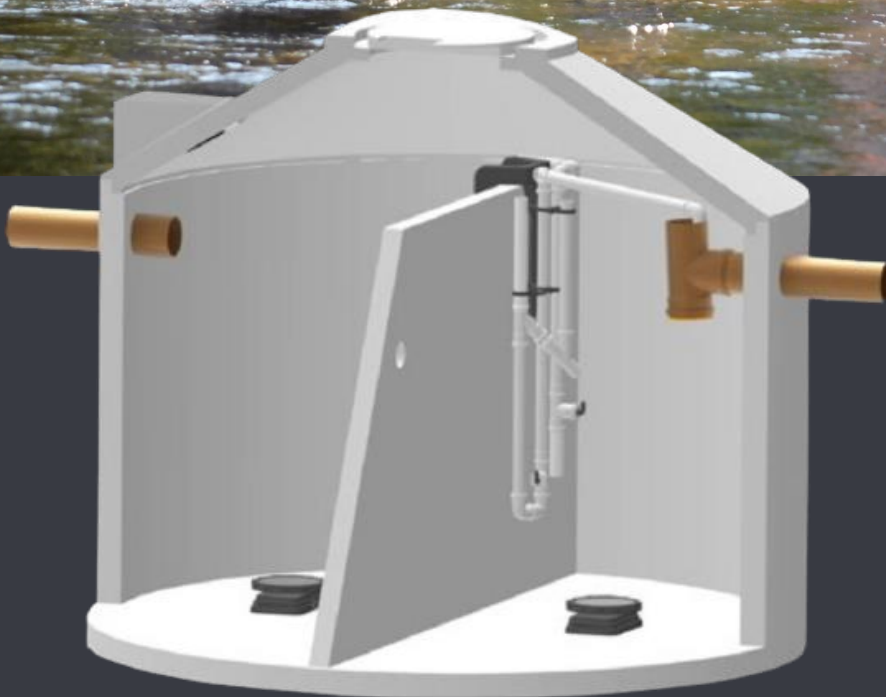
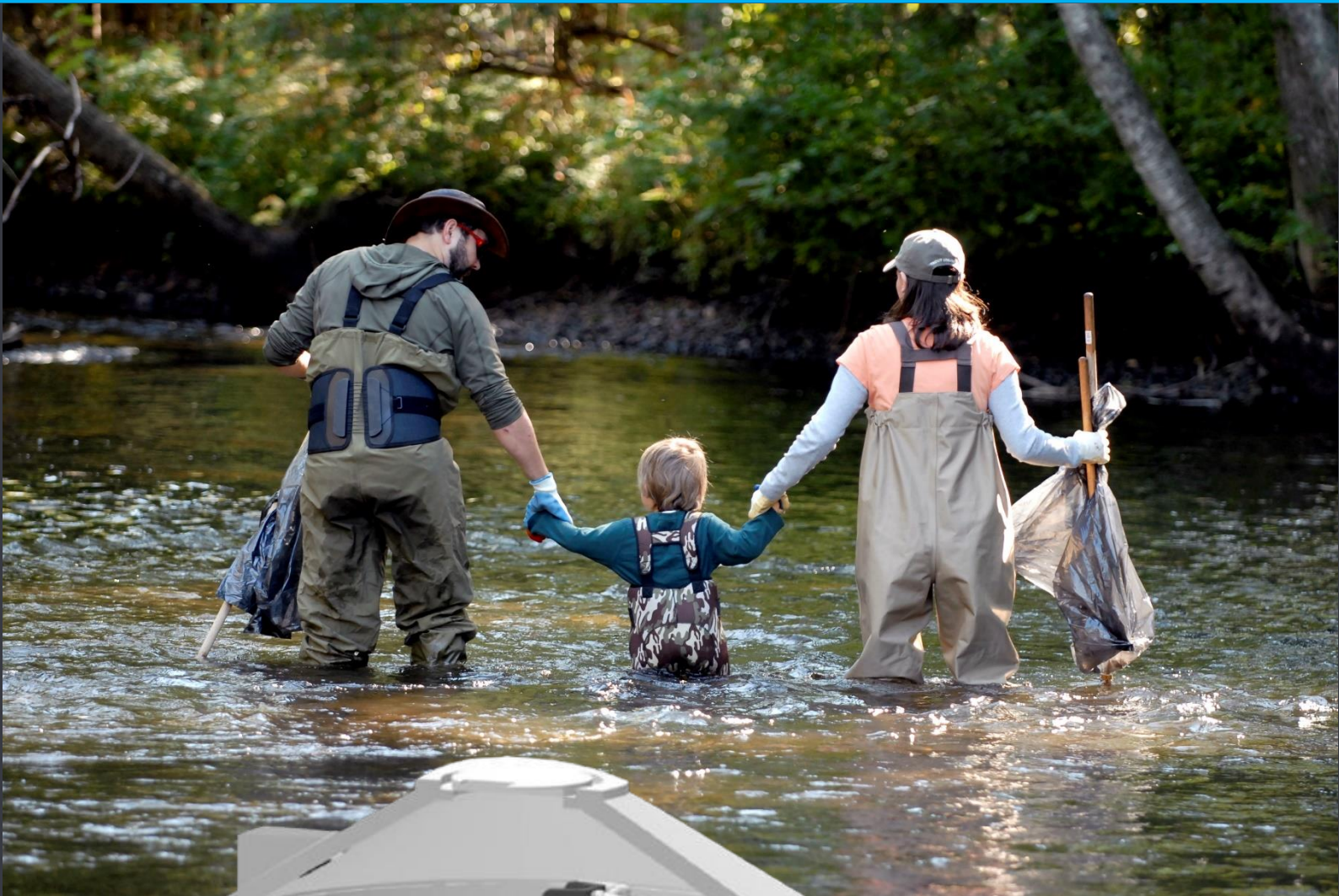




Wastewater | Sewage | Air Treatment Solutions



Aquaflu Lanka Pvt. Ltd.
No. 121/B1/1
Chilaw Road,
Negombo, Sri Lanka

Office : 031 332 2253
Mobile : 071 481 9398
 071 405 2829
Email : info@aquafllu.lk
Web : www.aquafllu.lk

Aqua for *life*

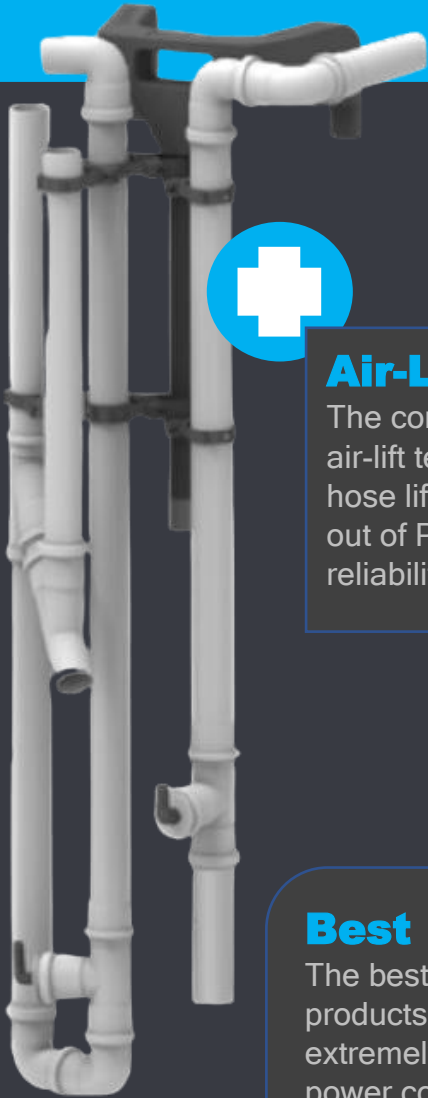


German Water
Partnership



Central Environment
Authority

Technological Advantages



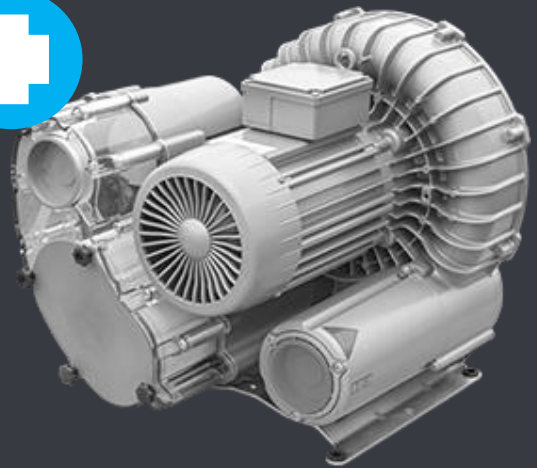
Air-Lift Technology

The conventional submersible pumping mechanism replaced by the air-lift technology. Compressed air comes through the pressure hose lift and discharge the water. There are no metal parts, made out of PVC, no electricity requirement will ensure the safety and reliability of the system.



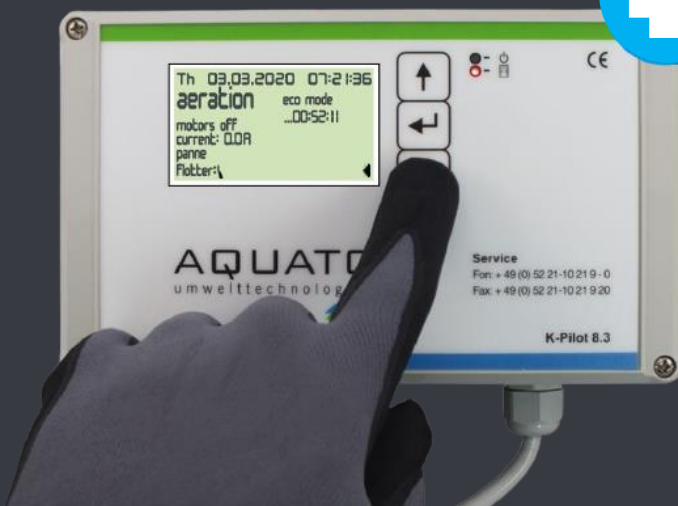
Best Brands

The best of breed European products built for hard run with extremely low noise and low power consumption. Quality conformity guarantees the CE standards for EEA.



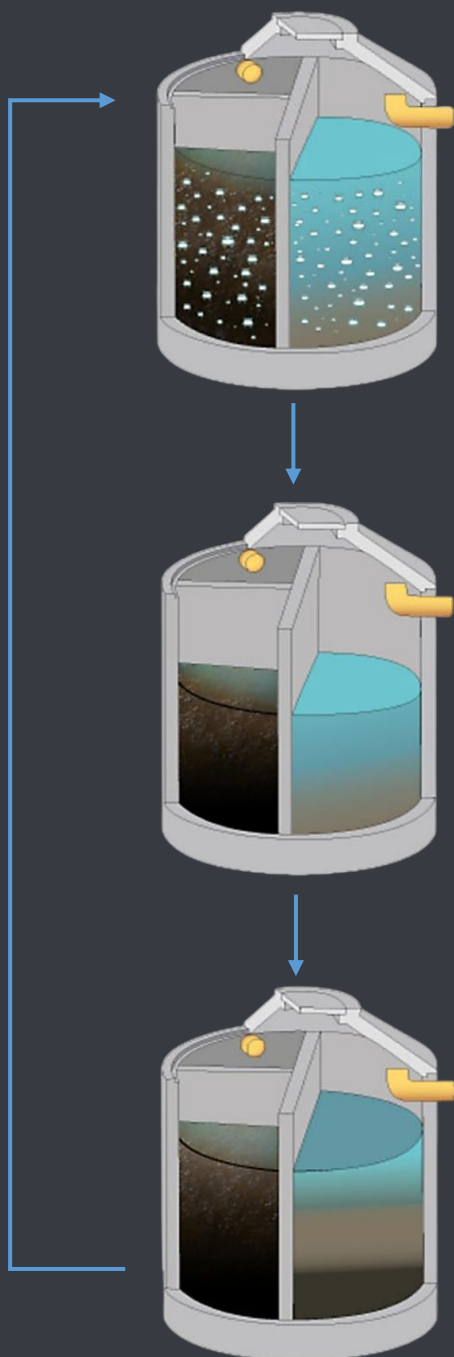
PLC Controlled

The entire system is fully automated and controlled by the PLC; thus, no human interaction is required. Everything can be monitored through the display. The re-programmable ability is useful in tweaking the parameters, helps save power and money.



Our sewer treatment plants are fully biological, designed upon the latest SSB® technology (sequential stabilizing activated sludge process) developed by AQUATO® Umwelttechnologien GmbH, Germany.

The 3-phases of the SSB® process can be operated in modern single- or multi-chamber tanks or easily, without major structural changes in existing older tanks. All steps in the plant are carried out on a regular cycle, which is set and driven by the control panel.



1. Aeration Phase

The incoming sewage initially reaches the first chamber. Here the biological treatment of the wastewater starts. Organic compounds are removed by microorganisms in the activated sludge. Optionally, the process of denitrification takes place here. In addition, coarse material is retained in the first chamber.

2. Sedimentation Phase

Biological treatment of the wastewater also takes place in the last chamber. In the same chamber but separated by time final sedimentation takes place. The activated sludge settles down to the ground of the aeration tank and the cleared water separates in the upper part of the tank.

3. Discharge Phase

The clearwater is pumped out of the tank through the outlet. Once the discharge phase is over, the cycle will continue to begin from phase 1.

For Industrial and Commercial Usage
capacity from 3000 L/day and up

AQUATO®
umwelttechnologien
STAbi-KOM | ORKA



Small Sewage Plants for households and small establishments
daily capacity up to 2000 liters



AQUATO®
umwelttechnologien
STAbi-S



ATB Puroo®



ECO friendly: fully biological, there is no chemical involvement in the entire process



ODOR-less: system is fully aerobic, thus no bad gases will be generated



SLUDGE-less: minimum sludge removals just for non-bio-degradable particles



PLC driven: fully automated, highly controllable and re-programmable, no operator required



HASSEL free: no submersible pumps, neither filter replacements and sludge removals



Low FOOTPRINT: comparatively, a 50% reduction of the size to a conventional system



High EFFICIENCY: generally, more than 96% reduction of BOD5/COD values

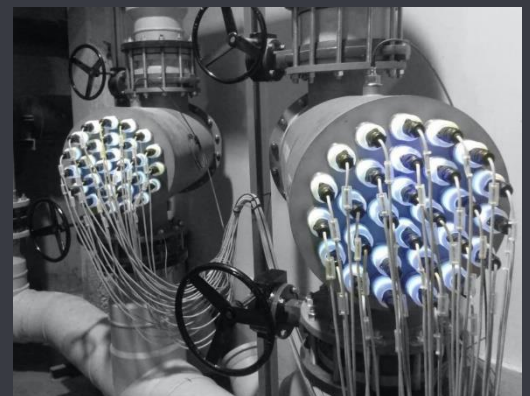
Water Disinfection Solutions

AOP

h2o.TITANIUM ADVANCED OXIDATION PROCESS

A chemical-free water purification & disinfection solution which eliminates micro-organisms, reduction of turbidity and odor without generating waste or by-products in the wastewater.

h2o.Titanium reactors manufactured from a single block of titanium dioxide (TiO₂) whose function is to generate hydroxyl radicals (.OH) to eliminate organic material when activated as a catalyzer by means of UV radiation. The mineralization of organic material in the water gives an indirect boost to its disinfection.



h2o.TITANIUM[®]
Fresh Radicals



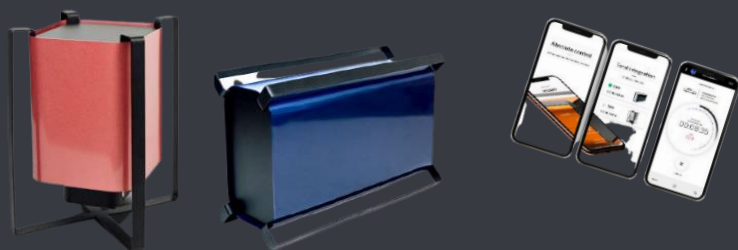
Benefits

- ⇒ Latest AOP technology
- ⇒ Simple and small unit
- ⇒ Long lasting
- ⇒ No chemical use
- ⇒ 100% ecological

TOTO and LION

OZONE disinfection

- Latest generation ozone disinfection that allows the total sanitization of air and surfaces
- Unique technology: double de-ozonization and oxygenation cycle, active carbon filters and ozone detector with measurement at real time. Simple, fast, safe, ecological and efficient.
- Full range to any corner of the area disinfect. A total sanitization without odours or stains.
- More security and greater comfort with the Wizard App.
- You can manage the machine and start cleaning cycles remote control via Bluetooth
- European standards and directives



SCARECROW

UV-C disinfection

Models

- Northern Fairy up to 40 m²
- Scarecrow 15 up to 250 m²
- Scarecrow 18 up to 500 m²
- UV-c Technology lamp
- HEPA H13 and Active carbon filters
- Ventilation control
- Low power consumption (36W-215W-315W)
- Weight 8.3-48-58Kg
- European Standards: EN 0068:2020 | 15858:2017
- European Directives: 2014/35/EU | 2014/30/EU | 2006/25/EC | 2011/65/EU



World Health
Organization

WIZARD

Physio Chemical Solutions

For industrial effluents which contain higher loads of non-bio-degradable pollutants, we offer home-grown alternative technologies based on Physio-Chemical principles. Different formulations of coagulants and Flocculants are applied in the process. Batch and continuous treatment mechanisms are designed to meet the regulatory discharged standards of authorities, and client preferences.



Incineration Solutions (for Solid Waste)

To handle the serious environment problem of accumulation of "Non-biodegradable" and "Hazardous" waste, we offer "Inciner8", a range of Incinerators from UK for all applications in the waste management industry such as Medical, Animal, General and Municipal etc. Our products are specifically designed with clean air incineration they are ideal for many industries. Our incinerators comply with many regulatory standards and are CE certified. Presence of the secondary chamber allows the Flue-gas treatment by preventing the cracking of dioxins.



▶ INCINER8

Ceramic Membrane Micro Filtration

Filtration/separation science is considered as one of the most important process or unit operation for the Modern mankind. Membrane is an important tool in separation science of which ceramic membrane is rightly termed as the 4th generation membrane as it is durable, efficient, and faster than existing polymer membrane or conventional filtration process.



KERASIEV®
KERASIEV® Ceramic Membrane

Aquablu Lanka Pvt. Ltd. is a Sri Lanka's leading waste management solutions provider led by a team of dedicated domain experts committed to eliminating potentially harmful and environmentally disruptive organic waste. We are a Central Environment Authority (CEA) registered company, deliver world-class solutions for eco-friendly waste management.

Our solutions include sludge less sewage disposal, Industrial waste-water filtration, Physio-chemical solutions, chemical free water disinfection and purification, solid waste disposal and Air purification and disinfection.

Our technologies are the latest and most effective in their industry, used internationally to obtain high discharge values of effluents. The flexible solutions can be customized to fit in to limited spaces, minimum monitoring and maintenance, economical and ease of assembly.

The solutions are well proven for Hotels, Condominium apartments, Factories, Food processing factories, Restaurants, Schools or any residential setups, which has limited space and in the need of high standards of discharged water.

We partner with Germany's Aquato® and ATB® for Sewage Treatment Plants, Kerasiev® for ceramic filtration membranes, h2o.TITANIUM from Spain for chemical free water disinfection solutions, Wizard Technologies from Spain for Air disinfection solutions and with UK's Inciner8 for thermal destruction & disposal solutions.

Technological Partners

AQUATO®
umwelttechnologien

ATB

h2o.TITANIUM®
Fresh Radicals

WIZARD

INCINER8

KERASIEV®
KERASIEV® Ceramic Membrane

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German Water
Partnership



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