UtilEco™ is a bio-technology company that focuses on providing advanced environmental solutions for homes, communities and industry. Our team of scientists and engineers are dedicated to invention and innovation; designing systems and products that are utilised in the fields of sewage and wastewater treatment, water conservation and recycling, odour control, spill clean-up, land and water remediation and potable water management.

In a world with diminishing water resources and rising pollution, conventional solutions are increasingly failing to meet expectations. UtilEco's advanced environmental solutions meet the challenges of preserving, protecting and cleaning our environment.

UtilEco's management team has over 30 years experience, providing unique solutions to our many customers, both big and small; from large industrial/municipal projects in Europe and the Middle East and agricultural industries in Scandinavia, to villas and golf courses in Spain, isolated cabin communities in the Norwegian fjords, and mining camps in Africa. UtilEco™ has been there to help its clients.

Our constant drive to improve efficiency has led us to create strategic alliances with research centres, including the European Union’s Experimental Wastewater Test Centre in Spain, the Building Research Establishment in the UK and Process-Research Ortech Inc. in Canada.

UtilEco’s proprietary technologies are readily installed as either standalone systems for a total solution or as a customised upgrade that can be integrated into existing conventional systems. Our systems also have the flexibility to be installed as modules, gradually increasing the system capacity to meet the changing demands of a growing company or community. With increasing regulatory control on waste and water management, the ability to augment existing systems to meet tighter environmental standards whilst avoiding extensive capital outlay is critical in today’s competitive world.

The environment is about quality... a principle that permeates through all of the technologies, equipment, products and services provided by UtilEco™.
UtilEco™ MODUSTATE™ compact sewage treatment systems are technologically advanced plants, that provide primary, secondary and tertiary treatment to rapidly decontaminate sewage water to meet compliance with European Union, EPA, and local environmental discharge standards, as well as recycle water standards, for irrigation purposes.

The MODUSTATE™ system eliminates foul odours as well as helping to accelerate degradation of sewage and FOG (fats, oils and grease) in sewage treatment systems of all types.

MODUSTATE™ systems eliminate odour causing compounds at source, thus preventing toxic hydrogen sulphide gas emissions, which represent a significant risk to human health.

MODUSTATE™ systems are designed to protect the environment and ground water resources.

Applications:
Sewage treatment systems & products for housing estates, tourist hotels and communities of up to 1,000 people.

Method of Application:
Manual dosing or optional timer controlled automatic dosing system.

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Underground Installation

A System for 90 p.e.

A MODUSTATE™ System
UtilEco™ MODUSTATE™-MEGA compact sewage treatment systems are technologically advanced plants that provide primary, secondary and tertiary treatment, to rapidly decontaminate sewage water to meet compliance with European Union, EPA, and local environmental discharge standards, as well as, recycle water standards for irrigation purposes.

MODUSTATE™-MEGA systems eliminate foul odours as well as help accelerate degradation of sewage and FOG (fats, oils and grease) in sewage treatment systems of all makes.

### Applications:
Sewage treatment systems & products for housing estates, tourist complexes and communities of up to 50,000 people.

### Method of Application:
Mixing tank with timer controlled automatic dosing system.

MODUSTATE™-MEGA systems eliminate odour causing compounds at source, thus preventing toxic hydrogen sulphide gas emissions, which represent a significant risk to human health.

MODUSTATE™-MEGA systems are designed to protect the environment and ground water resources.
ETIC TM OODRE CONTROL SYSTEMS
UtilEco ECONIM™ bio-catalytic water treatment systems are technologically advanced, compact columns that provide odour control and rapid decontamination of sewage water to meet compliance with recycle water standards for irrigation purposes.

Used in conjunction with the ECONIM™, FORTEX products help accelerate degradation of sewage, detergents and FOG’s (fats, oils and grease) in sewage systems and most types of wastewater lagoons.

Applications:
Liquefaction & digestion of fats, oils & grease.

Method of Application:
Timer controlled automatic dosing system.

VETRO FOG TREATMENT SYSTEMS
UtilEco™ VETRO compact fat digestion systems are technologically advanced mini-reactors that provide liquefaction and digestion of fats, oils and grease in commercial kitchens and restaurants.

Benefits:
VETRO systems are supplied in stainless steel for installation in kitchens, but are also available in larger sizes in fibreglass construction for below ground installation. Such units can serve as pre-treatment modules for UtilEco™ sewage treatment systems.

VETRO systems are designed to provide clean and maintenance free drainage lines. The treated water is suitable for discharge to sewers or downstream sewage treatment plants.

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OLFATEC PRODUCT RANGE

OLFATEC ODOUR CONTROL
The OLFATEC product pack includes natural micronutrients and biocatalysts that enable rapid degradation of organic sulphur-containing compounds (mercaptans) and amines that are responsible for the release of pungent volatile organic compounds (VOC). Degradation of these compounds also helps to eliminate the food source for organisms that produce hydrogen sulphide.

OLFATEC products also enhance secretion of enzymes that create an oxidative environment with respect to sulphur in aerobic and anoxic environments. All sulphur compounds are altered to harmless sulphates.

The OLFATEC pack is comprised of powders and solutions that can be dosed into sewage transmission lines, pumping stations, sewage treatment plants and lagoons.

EXAMPLE: A SPANISH PORT

- 2 km marina.
- 35 restaurants.
- Tourist/beach area.
- Sewage line under open restaurant tables.

After introduction of OLFATEC product:
- No more severe odour problems were experienced.
- No more pipeline blockage problems were recorded due to fat accumulation.

Applications:
Sewage transmission lines, pumping stations, treatment plants and lagoons.

Method of Application:
Manual dosing or optional timer controlled automatic dosing system.

Benefits:
By breaking down the odour sources in-situ, UtilEco™ is able to provide effective odour control to acceptable standards as set by the EPA. This approach has been successfully applied over a broad range of sewage applications: from small household scale sewage treatment plants to municipal sewage works in the UK and EU, treating flows of up to 100,000 m³/day.

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MODUSTATE™-AQUA is an advanced, state-of-the-art water purification system that integrates multiple modules to deliver high quality potable water from surface and ground water sources. MODUSTATE™-AQUA systems deliver potable water that is in compliance with WHO (World Health Organisation) drinking water standards. The modular design of MODUSTATE™-AQUA systems permit selection of leading filtration and purification technologies that can be custom designed to meet project specific requirements. MODUSTATE™-AQUA systems are compact in size and easy to install and operate.

UtilEco™ has an extensive knowledge and experience in the field of the purification of water; this has been integrated into all MODUSTATE™-AQUA units. The modular design format makes increasing the available water supply easy.

The MODUSTATE™-AQUA systems for water treatment include a filtration system, followed by carbon block or activated charcoal adsorption for the elimination of particulates and heavy metals. The systems for the treatment of brackish waters generally include a reverse osmosis or ultra filtration module.

The mechanical filtration eliminates all particulates over 5 microns in size. This step is essential to guarantee the maximum sterilization which is achieved by means of a highly effective system of ultraviolet sterilization, where all the coliforms and microorganisms are destroyed.

For MODUSTATE™-AQUA systems that are to be installed in remote locations or where the microbiological risk is high, an additional sterilizer is included. The disinfection post-sterilization is by means of hydrogen peroxide or ozone generators.

UtilEco™ is not in favour of the use of Chlorine for the disinfection of the water due to the adverse effects on health and the environment caused by secondary products of Chlorination. Nevertheless, the preferences of the client always will be considered and respected.

MODUSTATE™-AQUA systems are mounted on a metal structure, which houses the electrical system and the electronic controls.
REQUEST FURTHER INFORMATION

Please send your request to:
+971 (0)44 29 0244 or info@utileco.com

Please send specific information on:

- Sewage Treatment
- Industrial Wastewater Treatment
- Odour Control
- Potable Water
- Land/Water Remediation
- Environmental Management (HSE, IPPC)
- Speciality Applications
- Technical Services
- Project Financing (Build Own Operate Solutions)
- Please call me

Company

Name

Department

Street

Town/Post Code

Telephone / Fax

Email