

Customized Solutions for Environmental Engineering



Moving Towards a Cleaner Environment

A Fully Owned Subsidiary of **UTE**
ENGINEERING

ECOLOGIC
— SYSTEMS —



Ecologic Systems (Pvt) Ltd

Ecologic Systems is a Design & Build Process Engineering contracting and consultancy company established in 1993 who provides engineering solutions for environmental protection and delivers projects engineered and managed by well experienced engineering staff.

We offer custom design solutions to all sectors of government, public and private enterprises in hospitality, healthcare, garment, rubber, packaging, printing, fertilizer & industrial chemicals, food & beverage, construction etc.,

Our services include design, fabrication, installation, testing, and commissioning & plant operations as well as obtaining statutory approvals for clients.

Ecologic systems in a CEA approved/ authorised Consultant for Environmental Engineering consultation and system implementation.

Ecologic Systems (Pvt) Ltd, is a fully owned subsidiary of United Tractor & Equipment Pvt Ltd.

Sewage / Effluent Treatment & Sludge Management

- Conventional anaerobic & aerobic systems
- Sequencing batch reactors
- Moving bed bio reactors
- Rotating biological contactors
- Membrane bio reactors
- Filter presses

Water Treatment Plants

- Seawater / brackish water Reverse Osmosis plants
- De-mineralization plants
- Water softeners
- Water Filtering plants

Solid Waste Management

- Bio gas plants
- Incinerators
- Engineered land fills
- Compost plants

Air Pollution Control, Noise Abatement & Ventilation

- Wet scrubbers
- Electrostatic precipitation systems
- Dust collectors
- Sound insulation / sound absorption
- Vibration isolation

Operation & Maintenance of Plants

- Sewage & wastewater treatment plants
- Water treatment plants



Earl's Regency Hotel,
Kandy



Palm Beach Island Resort,
Maldives



Kandalama Hotel
Dambulla



Base Hospital,
Kuliyaipitiya



Marriot Hotel & Spa
Weligama

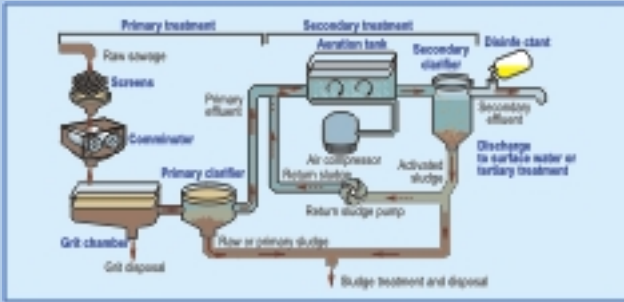
Our services

- Sewage and wastewater treatment
- Water treatment (Specialized in BWRO & SWRO systems)
- Solid waste management
- Air pollution control and ventilation systems
- O & M services for STP's WTP's and other environmental pollution control systems
- Rehabilitation and upgrading of existing & treatment systems

Advantages of our plants

- Custom design / Application specific systems
- Long service life
- Regulatory compliant
- User friendly - low & easy maintenance
- Advanced treatment options are available on request

Technologies

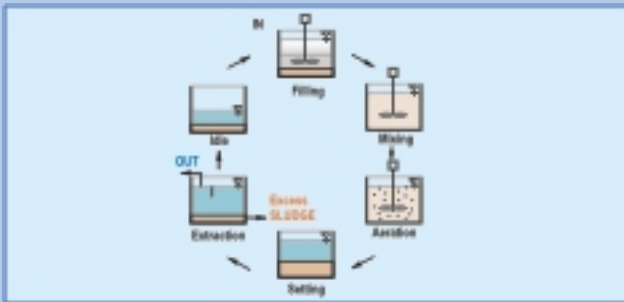
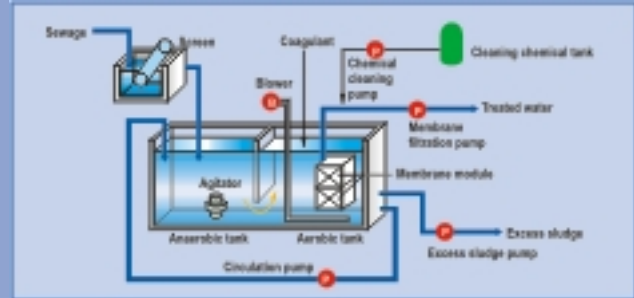


Combined Anaerobic and Aerobic Treatment Systems

- We design & build the treatment plants locally.
- All equipment are sourced locally.
- Convenient & easy operations.
- Low maintenance cost.

Membrane Bio Reactor (MBR)

- MBR is the latest technology in the wastewater treatment field.
- MBR produces high quality water when dealing with domestic wastewater.
- Treated effluent is safe to be discharged into water bodies.
- MBR's have smaller footprints & easy to retrofit and upgrade.

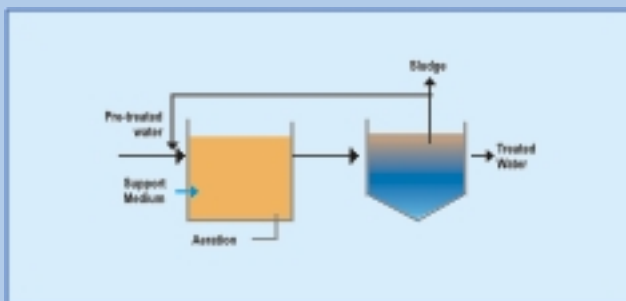
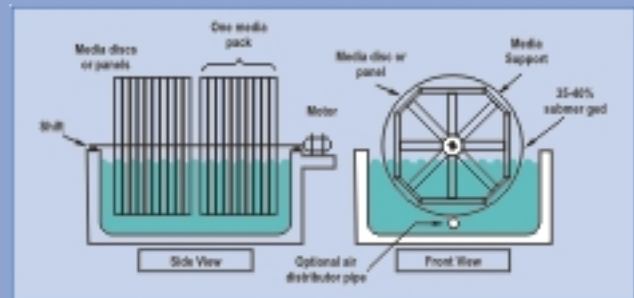


Sequencing Batch Reactor (SBR)

- Aeration and sludge settlement both occur in the same tank.
- Space requirement is less, which significantly reduces civil construction costs.

Rotating Biological Contactor (RBC)

- RBC guarantees low operating costs due to low power consumption.

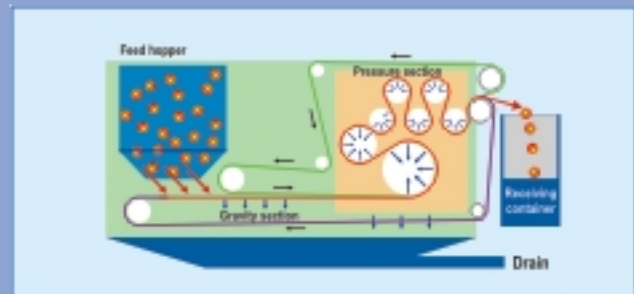


Moving Bed Bio Reactor (MBBR)

- MBBR technology uses polyethylene biofilm media, which is kept in suspension in an aeration tank.
- This system uses less space than the conventional sewage treatment plants.

Sludge Dewatering Plants (SDP)

- SDP is focused on reducing on sludge weight & volume.
- Reduces cost of disposal.
- Mitigates potential health risks.





We offer

- Most economical unit cost of waste treated.
- High quality services, meeting established environmental standards.
- Minimum resource utilization & sound environmental practices in waste minimization & pollution prevention.
- Design solutions that minimize and mitigate adverse impacts of construction & development.
- Immediate response to customer requirements.
- Free training on health and safety.

Rectification of Plants

We undertake complete inspection, evaluation, fault identification/trouble shooting, rehabilitation of existing treatment plants.

Operations & Maintenance

We provide plant operation and maintenance services (O&M contracts) at attractive rates, to take off the burden of maintaining treatment plants anywhere in Sri Lanka. Depending on the customers' budget ranging from full maintenance to periodical inspection and advisory services.

24 hour breakdown services

Plants supplied by us enjoy 24 hour breakdown service at no extra cost. This service can be extended to plants supplied by others at a competitive rate.

Warranty

All our plants carry standard one year warranty. Warranty can be extended up to five years at an attractive rate.



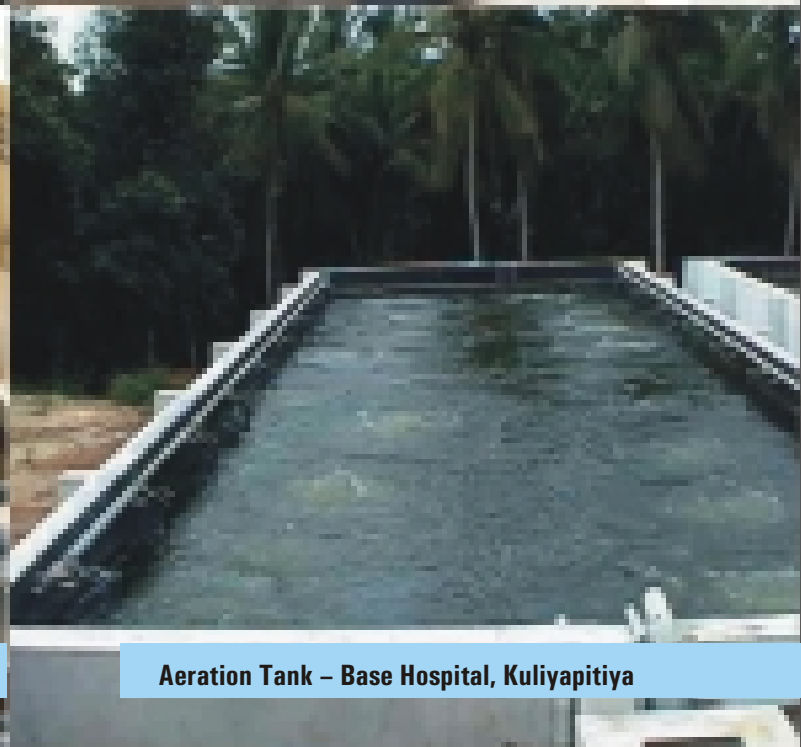
Carbon Filter – BOI - EPZ, Horana



Sand Filter System – BOI - EPZ, Horana



Lamella Separators – BOI - EPZ, Horana



Aeration Tank – Base Hospital, Kuliypitiya



Sea Water Reverse Osmosis Plant, Delft Island - Sri Lanka

Projects

Major Projects in Sri Lanka

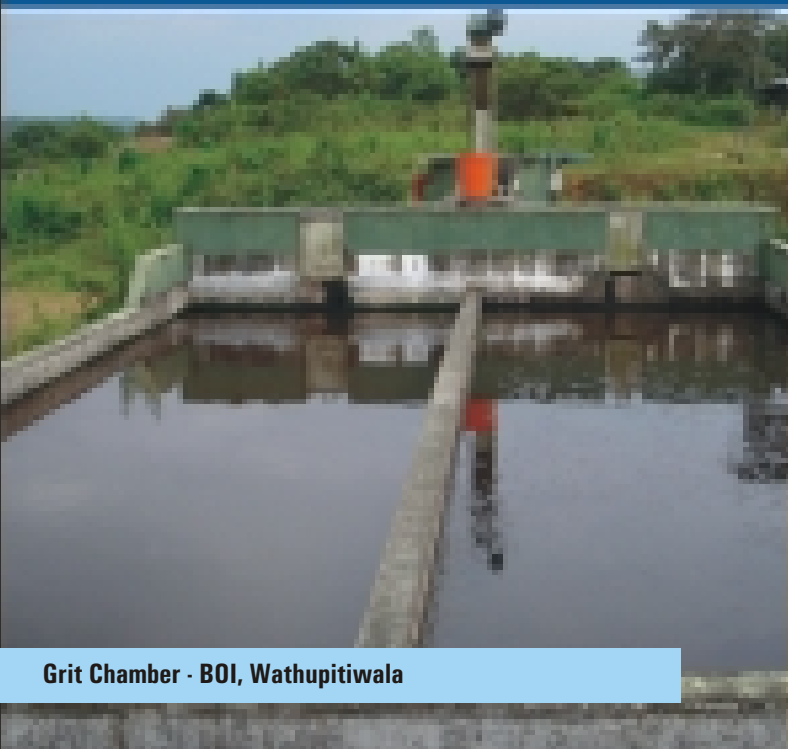
- STP for Marriot Hotel & Spa - Weligama 330 m³/day
- SWRO for NWS&DB, Delft Island, Jaffna 200 m³/day
- STP for Ranaviru Apparels - Alawwa 100 m³/day
- STP for MN Properties Pvt Ltd - Ragama 60 m³/day
- BWRO for Lakvijaya Power Station, Norochcholai 240 m³/day
- Pre-treatment plant - BOI - EPZ, Wattupitiwala 400 m³/day
- WWTP for BOI - EPZ, Horana 1000 m³/day
- STP for Air Force Base - Anuradhapura 350 m³/day
- WWTP for Sirimawo Bandaranayake Children's Hospital - Peradeniya 240 m³/day
- WWTP for Base Hospital - Kuliyaipitiya 300 m³/day
- STP for The Lodge - Habarana 210 m³/day
- STP for University of Kelaniya 200 m³/day
- STP for Earl's Regency Hotel - Kandy 95 m³/day
- STP for AIDA Hotel - Bentota 15 m³/day

Major Overseas Projects

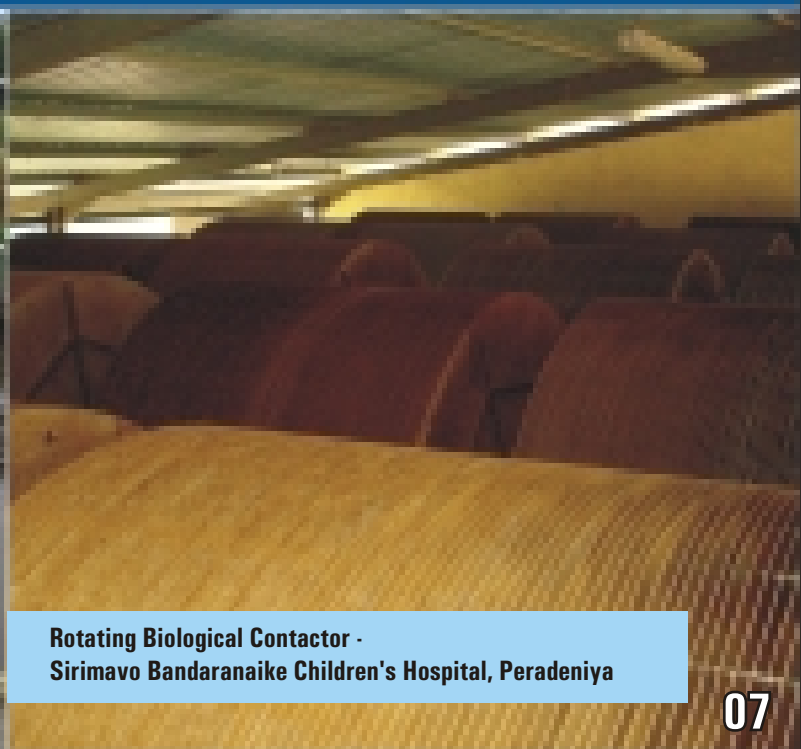
- STP for Lux North Male Resort – Olhahali 225 m³/day
- STP for Meedhupparu- Pearl Island Resorts 200m³/day
- STP for Kanifinolhu Resorts 200m³/day
- STP for Royal Island Resorts 250m³/day
- STP for Palm Beach Island Resorts 90m³/day
- STP for Reethi Beach Resorts 90m³/day

Projects Under Execution


- SWRO for Kalpitiya Lagoon Resorts 150m³/day



Grit Chamber - BOI, Wathupitiwala



Rotating Biological Contactor -
Sirimawo Bandaranaike Children's Hospital, Peradeniya

The image features the UTE Engineering logo at the top center, consisting of the letters 'UTE' in a bold, black, sans-serif font, with a horizontal line underneath, followed by the word 'ENGINEERING' in a smaller, black, sans-serif font, and the website address 'www.ute.lk' below that. The background is a photograph of a water treatment facility, showing a large, circular concrete tank with a metal railing in the foreground. In the distance, there are various industrial structures and a clear sky.

UTE
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