment of specific renewable energy plants and economic/financial assessment of specific interventions.





## Microbial SWAB Analysis :

The analysis of swab samples in a microbiological investigation can be an invaluable tool to help trace contamination pathways. Often used in hard to samples areas, such as ice machines or under cupboards this approach offers an opportunity to monitor bacteria around key infection routes.

A swab is used for the microbiological recovery of bacteria. They are useful for the recovery of aerobic, anaerobic and fastidious organisms. Swab samples offer clients the option of safe and efficient transport of bacteria from the sampling outlet to a laboratory for analysis.

Swab analysis is usually undertaken under the following scenarios:

surfaces, walls, equipment and machinery

To sample taps to determine the condition of a tap - can often be obtained by taking swab samples from the inside of the tap and around the nozzle. This can be difficult with certain types of taps, where the design of the tap prevents or inhibits the insertion of the swab into the tap

Investigation of failures – did a sample fail due to the sampling point e.g. a contaminated or poorly maintained tap or the water in distribution? A swab sample taken before disinfecting the tap may be used to investigate whether the tap or water is contaminated with bacteria, compared with a swab sample taken after the tap has been correctly disinfected.

Swab samples taken from taps that have been disinfected can be used to demonstrate the efficacy of the disinfection procedure

## The range of microbiological analysis that Envirotrade are able to offer on swabs includes:

Legionella – Listeria – Salmonella - Total coliforms - E coli – Clostridium – Pseudomonas – Staphylococci - Yeasts and Molds

Envirotrade is able to assist clients in the extraction and analysis of microbiological samples and biological swabs from surfaces, machinery, hands, clothing and also Legionella.

It also conducts analyzes in accredited laboratories that are ISO 17025 certified

We can also recommend appropriate disinfectants to use to clean and disinfect places from bacteria and fungi , We do it efficiently and effectively



## Calibration

ENVIROTRADE Company is an industry leader providing Calibration, validation, compliance and technical services to the pharmaceutical, biotechnology, medical device, Petroleum and related industries. Our clients' business needs and issues are our primary focus. Client speed to market, aggressive deadlines, and a challenging and changing regulatory environment are factors that experienced ENVIROTRADE personnel can assist your organization with in meeting and realizing its competitive advantage.

Calibration (Metrology Laboratory):

ENVIROTRADE Metrology Laboratory provides a rapid, cost-effective calibration services with documentation of "As Found" & "As Left" data (unless otherwise requested).

Advantages of our Metrology Laboratory services include:

- Fast Turnaround.
- Rush Service: 1, 2, or 3-day Rush Service by Request.
- Monthly Notification of Calibrations Due.
- Detailed Documentation for Each Calibration.

Customized Calibrations at Customer Request





# CEO



We have established Envirotrade for Environmental and Technical Support with the aim of providing support to the business community, in the field of environmental consultancy where we provide a set of main services: environmental studies and measurements, energy conservation studies, calibration services, waste management, research and development in order to develop appropriate environmental solutions in terms of the highest efficiency and lowest cost, as well as specialized environmental training, preparing and qualifying various bodies to obtain international quality certificates related to environmental protection or occupational safety and health, and securing the work environment.

Where we study, monitor and analyze all of the above to meet the requirements of the Environmental Law No. 4 of 94 and its amendments and its executive regulations and amendments, as well as Labor Law No. 12 of 2003 as well as the requirements of international quality specifications. We also conduct environmental impact assessment studies for new projects and prepare a plan to reconcile the environmental conditions of existing projects and establish Modernization of environmental records, management of industrial waste, specialized environmental training.

EnviroTrade obtained accreditation from the Egyptian Ministry of Environment in 2017 as a house of expertise in environmental work. We also cooperated with major international companies and achieved unprecedented successes with all business partners we had the honor to work with.

As we present this to you, with our desire, experience and a dynamic team, we put all our capabilities to preserve the environment and achieve environmental sustainability to serve our customers, business partners and our beloved country.

CEO  
Chim. Ismail Shaker

*Chim. Ismail Shaker*



# Our Partners





# Approvals







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