



The logo for SEPCO's 20th anniversary. It features a large green number '2' and a grey number '0' that is stylized as a circular arrow pointing clockwise. Below the '2' is the word 'years' in green. To the right of the logo is a block of text in a dark grey font.

Over the years, SEPCO (Saudi Gulf Environmental Protection Company) has been devoted to its environmental mission. It developed and mastered its knowledge, capabilities and rules. SEPCO also started to expand its presence and services in the Kingdom and abroad, thereby, efficiently establishing the country's vision of a sustainable environment, taking an active role and become a leader.

sepcco
سليكو
للبيئة
environment

A Renaissance and a Path

When the Kingdom of Saudi Arabia experienced its renaissance in service and industry along with the demographic growth, it witnessed the emergence of a problem with waste. It was therefore urgent to establish an environmental company capable to solve this problem and raise awareness. This is where we began our journey.

Over the years, we have been devoted to our environmental mission. We developed and mastered our knowledge, capabilities and rules. We also started to expand our presence and services in the Kingdom and abroad, thereby efficiently establishing the country's vision of a sustainable environment.

The words awareness and solution may sound simple, but for us, they mean more. These words involve sustainable living with modern means, the need to be familiar with all sources of waste and control the same. It also means to organise a comprehensive nationwide program on a national level and in the private and public institutions to first raise awareness of the risks and to solve the problem.

Treatment is not as easy as some may think, as it involves general awareness, reaching an integral system for proper disposal of medical, industrial and municipal waste, remains of slaughterhouses and demolition and construction waste, along with pharmaceutical and chemical waste and waste disposal management.

We exist for these two main national goals. Our scope covers all the cities in the Kingdom and some Arab countries. We, at "SEPCO Environment", launched the

"Saudi Clave" as a special mechanism and won a patent, quality certificates and many awards recognizing our achievements.

After twenty years, we are proud of our achievements and look forward to being a key contributor to environmental protection from the dangers of modern life, full of chemicals and toxic waste which is harmful to the environment.

Our organisation consists of 2600 employees who assist 8000 clients. We consider ourselves the leading environmental company in the Kingdom, the Gulf states and North Africa. We won a number of national and international recognition awards and appreciation certificates.

Our team has endeavored to develop our activities to encompass all that relates to providing the best and safest environmental solutions. We built stations to treat medical waste and contributed to the creation of treatment stations for industrial waste, wastewater, industrial residues and water purification. We have, thank God, the largest, most modern and safest transportation fleet for toxic waste in the Kingdom's cities. We also offer services for processing waste landfills to protect underground water.



Our organisation consists of
2600
employees

We assist more than
8000
Clients



Engineer Adel Salem Badeeb
Chairman of the Board of Directors



Our tasks involve managing medical waste (collecting, transporting, treating and safe disposal). We also built the first plant to manage and treat medical waste in Hajj seasons for 12 consecutive years and we developed our own treating systems, thereby winning local and international recognition for our system under the name Saudi Clave 🌟🌟



We built an integrated plant for plastics and special containers for all medical waste with world class specifications. 🌟🌟



We established a treating compound for large capacity of industrial waste in Rabigh. We succeeded in recycling construction waste and we had an exemplary pioneering collaboration with King Abdullah University for Science and Technology (KAUST) and with Aramco in the Industrial City of Jazan 🌟



We moved into the field of treating industrial and sanitary wastewater. We succeeded with the collaboration of sister companies and in introducing and operating a sorting line in recycling municipal waste, solid waste, slaughterhouse waste and in our environmental research. 🌟🌟



We, in SEPCO Environment, have a noble mission to implement national programs to raise social awareness in order to protect the environment and public health by qualifying and engaging citizens. 🌟

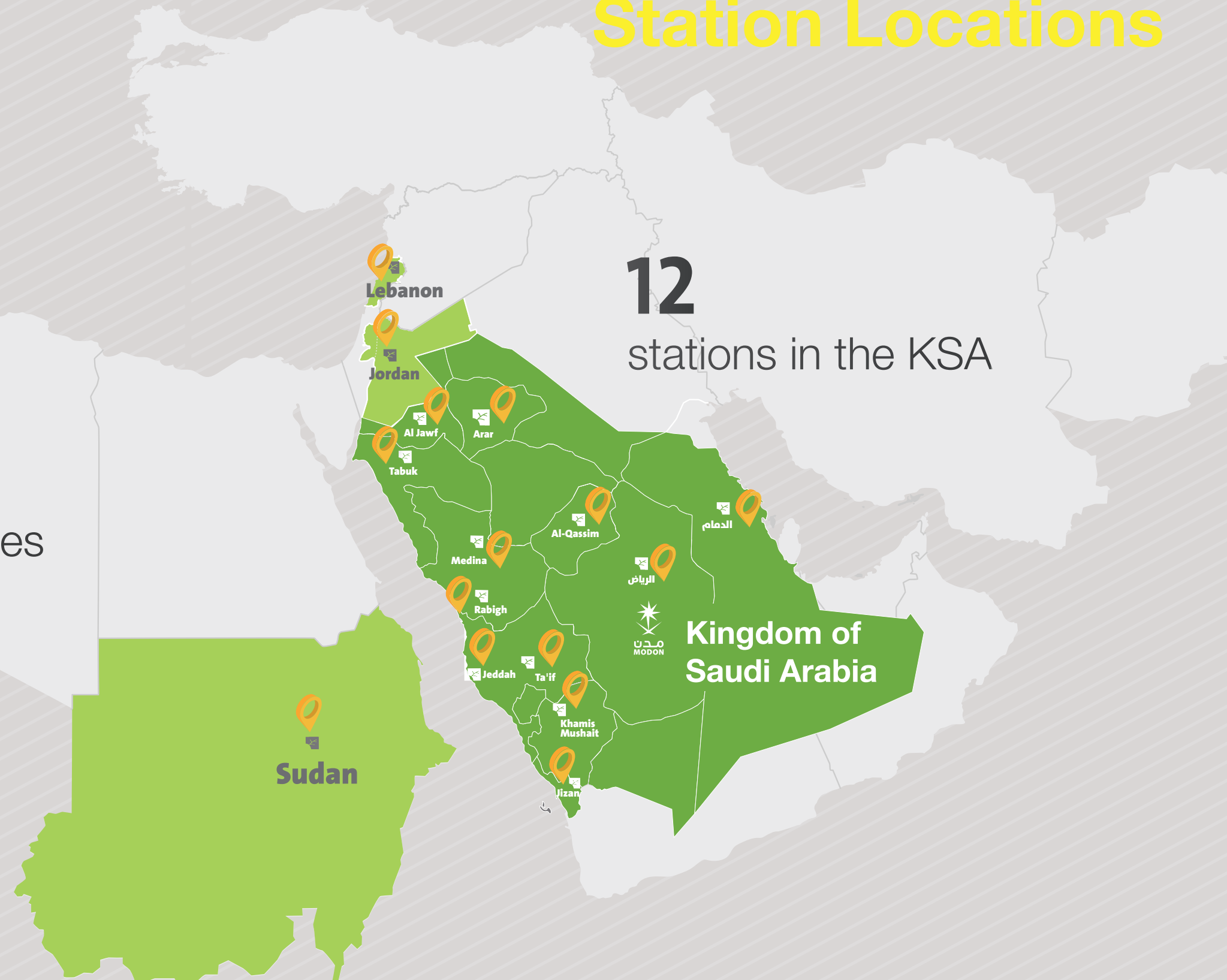
We own a large fleet of safe and modern tankers, spread in 12 stations in the KSA and 4 stations in Arab countries

Station Locations

4
stations in Arab countries

12
stations in the KSA

Our stations use modern technology which search for the source of the pollution and disposes of it and are environmentally friendly.





We are the leading environmental company in the Middle East.

3

International Quality Certificates

Achievements and Awards

We created a research and development section which proved to be globally reliable and earned many patents. We are the leading company in environmental protection and have won three international quality certificates and many awards in the Middle East.

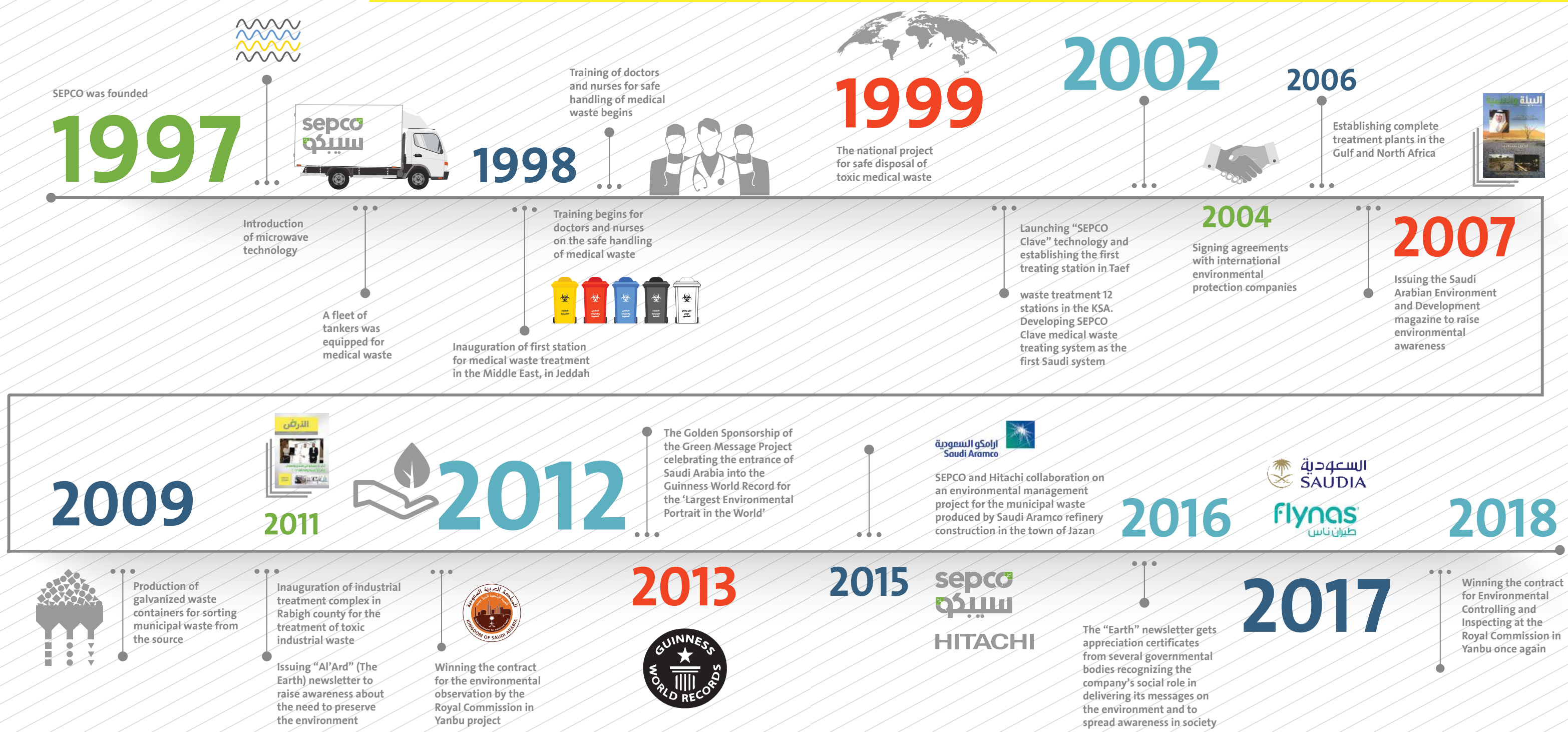
Quality Certifications
SEPCO Environment is the first environmental company to obtain international recognition and receive three world class quality certificates in the Middle East



- ISO 9001 for Quality Management System
- ISO 14001 for Environmental Management Systems
- ISO 18001 for Occupational Health and Safety

Award/Certificate	Description
	Received from the Government of the Custodian of the Two Holy Mosques in 2005, for applying environmental management on the sector level at the General Authority of Meteorology and Environmental Protection.
	In the area of specialised support services to sanitary facilities in the Middle East.
	In the field of social responsibility at the Arab regional level from the Arab Organisation for Social Responsibility
	In the field of excellence and economic distinction on the Arab regional level from the Minister of economy of the UAE.

“Innovation of treatment systems: “Saudi Clave” was adopted as the first Saudi system locally designed and produced to treat medical waste and was globally recognized in a test carried out with research centers in Saudi Universities.”



Dangerous Waste Management

We offer a complete collection of environmental services in the field of dangerous waste management using the highest international environmental standards, including designing and implementing programs for the management of dangerous medical waste, chemical and pharmaceutical waste, dangerous industrial waste, slaughterhouse residues, asbestos remains; designing, installing, insulating and operating waste landfills; disposal facilities for all kinds of environmental projects; designing, providing, installing and operating treatment technologies for dangerous waste.



01 Medical Waste

Medical waste is the residue from medical activities. Healthcare facilities generate broad range biohazardous waste such as used needles and syringes, body parts, diagnostic samples, blood, medical devices contaminated by blood, body fluids or other infectious materials.

Sepco cooperated with the Saudi Ministry of Health to develop guidelines for "the safe treatment of medical wastes in the Kingdom of Saudi Arabia". These guidelines were based on those of the World Health Organization. Also, cooperated with research centers in Saudi universities to form a special model using Autoclave techniques. Then, locally manufactured and launched a Sepco Clave, which is currently patented for SEPCO. The machine and technology have been acknowledged, certified and approved by the Saudi Arabian Authorities (PME).

Sepco Clave is a biological sterilization pressure vessel manufactured locally in Saudi Arabia, that is used to treat Biological waste, which results in reduced emissions and safer performance.

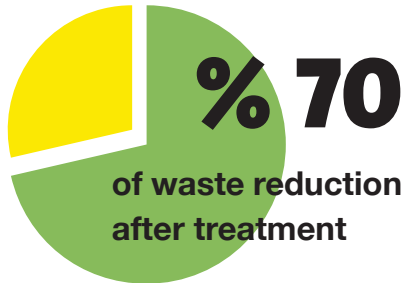
SEPCO provides a complete system that manages medical wastes of all kinds using the latest techniques to guarantee the highest standard. To do that, SEPCO uses a stage-based mechanism, starting with sorting within the facility, collection of waste, transfer of wastes to treatment locations, treatment of waste and then ending with disposal after removing all risks.

02 Pharmaceutical Waste

Pharmaceutical wastes include human and animal medicines, spilled and polluted therapeutic chemicals, and retrieved wastes.

SEPCO provides services that include collection of pharmaceutical wastes from customer sites, transfer of wastes to treatment locations, treatment of waste by burning in incinerators and then ending with disposal of residue ash in landfill in accordance to local and universal standards.

Some of our key clients are : MOH (Medical Supply Warehouses), Ministry of Defense, Medicines agents and manufactures (Tamer, AlNaghi, Cigala, Nahdi, Sitco).



03 Industrial Waste

Industrial waste is either a solid, liquid or gaseous material. This waste has noxious properties. Due to their dangerous chemical, physical or biological properties and their negative effects on public health, safety and environment, they have to be disposed of in a specific way and according to national laws and regulations.

Notable Achievements

- Establishing an industrial waste recycling complex in Rabigh town, including a thermal treatment unit, operating daily on high-level. The complex has various dumping facilities for evaporating and drying.
- Providing services to the Saudi Arab Airlines in the Kingdom's airports and to clients such as Samsung,

Raytheon Middle East, Saudi Total, the Ministry of Environment Water and Agriculture, Saudi universities, King Abdulaziz City of Science and Technology, King Abdullah Economic City and the Saudi Air Cargo Company.

- Providing service management of dangerous chemicals for laboratories, factories and construction sites.

A comprehensive compound for the treatment of industrial and dangerous wastes

This compound provides a set of outstanding environmental services specialised in treating and recycling industrial waste, carbon ash and extracting minerals and raw material, thereby extracting, treating and refining waste oils to be used as fuel and as raw materials to produce lubricants.

The complex has also cells to dump class I and II toxic waste, evaporating ponds, pits to dump sludge, storing facilities and thermal oxidation units to burn very dangerous waste.



04 Asbestos

Asbestos is considered dangerous to human health.

We, at SEPCO, provide programmed training for our personnel who work in our facilities to deal with this material.

50 countries worldwide prohibit the use of asbestos, including the KSA.

05 Carbon Ash

Treating carbon ash improves air quality and protects the soil and groundwater. It is produced by power stations and water desalination plants. It is a major source of air and soil contamination and may cause fatal cancerous diseases.

Ashes in our stations are purified in special filters before leaving the chimneys.

06 Slaughterhouse Remains

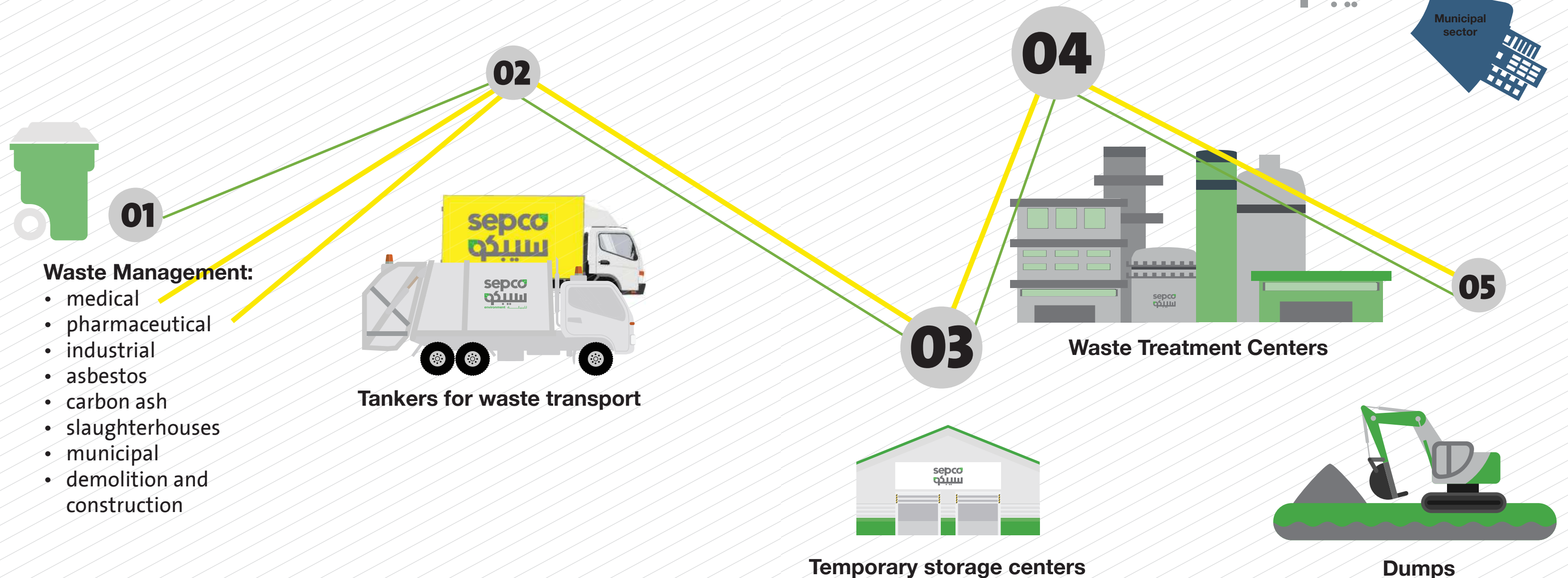
Slaughterhouse remains are very dangerous and harmful to the environment and public health. Remains unintended for human consumption are about 50% of the living animal's weight, but these remains could be recycled into precious industrial materials for multiple useful benefits which are human and environmentally friendly. Our role in SEPCO is to deal with this subject matter on a professional level and according to international environmental standards.



Stages of Waste Disposal

The SEPCO program for comprehensive and sustainable treatment provides a package of services for all kinds of waste:

- management
- sorting
- collecting
- transporting
- treatment & recycling
- safe disposal



Non-toxic Waste Management

Non-toxic waste is not harmful to the public health, but it pollutes the environment and has to be disposed of in a favourable method. It includes, in particular, demolition, construction and municipal waste.



01 Municipal Waste

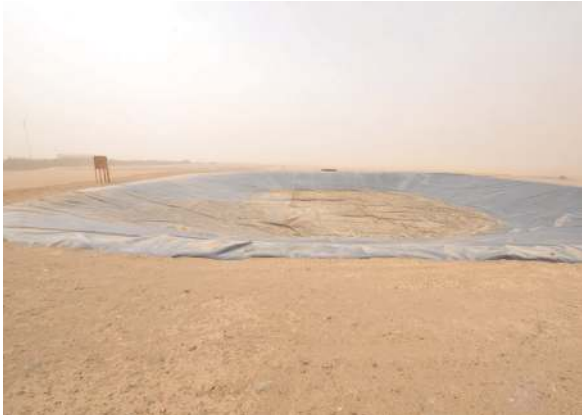
Every year, the Kingdom produces 15 million tons of solid municipal waste, in which half of it is food. This waste is a profitable opportunity worth 37 billion SAR, but an insignificant part is actually used. The world's waste is expected to increase to more than a trillion SAR in 2023. Instead of allowing it to become a severe problem, we can turn this waste into an economic source.

Notable Services:

Insulation Services

- We provide and install insulation and insulation sheets.
- High density polyethylene (HDPE)
- Low density polyethylene (LDPE)
- Bentonite
- Geotextile

The management plan for the treatment of King Abdullah University of Science and Technology has earned the Platinum classification of leadership in power and environmental design by exceeding 85% of recycling waste.



02 Demolition and construction waste

Urban expansions produce tons of waste yearly, usually disposed of in waste dumps. Not treating this waste pollutes the environment.

How do we treat demolition and construction waste?

We try to minimize the environmental impact with our integral system as much as possible. We design demolition and construction mechanisms to reduce waste. We profit from this waste by recycling it and discarding what is left.

03 Establishing and Managing Waste Landfills

We offer waste landfill management services through activities sanctioned by the General Authority of Meteorology and Environmental Protection. This is considered an integral part of our general environment system for safely treating and disposing of waste.

Our services include:

- Managing, controlling and following up on the operation of waste landfills.
- Receiving municipal solid waste, remains of demolition and construction, data recording of quantities and sources and the nature of waste produced.
- Inspection and registration of equipment and machinery, waste weighing for complete data on waste received and its registration into the database.
- Directing particular waste to designated sites in the landfills.
- Controlling scattered waste and dust, limiting wind effect on landfills and handling emergencies, such as fires, floods, earthquakes and volcanoes.
- Controlling gas formation and movement in landfills.
- Maintaining all dumping systems and ensuring proper function.
- Ensuring all records certifying the facilities' adherence to the laws and regulations are in force.

Environmental Studies and Consulting

We provide studies and information to ensure that environmental standards are met and contribute to decreasing cost.

We offer comprehensive environmental consulting solutions, including preparing environmental impact assessment studies, plans for environmental management of industrial and development firms and projects, risk assessment studies, development of initial response plans for environmental emergencies, preparing and implementing environment probe plans, environmental management systems, assisting different development sectors (locally, regionally, and internationally),

implementing mathematical modeling programs regarding the quality of air, water and marine environment and preparing and implementing environmental training and awareness programs.

The central role of such studies is to protect the environment and ascertain the responsibility of the company executing the project. We had the opportunity to work on many projects of various sizes and types and accumulated diverse experience.



Control and Environmental Compliance

It has become necessary to develop environmental performance standards for companies and factories and supervise their adherence.

SEPCO Environment provides oversight, inspection and environmental commitment along with the necessary support to oversee environmental impact and ensure ecological balance in development sites. We supervise toxic waste management at industrial and medical sites.

Ecological Laboratory

Our ecological lab offers environmental supervising programs, ecological assessment, mathematical models for the environmental quality of air, water and marine, supporting studies of environmental impact

assessment and application of environmental health and safety policies, through monitoring and overseeing to control various pollutants and mastering them.

The labs' role consists of encouraging companies to adopt healthy techniques and behaviours that meet the environmental rules approved by authorities, in order to ensure the required quality which should be guaranteed in all environmental activities in order to avoid pollution and dangerous ecological harm.

Our services include tests and measurements of water and wastewater to determine the chemical composition, the concentration of heavy elements, bacterial and chemical levels and analyze the same, quantities and concentration of various organic and inorganic compounds, soil pollutants and determining their characteristics and assessing various kinds of salts and other components.

In addition to implementing air quality oversight programs in and outside facilities, we detect gaseous emissions and air components in monitoring and measurement areas, find particles, sand and dust (whether big or small), the concentration thereof, and of heavy elements compared to ecological and health accepted levels, according to regulations and laws protecting the environment. We measure radiation from natural and industrial substances and assess the concentration and nature of radiating materials.

Environmental Awareness and Training

SEPCO Environment plays a vital and important role in social initiatives for the service of the community, endeavoring to raise environmental awareness through partnership and cooperation in order to improve knowledge on the necessity to protect and preserve the environment. It also contributes positively in activities and programs which educate on environmental health and social services.

Additionally, based on affiliation and citizenship, the company supports comprehensive awareness programs addressed to families, schools and associations in order to fully comprehend the social responsibility so that everyone feels this responsibility and the ability to act accordingly, especially that it binds social responsibility to Islamic and national beliefs and values.

Hence, we believe that creativeness and innovation in these social services are not limited to mechanisms, projects and products alone, but we view that their civil value increases within social initiatives according to new ideas and mechanisms.

Based on this logic, we, at SEPCO Environment, work to support and broadcast several concepts, including the „social leadership“ concept for the young generation and society, due to the importance of supporting social development and the government and private sectors efforts to promote it. Transforming society through social leadership is a „long term investment“ where everyone profits.

The company uses new technology and social media to contribute in influencing young people to adopt non-conventional ideas in order to achieve sustainability all over the Kingdom.

In all of this, the company believes social responsibility cannot succeed without social events and causes. Therefore, one should always undertake and cooperate for a solid society.

Awareness and Environmental Information

Our programs are based on our proud mission to promote environmental culture and knowledge in our society and to motivate individuals and various institutions to actively participate in protecting the environment and resources for a healthy and safe environment.

We, in SEPCO, pay particular attention to these programs as an essential part of our duties to promote environmental awareness and to accomplish a sustainable environment through improving behaviour in dealing with ecology.

Our Achievements:

- Initiating „We all are its guards“, one of the most important initiatives to promote environmental culture in the Kingdom.
- Issuing the monthly „Earth“ environmental bulletin to preserve the environment.
- Issuing the Saudi „Environment and Development“ magazine in order to raise environmental awareness.

Our Achievements:

- To organize awareness lectures for employees in various sectors.

- To participate in environmental seminars and forums.
- To develop awareness programs, including assessment studies, strategies and information material.
- Develop strategic partnerships to raise environmental awareness and share experiences.
- Encourage ecological culture and improve capabilities to make appropriate environmental and social decisions.
- Enhance the public and higher education role to promote the best ecological behaviour and knowledge and include this into curricula.
- Organize awareness campaigns.
- Participate in organizing programs to educate academic students.
- Awareness publications.
- Establish partnerships with institutions responsible for environmental matters in the KSA.
- Sponsor ecological activities.
- Organize interactive competitions in commercial compounds, universities and in boys' and girls' schools.



“ We seek to promote ecological culture and stimulate individual and collective participation to protect the environment ”



Fields of Environmental Awareness

Incorporate the public and private sectors with scientific material fit to target audience and adaptable to practice.

Our Achievements

Raising environmental awareness in medical and technical institutions for the safe handling of disposable medical waste by organizing training sessions for employees in the health sector.

Institutional Capabilities

- Training programs.
- * Workshops to build employees' capabilities in order to transform their institutions into green workspace and rationalizing consumption.

Environmental Training

With increased awareness of waste and people's health, environmental management techniques became a corner stone for successful and responsible companies. Environmental training became an important tool for ensuring compliance with municipal environmental laws and achieving significant economic returns.

Fields of Environmental Training

We established our own environmental training center for our employees. This center was essential in developing their capabilities.

We offer training programs which are composed of two main focal points:

1. practical skills
2. institutional capabilities

“ We aspire to contribute in a sustainable environment through emphasizing our social responsibility towards our clients and society by raising awareness and training ”



Water Solutions

We offer integral environmental solutions in the field of water management and treatment, industrial and municipal wastewater, oil and chemically polluted water. This includes designing, building, operating and maintaining water treatment systems, industrial sludge and on-site treatments or in the central treatment centre at the SEPCO Environment complex at Rabigh. This centre uses the world's latest technologies and the best physical, chemical, and biological methods of treatment, among of which are separation and removal of suspended oil and organic substances, physical and chemical sedimentation, floating, assembling, neutralizing, filtering, curdling, physiochemical treating, aerobic and anaerobic treating and treatment by enzymes, super filtration, reverse osmosis, ultraviolet and ozone sterilization.



“ We are proud of our role in preserving water resources. Our services include treating wastewater ”

01

Industrial Wastewater Treatment

With the prosperity and modernization of economy in the Kingdom of Saudi Arabia, industrial facilities have increased considerably and so did the resulting industrial waste and wastewater.

Due to the dangerous nature of this industrial wastewater, the permitted levels of production are constantly reduced. Emphasis is placed on treating wastewater inside industrial facilities.

At SEPCO, we have a modern and developed department for industrial wastewater treatment run by experts with advanced levels of knowledge and experience.

Risk of Not Treating Industrial Wastewater

The release of industrial wastewater without treatment into sewage networks causes:

- Serious pollution of groundwater, sea water and marine life.
- Raising pollution in wastewater to dangerous levels.
- Causing corrosion of the sewage network.
- Losing the opportunity of reusable water within the industrial facility.

Variety of Designs

We pay particular attention to diversifying our solutions to meet our clients' needs. We provide systems with different capacities ranging from 5 cubic meters to 1,000 cubic meters a day. If our clients require a larger capacity, we can customize a special design according to the desired specifications.

02

Waste-water Treatment

There has been a lot of talk recently about the water crisis in our region with regard to water security.

Our Services in this Field

We are proud of our role in preserving water resources. Our wastewater services start from before treatment up to the 3-step treating stage.

As wastewater treatment develops, we endeavour to also develop our experience with continuous research and development.

The background features a light gray grid of small triangles. Overlaid on this are various geometric shapes and patterns: a large green palm leaf in the top left, a green triangle with diagonal stripes, a dark blue triangle with a white dot pattern, a green triangle with diagonal stripes, a dark blue triangle with a white dot pattern, and a green triangle with diagonal stripes. The title "An Environment and a Homeland" is written in a bold, black, sans-serif font.

An Environment and a Homeland

More than twenty years since the establishment of this company, its services have evolved locally and globally and progressed from merely protecting the environment to establishing comprehensive and sustainable national programs for the protection of environment from toxic waste and improving life quality for future generations while taking into account our responsibility to preserve the homeland environment and natural resources.

We are pleased to be the first comprehensive environmental company that provides a package of environmental services in the KSA and the Middle East and to have relieved this good homeland from two decades of waste accumulation and proudly became efficient, for ourselves and our beloved country.



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