





SEPCO was established to play a pivotal role in the development process and raise the level of environmental quality to keep pace with economic developments.

SEPCO is distinguished for its entrepreneurship and contribution to the renaissance of the country and the strengthening of its economy, through the expansion of activities and investment in the field of environmental protection.

Our human capital exceeds

**+2800**  
employees

To contain the negative effects that the growing industrial economic movement could produce, there was an urgent need to establish specialized institutions and companies that support this tremendous development to continue this renaissance while preserving the environment.

To support national development and preserve its capabilities, SEPCO has turned to the environment for 20 years.

SEPCO has been devoted to its lofty mission in preserving the environment and has worked with all its energy by investing its expertise in owning and developing technologies in line with the characteristics of those environmental impacts, as well as improving and developing appropriate and strategic systems in line with its vision to serve the nation's diversification needs in a manner that serves the nation believing in its responsibility towards the country.

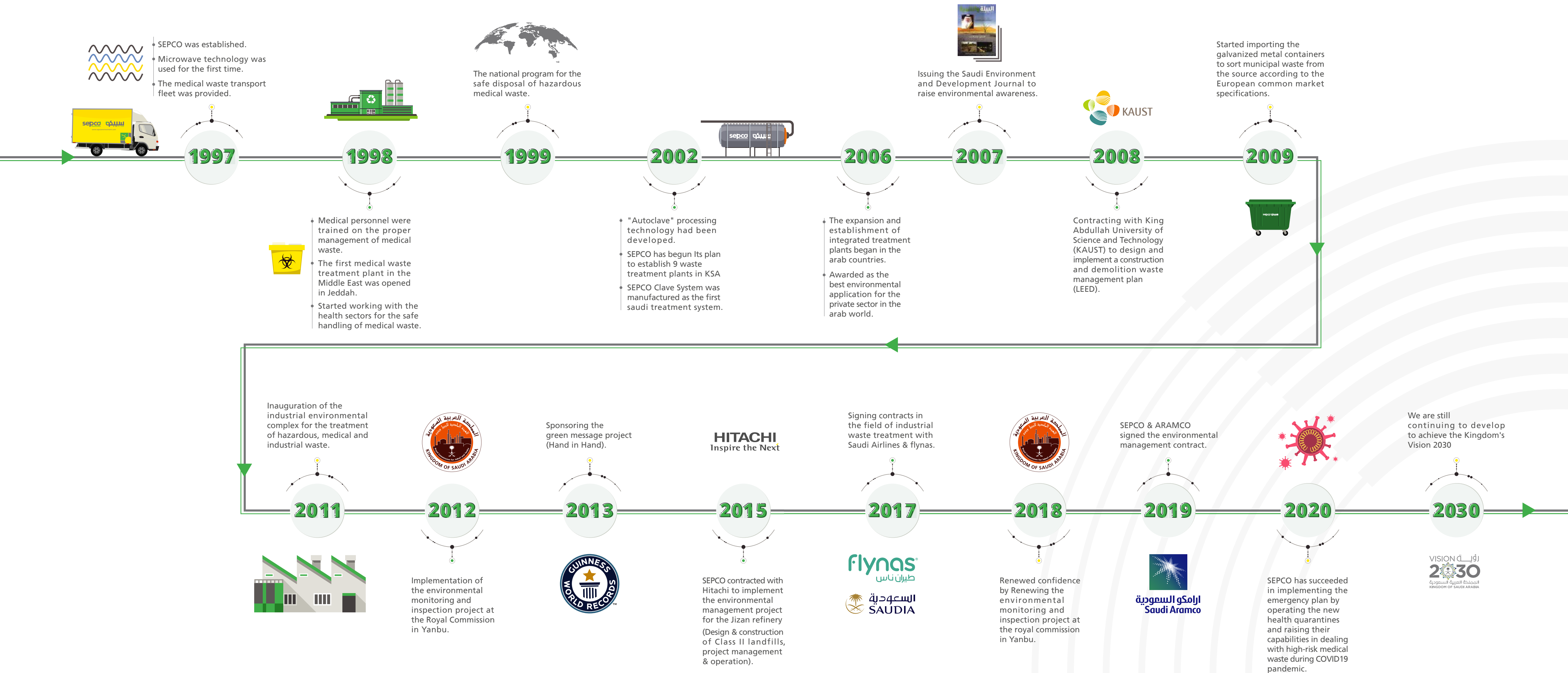
More than  
**8000**  
clients

SEPCO has achieved continuous successes spanning for more than

**20**

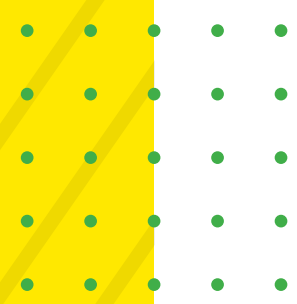
years in implementing projects and providing environmental solutions.

# OUR HISTORY

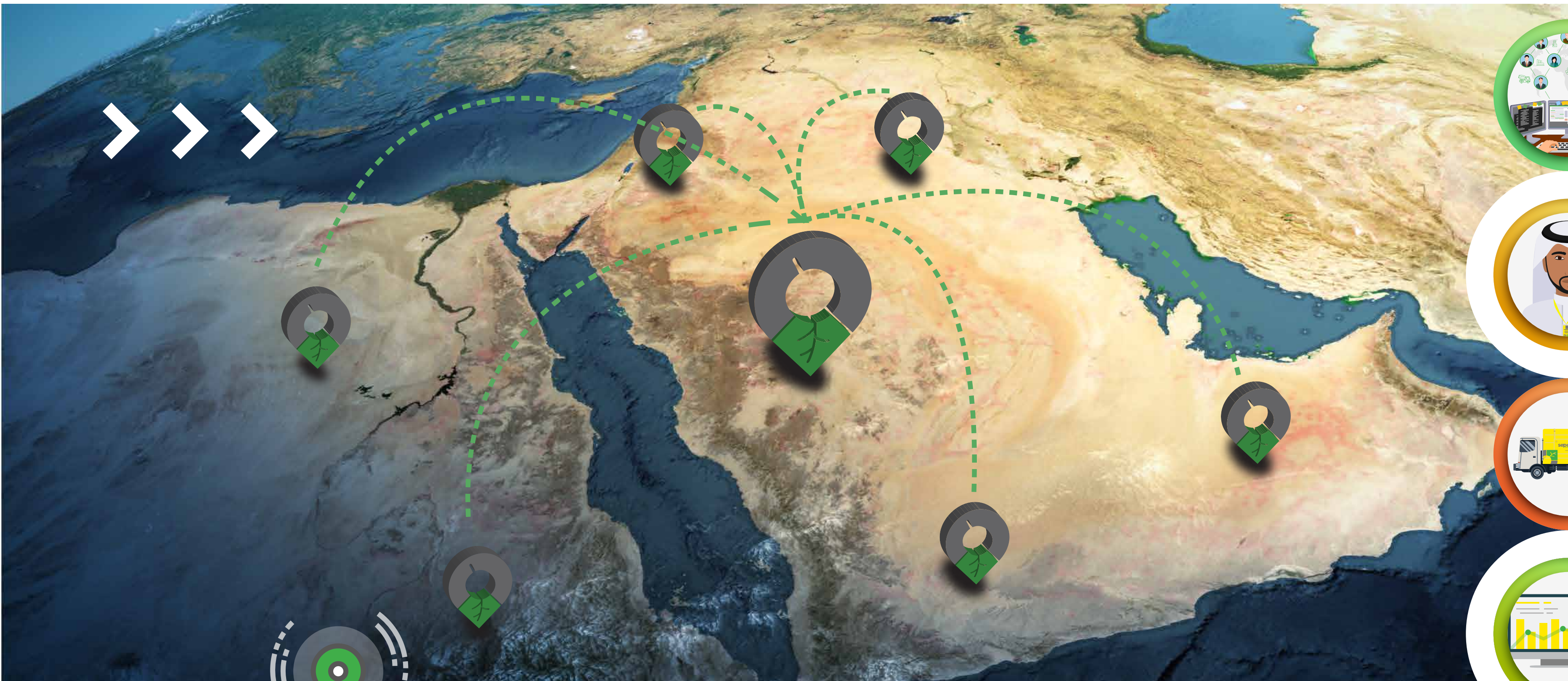




# OUR BRANCHES



## Operational Capabilities



+8000 Clients



+2800 Employees



+300 Vehicles



8 Services



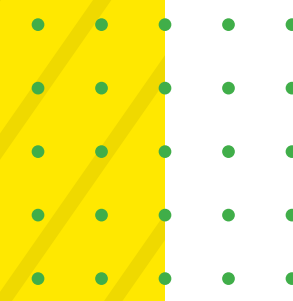
## Existence Stations

Riyadh | Madinah | Dammam | Khamis Mushait | Tabuk | Sudair | Al-Jouf

Al-Juhfa environmental complex



# OUR CAPABILITIES



Various landfills



Various incineration technologies



Plastic supplies factory



Screening techniques



Oily wastewater treatment process



Processing Techniques  
(Autoclave)



Fleet capabilities





# 14

Million tons of waste generated in the Kingdom annually!

- Million tons of Saudi factories generated waste annually!
- One teaspoon of liquid waste is enough to pollute 30 thousand liters of groundwater!

(This is limited information that shows the magnitude of the huge challenge facing the Kingdom)

## MEDICAL WASTE MANAGEMENT

The company owns several plants for the treatment of



Chemical



Pharmaceutical



Medical

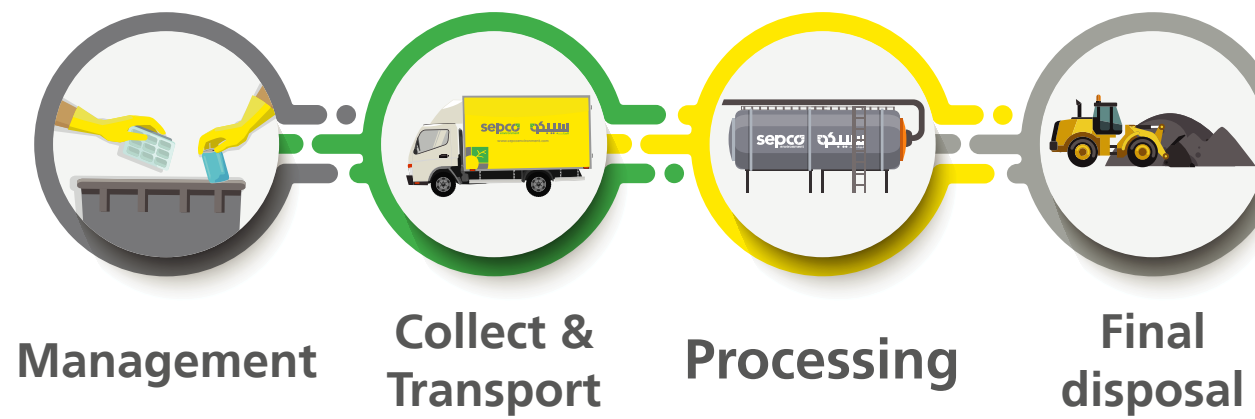
wastes distributed in several regions in the Kingdom.

SEPCO has added collection centers to some hospitals and health centers with the aim of proper storage and then transportation of medical, chemical and pharmaceutical waste.

SEPCO has added in some of its stations incineration and thermal oxidation technologies dedicated to chemical and pharmaceutical waste.

Giving it precedence as the first national company specialized in the field of environmental protection, that cover most of the Kingdom's regions.

Designing integrated environmental management programs for health facilities is one of the most important activities of SEPCO.



SEPCO Environment continued its development and its superiority in the application of medical waste treatment, transferring this success to its application in some countries of the Arab world by establishing integrated treatment plants in Tunisia and Sudan as a step that strengthened leadership and became a pioneer in becoming a national pioneer.

SEPCO has succeeded in developing one of the most important devices for treating and sterilizing medical waste (Autoclave) with specifications compliant with international standards, calling its new product locally **(SEPCO clave)** and internationally **(Saudi Clave)** processing larger quantities with higher operational efficiency.



The company owns an integrated factory for plastic consumables with international specifications that comply with the requirements and standards concerned with preserving the environment and its capabilities.

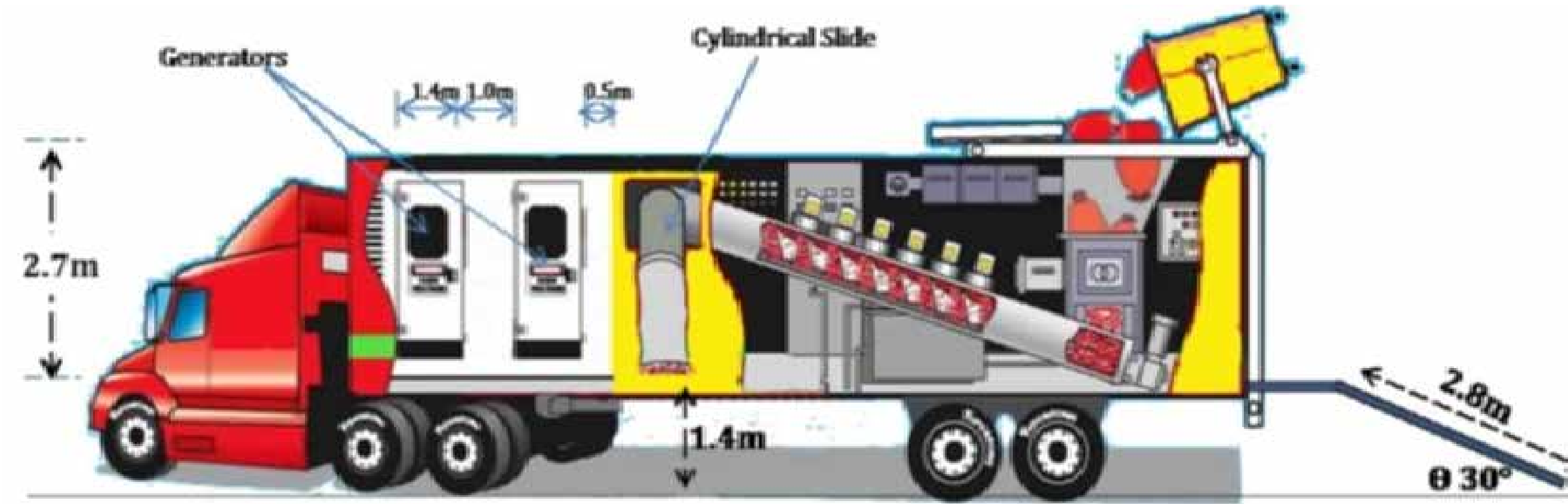
## Our clients:





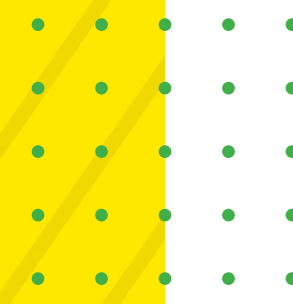
# MOBILE PROCESSING UNIT

Designing, implementing and equipping a mobile sterilization unit with a microwave technology that helps any emergency case.





# OUR CONTRIBUTIONS



## SEPCO contribution with the Ministry of Health in combating epidemic diseases.

- ✘ Swine flu program.
- ✘ Corona pandemic control program.
- ✘ Avian influenza control program.
- ✘ Establishment of emergency rooms operating 24/24 hours in the Southern Border Hospitals for our brave soldiers.
- ✘ Supporting environmental activities and campaigns.
- ✘ Implementation of awareness programs for government agencies.



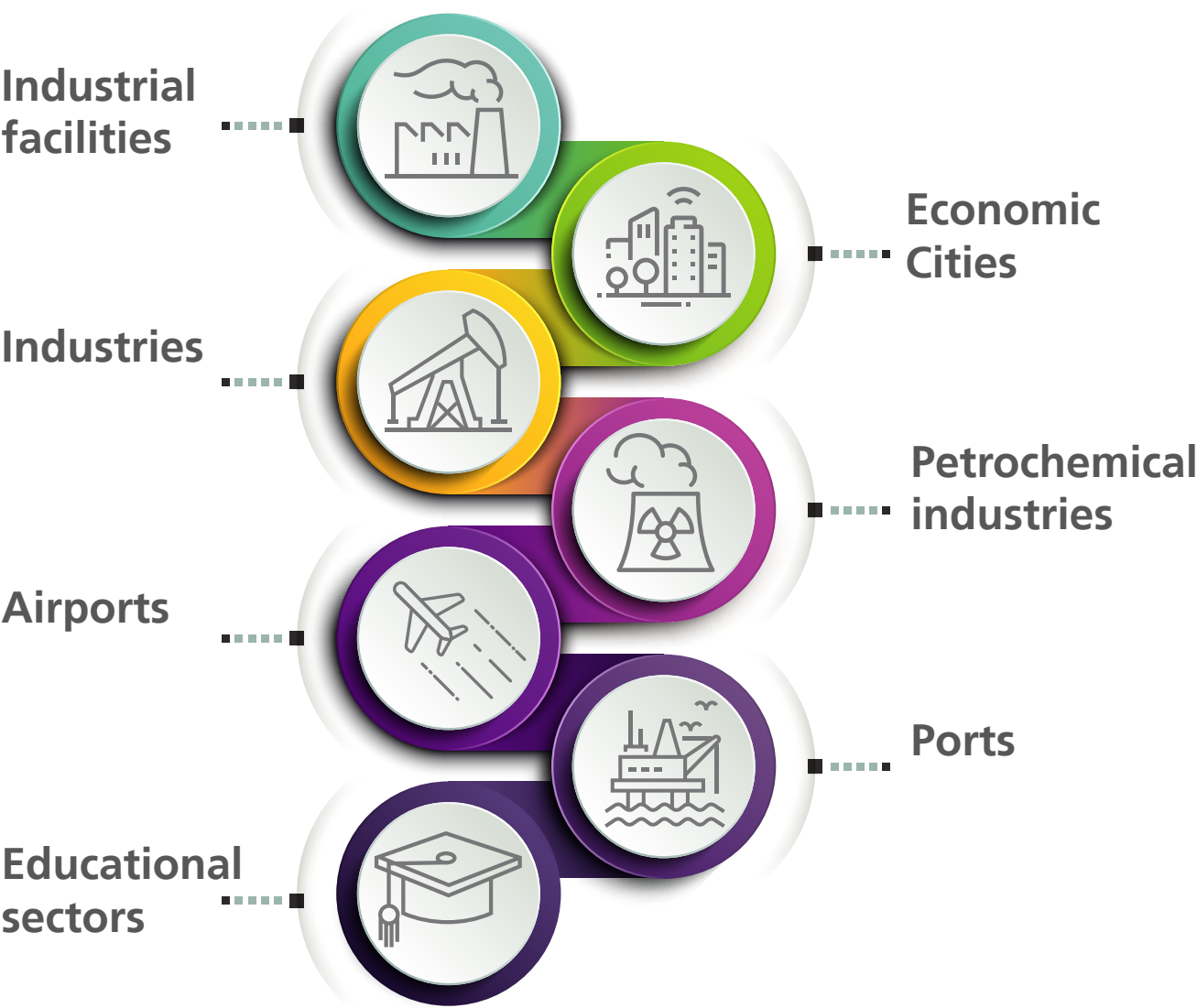


## In 2011

SEPCO launched an industrial environmental treatment complex in Al-Juhfa - Rabigh governorate to treat hazardous waste resulting from industrial facilities.



SEPCO provides environmental services and solutions for facilities that seek to implement sustainable development in their industrial activities. It also provides services for developing and implementing integrated environmental management programs for all industrial waste producing facilities:



# INDUSTRIAL & HAZARDOUS WASTE MANAGEMENT

Various industrial and transformational activities in the Kingdom generate more than 900,000 tons of industrial waste annually, and this waste is divided into hazardous and non-hazardous waste.



# OUR FLEET

SEPCO owns a fleet of more than 300 vehicles equipped with advanced modern technologies in the field of hazardous and non-hazardous waste.



This fleet is managed by an integrated team that has been trained to apply all standards of quality, health and occupational safety to maintain a safe environment.

## +14,500

Visits per week



SEPCO has applied a transportation information system to organize and link the data and information of shipments to be electronically received and documented, and link them directly to the M4 system.

The tankers travel more than 45,000 km per day.

SEPCO manages its operations through a central control room that operates around the clock via (GPS) that monitors the fleet, follows up on service quality, ensures the safety of shipments during transport and rapid intervention in case of emergency.





# EMERGENCY TEAM

## Sulfonic acid infusion treatment



## Chlorine gas leakage treatment





# CONSTRUCTION & DEMOLITION WASTE MANAGEMENT



SEPCO also completed the construction waste management project for King Abdullah Petroleum Studies and Research Center. The project achieved the platinum rating in leadership in energy and environmental designs by exceeding 85% of waste recycling.

SEPCO has succeeded in designing and implementing several construction and demolition waste management plans, and recycling 85% of the waste in record time on the basis of which our projects were awarded the LEED Certificate.

(Classification requires more than 75% recycling rate)

SEPCO has succeeded in implementing many projects, managing construction and demolition waste for Saudi Aramco, and absorbing large quantities.



SEPCO provides construction and demolition waste management services for projects, sorting and recycling, and this service aims to avoid and reduce environmental pollution and the risks it poses, reduce the irregular disposal of construction and demolition waste, and benefit from and recycle building materials.

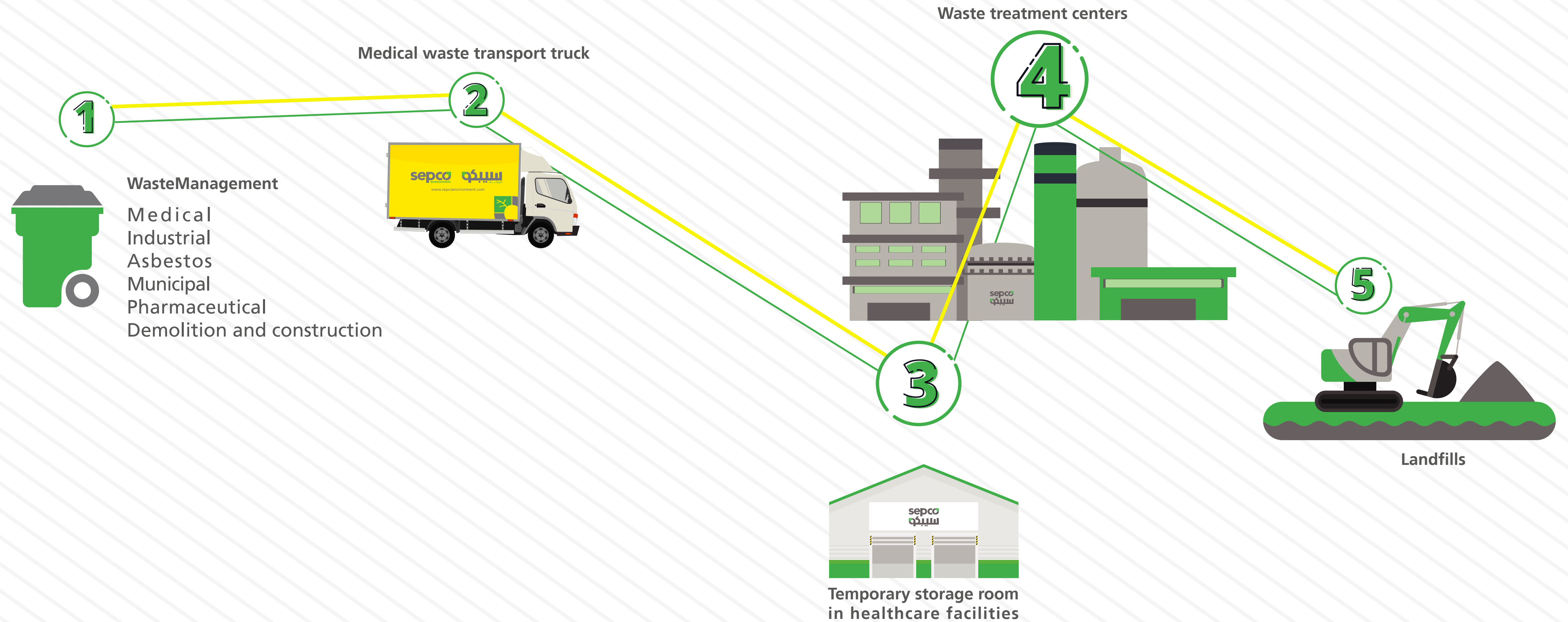
Preserving natural resources in order to achieve the best standards of leadership in energy and environment and activating initiatives to reduce carbon emissions in accordance with the standards of the LEED system.

**50%** of solid waste globally is generated from demolition processes.



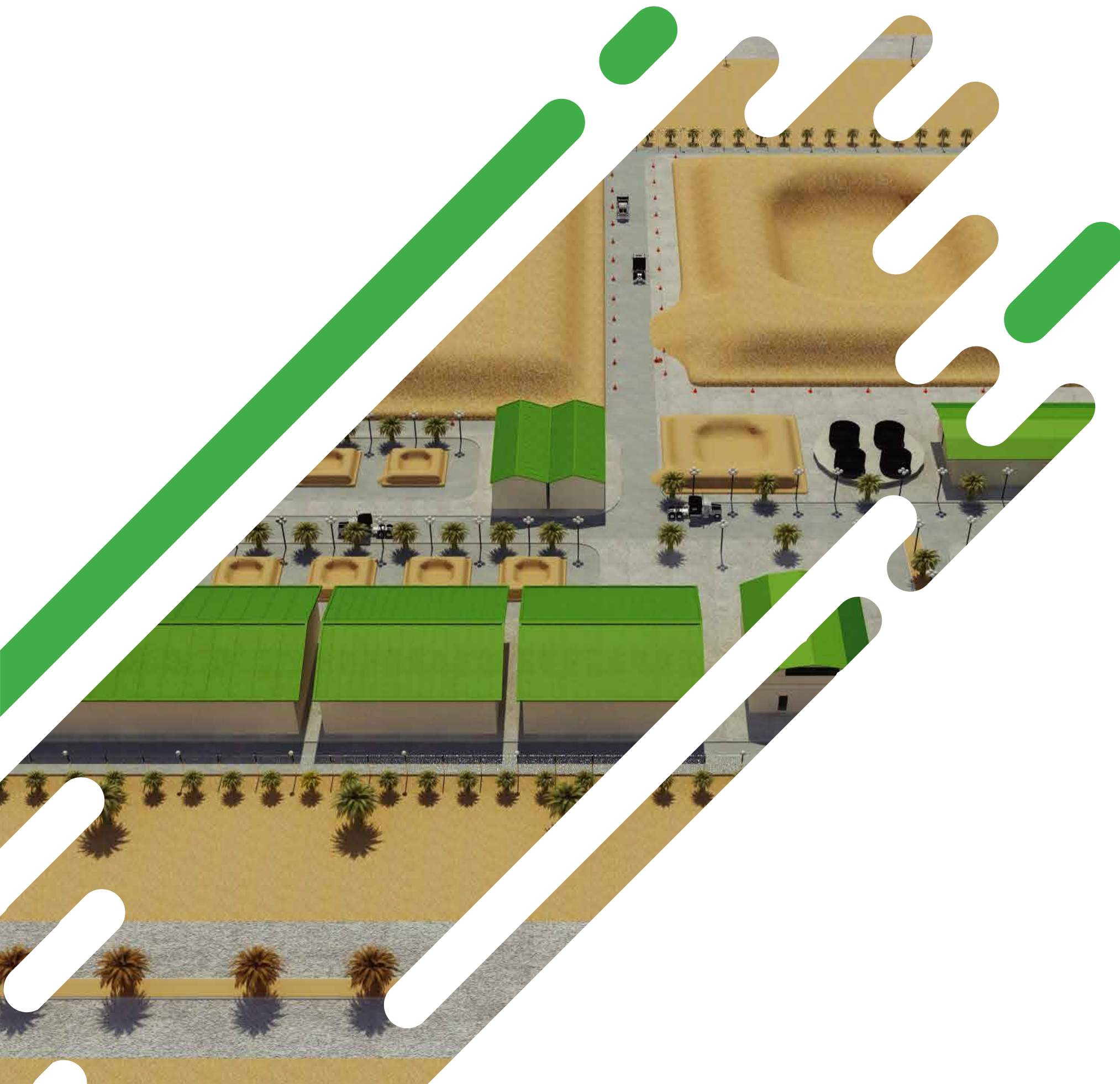


# WASTE MANAGEMENT STAGES





# INDUSTRIAL ENVIRONMENTAL COMPLEX

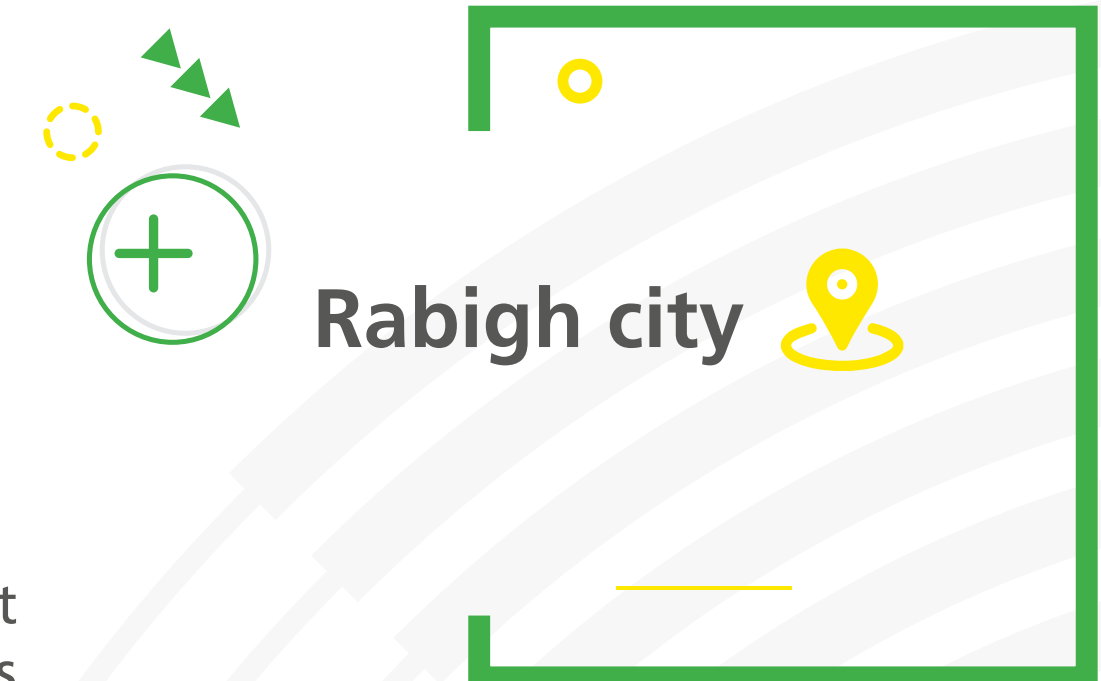


- Warehouse
- Sludge Pit

- Environmental laboratory
- Physico-chemical treatment system

- Management
- Class I Landfill
- Class II Landfill
- Processing units

- Thermal oxidation unit
- Evaporation ponds
- Oil separation system
- solidification unite





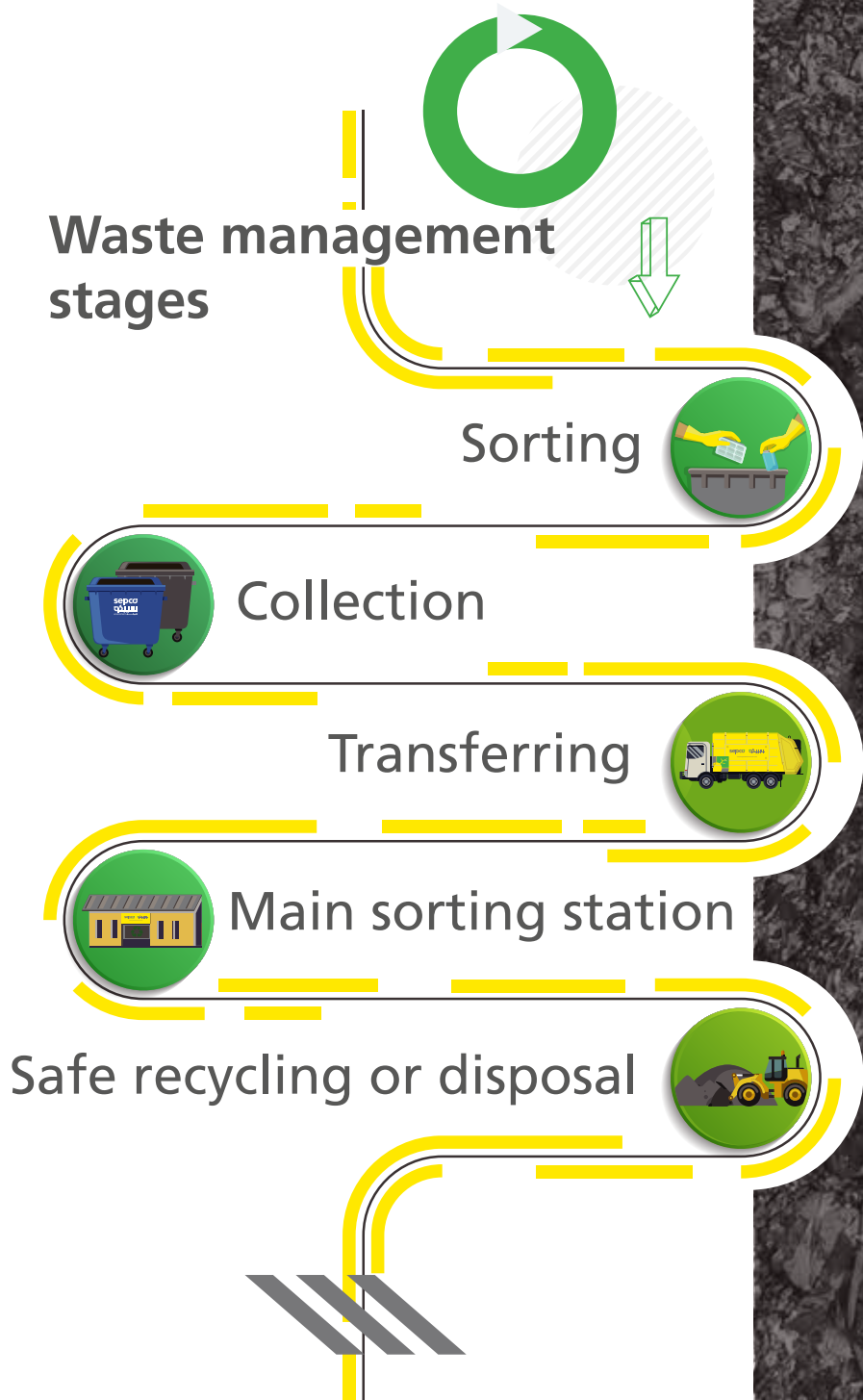
SEPCO provides its customers with solutions to manage municipal waste to reduce its impact as well as sorting and recycling it. This waste is one of the biggest challenges facing the future of future generations, which requires great efforts to manage it in a sustainable manner in conformity with international standards.

SEPCO has implemented many contracts and projects for managing municipal waste and providing services and solutions, such as Aramco project for integrated municipal waste management for the Aramco Jizan Refinery.



The kingdom produces large quantities of municipal solid waste annually, half of which is organic and food residues. This waste represents a great economic opportunity, only a limited part of which does not exceed 15% of it is exploited, while the size of the global market is expected to exceed 1 trillion SAR of solid waste treatment.

### Our clients:

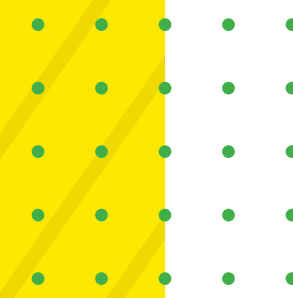


# INTEGRATED MUNICIPAL WASTE MANAGEMENT

15 million tons of municipal solid waste annually in the Kingdom, an economic opportunity worth 35 billion riyals.



# LANDFILLS



## Construction, lining and management

SEPCO has an experience in establishing, lining and managing engineered landfills in all its categories and providing solutions for their maintenance and operation, taking into consideration local and international standards and requirements.



Studying



Analysis



Design



Construction



Employment



Integrated  
management



SEPCO designs and constructs evaporation ponds to treat industrial waste water, taking into consideration:

- ❑ Waste water properties
- ❑ Methods of creation & operation
- ❑ The nature of ground water
- ❑ Soil properties & components
- ❑ Study of topography & hydrology of the region
- ❑ Temperature, prevailing winds & solar brightness
- ❑ The appropriate pond shape & optimal operating method
- ❑ The possibility of recycling the waste after it has been treated



The role of SEPCO has emerged in this field in implementing strategic projects for the most important sectors, such as:

(Hitachi, Saudi Aramco, Saudi Electricity Company) by constructing and lining many cells with different capacities for solid organic waste and construction and demolition waste and implementing many cells to support its environmental projects for the safe disposal of hazardous waste in the industrial complex and in Al-Hufa in Rabigh and Madina.





# MAINTENANCE & OPERATION

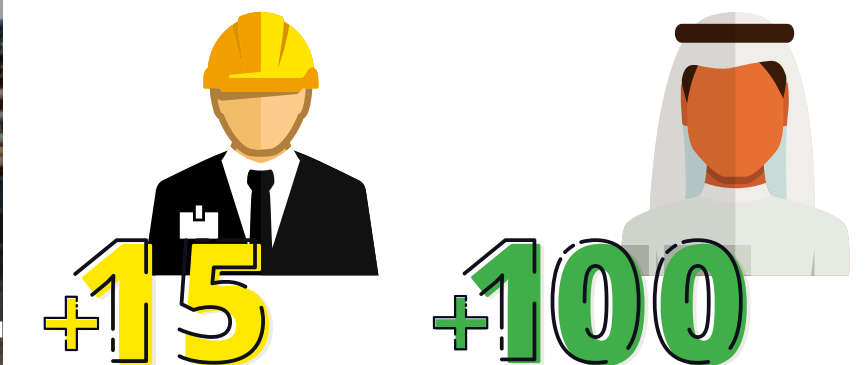
The strength of SEPCO stands out in its ability to manage environmental projects and provide specialized human cadres capable of accomplishing the client's requirements according to well-thought-out operational plans and scheduling work to achieve added value for clients to consolidate the contractual relationship, making use of all possibilities and technical and operational capabilities.



# CONSTRUCTION PROJECTS



SEPCO manages engineering projects as we have the technical expertise and human cadres capable of carrying out work such as constructing treatment stations, landfills and buildings, where the company owns many different light and heavy equipments and human cadres, more than (100) specialized engineers and more than 100 engineers in this field.



SEPCO Environment has succeeded in implementing many projects in accordance with the approved standards and criteria.



# MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL COMPLIANCE



SEPCO performs many tasks related to monitoring projects and ensures the implementation of the environmental commitment of many sectors & authorities through the implementation of many programs according to the requirements of the client.

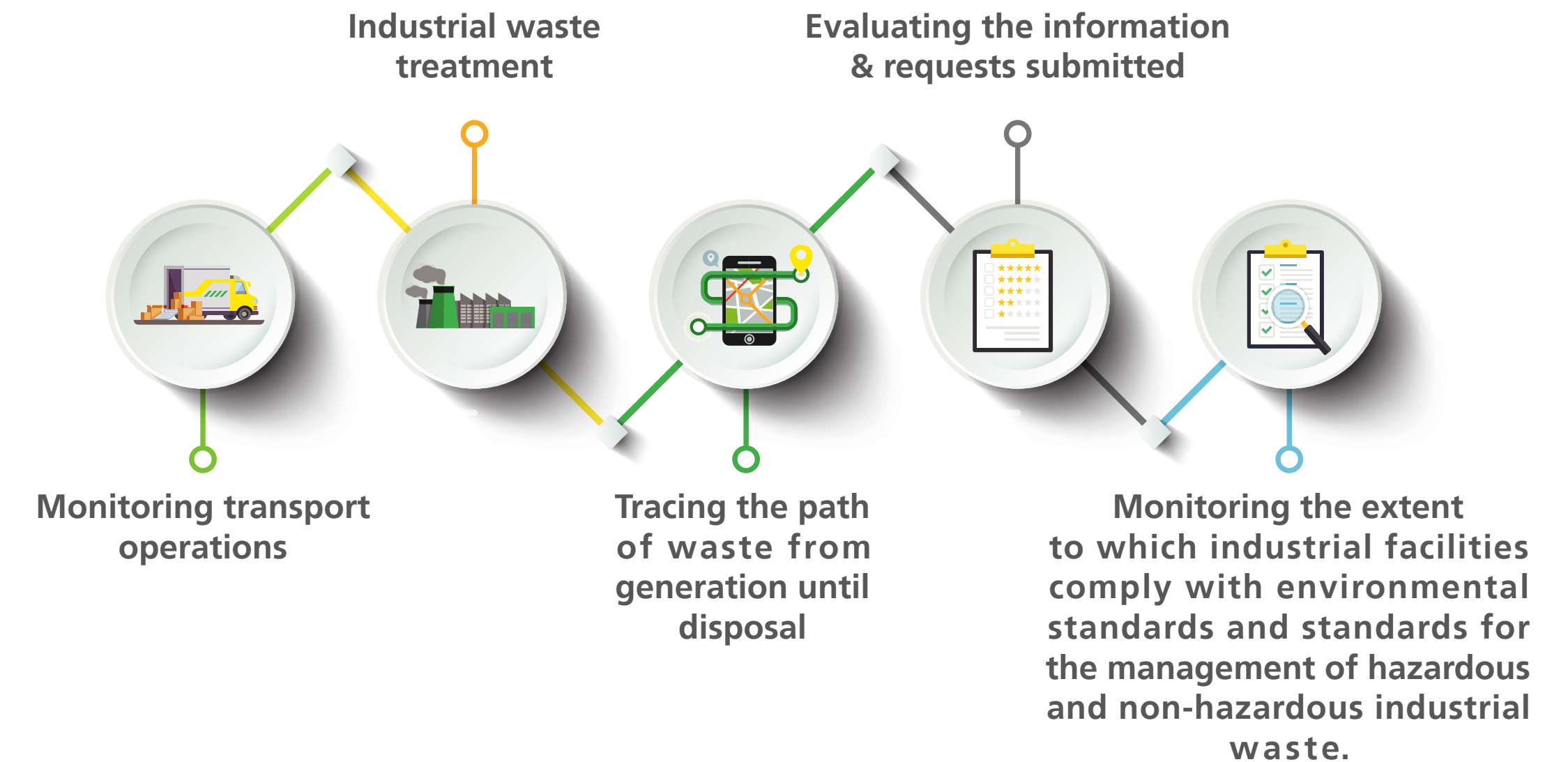
Reviewing and evaluating the environmental commitment submitted by existing or new facilities before issuing the required environmental permits. Determining and imposing environmental fines against all violating facilities.

Inspection tours to ensure environmental compliance and application of environmental standards.

The role of SEPCO in this field has emerged through the monitoring environmental compliance project of the Royal Commission in Yanbu.

SEPCO is a strategic partner in the environmental achievements made by the authority.

SEPCO performs the following:



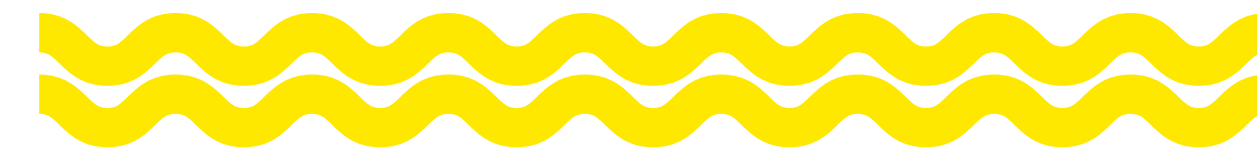


# ENVIRONMENTAL STUDIES & CONSULTATIONS

SEPCO is one of the first approved accredited companies in the field of preparing environmental impact assessment studies for various projects and activities. The company also provides organized and integrated work plans through preparing studies that qualify establishments to obtain approvals from all relevant environmental regulations and licenses according to the regulations and licenses stipulated therein.



## Fixed & mobile environmental laboratories



SEPCO provides a service of water and air quality monitoring around the clock, and the operation and maintenance of fixed and mobile stations equipped with the latest environmental devices.



These stations measure the main gaseous pollutants, collect and analyze samples of industrial wastewater, sea water, cooling water, drinking water, and irrigation water in order to ensure that these results comply with environmental standards and standards. Many physical and chemical elements are measured for different types of samples.

Analyzes are also carried out on drinking water from the source and at the distribution points, and monitoring of industrial wastewater before and after the treatment process.



# ASBESTOS MANAGEMENT & WATER TREATMENT SOLUTIONS

SEPCO provides integrated environmental solutions in the field of management and treatment of industrial wastewater, and water polluted by oils and chemicals, including:

Design, construction, operation and maintenance of water treatment systems, and industrial sludge through central treatment at SEPCO Complex in Rabigh, through the application of the main "physical, chemical and biological" treatment methods, including:

Separation and removal of suspended substances, oils and free organic substances, physical and chemical sedimentation, flotation, aggregation, neutralization, filtration, grouting, physicochemical treatment and ultra-filtration.



In SEPCO, we run a modern and advanced department for the treatment of industrial wastewater, which includes qualified cadres with a high level of knowledge and experience.

We pay special attention to diversifying our solutions to meet the needs of customers and provide systems with different capacities ranging from 5 cubic meters to 1000 cubic meters per day and can be applied in larger capacities as needed with a special design according to the required specifications.



100,000 people worldwide die each year from asbestos-related diseases.

The Kingdom is one of only two Arab countries to ban the use of asbestos as a national committee has been formed to get rid of asbestos in old buildings.

SEPCO is one of the few qualified companies that are distinguished by their experience in dealing with materials containing highly dangerous asbestos and safe disposal methods of this substance in accordance with the stipulated standards.

SEPCO has many programs that aim to control these wastes according to the best environmental standards.



## CERTIFICATES & AWARDS

Commitment to quality and keenness on leadership are values at the core of our methodology, and this is reflected in the many awards that SEPCO has won for the environment at the level of the Kingdom and the Middle East, for being the first Saudi environmental company to obtain three international quality certificates.

Awards that SEPCO Environment is proud of:

**Best Company Award in the Middle East**

In the achievement of support and backstop services for health facilities.

**The Golden Medal Award in the Arab Region**

In the field of quality and economic excellence.

**Excellence and Loyalty Award in the Arab Region**

In the field of social responsibility.

**Kingdom of Saudi Arabia Award**

as the best environmental application for the private sector in the Arab world (awarded by the League of Arab States)



# 3

international  
**CERTIFICATES**  
of quality

SEPCO Environment is the first environmental company in the Middle East to obtain international recognition and obtain three international quality certificates.



ISO 9001  
ISO 14001  
OHSAS 18001

**BUREAU VERITAS**  
Certification







