

Customized Solutions for Environmental Engineering



Moving Towards a Cleaner Environment

A Fully Owned Subsidiary of
United Tractor & Equipment (Pvt) Ltd.



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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.

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Sewage / Effluent Treatment & Sludge Management

- Conventional anaerobic & aerobic systems
- Sequencing batch reactors
- Moving bed bio reactors
- Rotating biological contactors
- Membrane bio reactors
- Package Type Sewage Treatment Plants
- 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

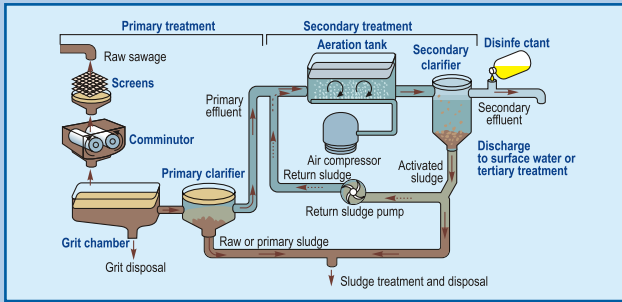
Our services

- 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

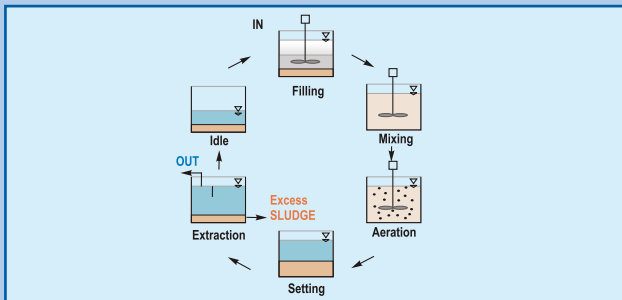
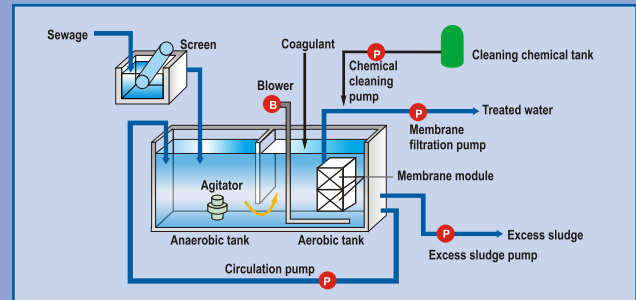


Combined Anaerobic and Aerobic Treatment Systems

- 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.

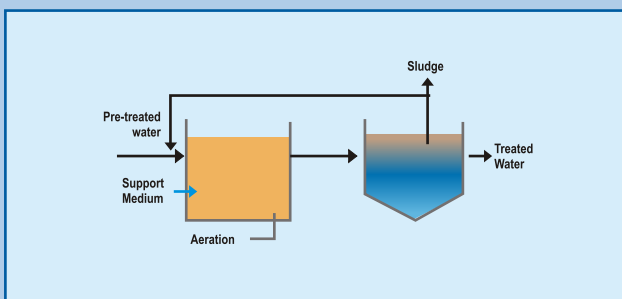
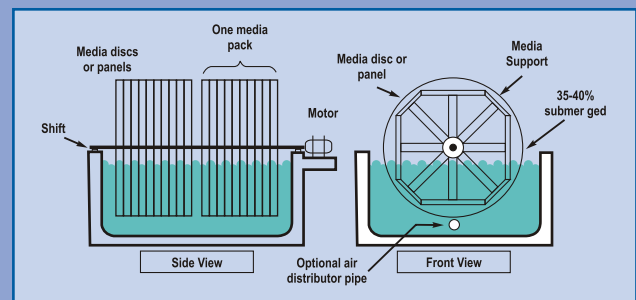


Sequencing Batch Reactor (SBR)

- 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.

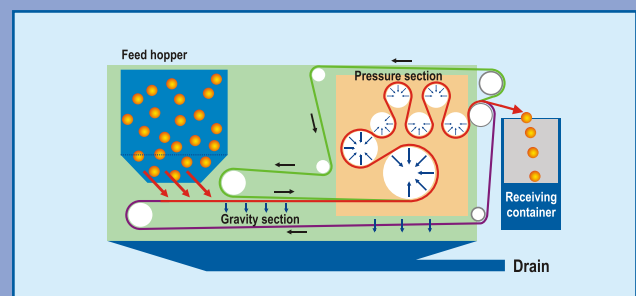


Moving Bed Bio Reactor (MBBR)

- 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.



Value Added Services



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.



Alila Resort, STP - Maldives



Alila Resort, SWRO - Maldives



Anantara Resort, STP - Maldives



Anantara Resort, STP - Maldives



Sea Water Revers Osmosis Plant, Nainathive - Sri Lanka



Sea Water Reverse Osmosis Plant, Delft Island - Sri Lanka

Projects

Major Projects in Sri Lanka

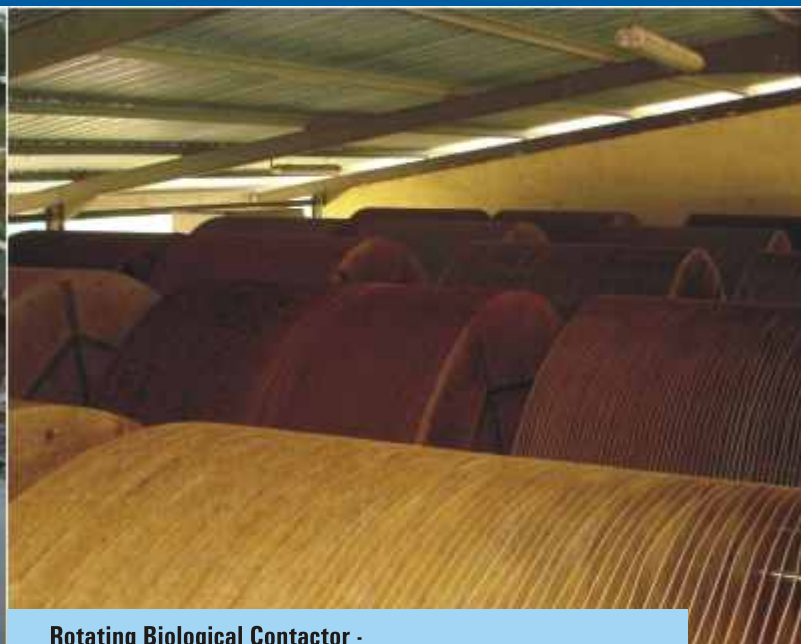
• STP for SL Defence Apartment Complex - Kinhadeniya	300 m ³ /day
• STP for Base Hospital - Wellawaya	200 m ³ /day
• WTP for CEB Daluwa Housing Complex - Lakwijaya Norochcholai	400 m ³ /day
• STP for Marriot Hotel & Spa - Weligama	330 m ³ /day
• Mobile water treatment plant for NWS&DB	2x200 m ³ /day
• STP for Hemas Hospita, Wattala	140 m ³ /day
• SWRO for NWS&DB, Nainathive	300 m ³ /day
• SWRO for NWS&DB, Delft Island, Jaffna	200 m ³ /day
• STP for Ranaviru Apparels - Alawwa	100 m ³ /day
• STP for MN Properties Pvt Ltd - Ragama	60 m ³ /day
• BWRO for Lakvijaya Power Station, Norochcholai	240 m ³ /day
• Pre-treatment plant - BOI - EPZ, Wattupitiwala	400 m ³ /day
• WWTP for BOI - EPZ, Horana	1000 m ³ /day
• STP for Air Force Base - Anuradhapura	350 m ³ /day
• WWTP for Sirimawo Bandaranayake Children's Hospital - Peradeniya	240 m ³ /day
• WWTP for Base Hospital - Kuliapitiya	300 m ³ /day
• STP for The Lodge - Habarana	210 m ³ /day
• STP for University of Kelaniya	200 m ³ /day
• STP for Earl's Regency Hotel - Kandy	95 m ³ /day
• STP for AIDA Hotel - Bentota	15 m ³ /day
• SWRO for Kalpitiya Lagoon Resorts	150 m ³ /day

Major Overseas Projects

• STP for Finohlu Resort - Maldives	30 m ³ /day
• STP for Anantara Resort - Maldives	400 m ³ /day
• STP for Alila Resort - Maldives	200 m ³ /day
• SWRO for Alila Resort - Maldives	200 m ³ /day
• STP for Lux North Male Resort - Olhahali	225 m ³ /day
• STP for Pearl Island Resorts - Meedhupparu	200 m ³ /day
• STP for Kanifinolhu Resorts	200 m ³ /day
• STP for Royal Island Resorts	250 m ³ /day
• STP for Palm Beach Island Resorts	90 m ³ /day
• STP for Reethi Beach Resorts	90 m ³ /day



Grit Chamber - BOI, Wathupitiwala



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



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