

pollution control  
& monitoring  
water,  
wastewater,  
solid waste,  
air pollution  
industrial waste  
.....& more



**epeco . usa**  
ENVIRONMENTAL



at **EPECO.USA**, the Environmental Projects & Engineering Company, our business is to support clients and legislators to clean up the legacy of the past, advising on environmental obligations and liabilities and handling site assessments and clean-up.

- Our expertise is extended to cover:
- Regulatory Compliance & Auditing.
- Environmental Data Management-Collection, Analysis and Reporting.
- Environmental Impact Assessment.
- Planning and Management of Environmental Projects.
- Design and Engineering of Environmental Protection Equipment and Systems.

# OUR SERVICES

## **Environmental Impact Assessment**

Assessment of Contamination in:

- Land/Soil.
- Waterways.
- Underground Water Aquifers.
- Water Lakes & Reservoirs.
- Air.
- Industrial Facilities.
- Power Plants.
- Oil Fields.

## **Wastewater Collection, Transfer, Treatment & Reuse Technologies**

Design, Engineering and Manufacturing of:

- Wastewater Collection & Transfer Systems.
- Wastewater Treatment & Reuse Systems.

## **LEED Certification.**

Supporting Buildings for Leadership in Environmental & Engineering Design  
LEED Project Management & Accrediting.

- Visioning and Goal Setting for Projects
- Building Assessment and Strategic Planning
- Implementation of LEED Criteria
- Certification Application Preparation and Review.
- Training (USGBC and AIA Education Provider)

## **Land Restoration**

Design and implementation of land restoration programs including:

- Damage Assessment.
- Risk Estimation.
- Site Surveys.
- Field Tests & Analysis.
- Suggesting Solutions.
- Planning of Actions.
- Managing Solutions.
- Design of Environmental Protection and Decontamination Plants.
- Accrediting Performance.

## **Environmental strategies & Management**

- Risk assessment.
- Risk Management & Control.
- Strategies design & Implementation.

# OUR PRODUCTS & SERVICES

## Solid Waste Treatment & Recovery.....Thermal Desorption Technology

Contaminated soil is treated for remediation of:

- Hydrocarbon/oil.
- Pesticide.
- Chlorine and Sulfur gas.
- PCB.
- Biological.
- Paints.
- Solvents.
- Asbestos.
- Dioxin.
- PVC, PE, & PP waste residues.



Thermal desorption is typically used to clean up soil that is contaminated with VOCs and SVOCs at depths shallow enough to reach through excavation. Thermal desorption may be faster and provide better cleanup than other methods, particularly at sites that have high concentrations of contaminants.

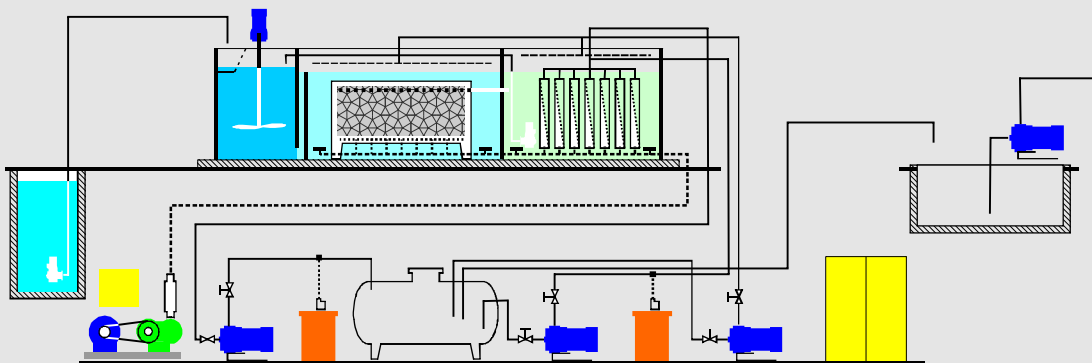
Thermal desorption works well at separating organics from refining wastes, coal tar wastes, waste from wood treatment, and paint wastes. It can separate solvents, pesticides, PCBs, dioxins, and fuel oils from contaminated soil.



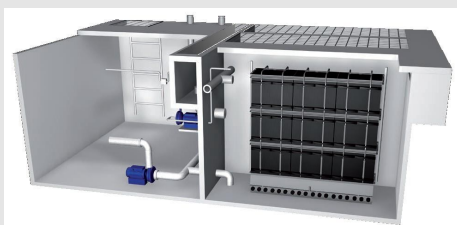
# OUR PRODUCTS & SERVICES

## Wastewater Treatment & Reuse

EPECO.USA has developed a full range of Wastewater Treatment & Reuse Plants **epMBR ffc**, designed to efficient, economical and reliable performance. **epMBR ffc** can produce a nearly potable water from wastewater at economics much better than brackish or seawater desalination. **epMBR ffc** is a basic tool in conserving energy, water resources, but keeping the environment clean.



**epMBRT ffc** plants are delivered to site, factory built, tested and ready for quick installation, commissioning and start-up.



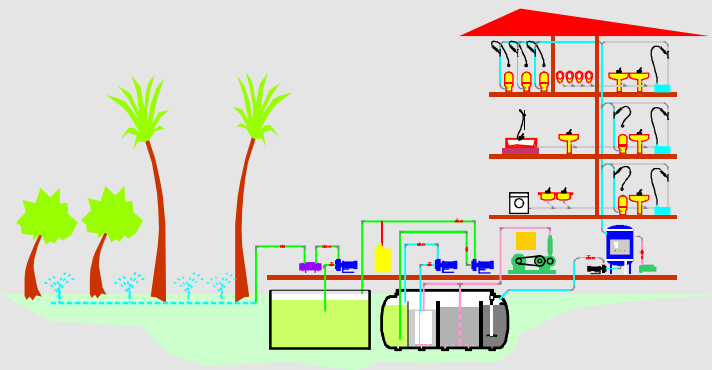
**epMBRT ffc** plants are also available in concrete structure.

# OUR PRODUCTS & SERVICES

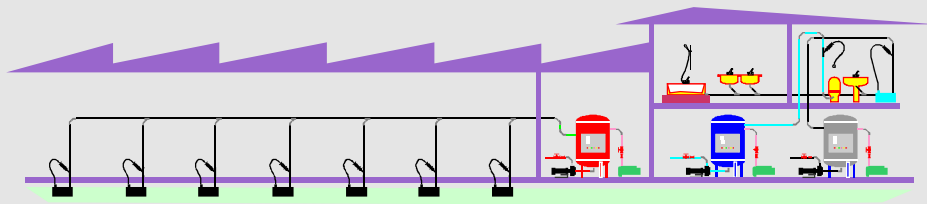
## Wastewater Collection & Transfer

**epVAC**, the vacuum sewer collection systems from **EPECO.USA** are designed to collect and transfer wastewater under vacuum. **epVAC** technology is saving energy & potable water supplies among many other features.

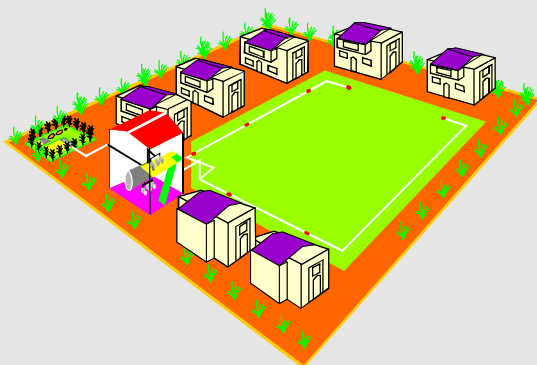
**epVAC** systems are available in three configurations:



**epVAC.VIS**, Vertically Integrated Systems for high buildings.



**epVAC.HIS**, Horizontally Integrated Systems for flat buildings.



**epVAC.VSS**, municipal communities

# OUR PRODUCTS & SERVICES

## LEED Accreditation

**EPECO.USA** is serving the internationally recognized green building program LEED (Leadership in Energy and Environmental Design). It provides building owners and operators with a framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions.

**EPECO.USA's** consulting services can be tailored specifically to meet customers needs and objectives. **EPECO.USA** helped many buildings to achieve LEED Certification.

**EPECO.USA** supports the entire family of LEED rating systems. **EPECO.USA's** extensive knowledge of the LEED process provides clients with valuable advice and smooth project implementation. Whether it is implementing LEED on a single building or an entire portfolio of buildings, there is no project too large or too small; **EPECO.USA'** goal is to help clients succeed at LEED. Our services include:

- ▣ LEED Project Management
- ▣ Visioning and Goal Setting for Projects
- ▣ Building Assessment and Strategic Planning
- ▣ Implementation of LEED Criteria
- ▣ Certification Application Preparation and Review
- ▣ Training (USGBC and AIA Education Provider)

# OUR EXPERIENCE

## Environmental Impact Assessment

- Ciba Geigy Pesticide Stores, Riyadh, Saudi Arabia, 1994.
- Aramco Wastewater Treatment Plant, Dhahran, Saudi Arabia, 1994.
- Al Ahram Steel & Iron, Egypt 1998.
- AAN Lead Smelter, Egypt 1998.
- Manar Petrochemical Factory, Egypt 1999.
- Ahlia Oils, Egypt, 1999.
- Horia 2000 Sweet & Confect. Factory, Egypt 1999.
- Elshark Metals, Egypt, 2000.
- Gantec Residential Complex, Egypt, 2000.
- Police Officers Resort, Marsa Matrouh, Egypt, 2000.
- Petroland LPNG, Egypt, 2002.
- Abu Eriki Resort, Marsa alam, Egypt, 2003.
- Royal Paradize Resort, sharm el Sheikh, egypt, 2003.
- Sharm el Sheikh Airport Logistics Center, Egypt 2004.
- Abu Eriki Resort, Marsa alam, Egypt, 2003.
- Golden Shrimps Farm, Ras Ghaleb, egypt 2005.
- Areej Resort, Egypt, 2006.
- Muwailah Lagoon Clean-up & Recycling, Sharjah, UAE 2007.
- RAKIA phase II Industrial Wastewater Collection, Transfer and Treatment, UAE, 2007.
- Banyan Tree Resort, UAE, 2008.
- al Rowbaiki Tanneries, Egypt, 2010.
- Sokhna Port Wastewater Treatment & Reuse, Egypt 2011.
- Chevron Wastewater Treatment & Reuse, Egypt 2013.

## Land Restoration

- Ciba Geigy Pesticide Stores, Riyadh, Saudi Arabia, 1994.
- Costal Oil Spell, Ras Ghareb, Egypt, 2005.
- Muwailah Lagoon Clean-up & Recycling, Sharjah, UAE 2007.



# OUR EXPERIENCE

## **Wastewater Treatment & Recycling**

- Aramco Wastewater Treatment Plant, Dhahran, Saudi Arabia, 1994.
- Gantec Residential Complex, Egypt, 2000.
- Police Officers Resort, Marsa Matrouh, Egypt, 2000.
- Abu Eriki Resort, Marsa alam, Egypt, 2003.
- Royal Paradize Resort, sharm el Sheikh, egypt, 2003.
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