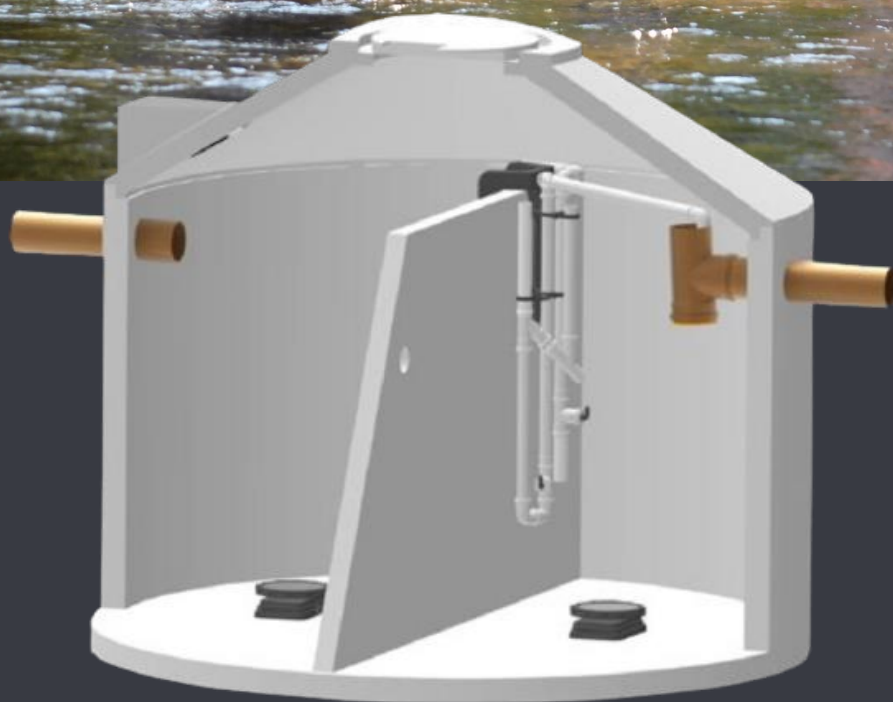
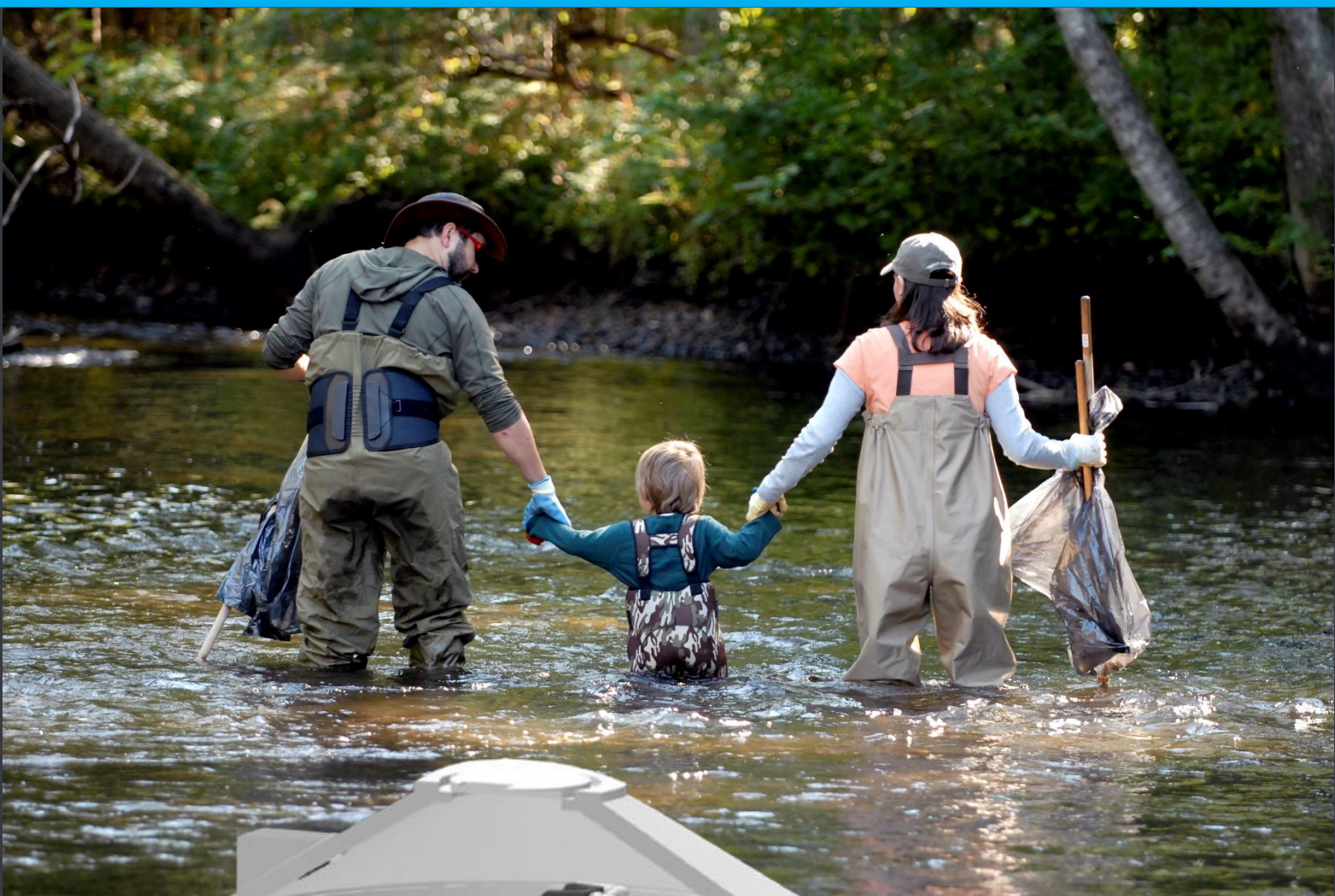


Aquablu

Wastewater Treatment Solutions



Aquablu 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@aquablu.lk
Web : www.aquablu.lk

Aqua for *life*



German Water
Partnership



Central Environment
Authority

Technological Advantages



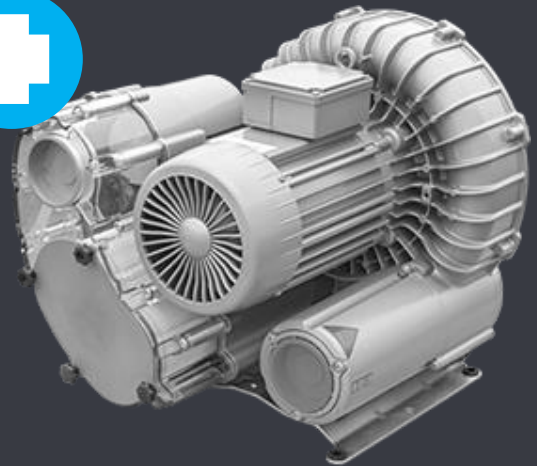
Air-Lift Technology

The conventional submersible pumping mechanism replaced by the air-lift technology. Simply, the compressed air comes through the pressure hoses lift and discharge the water inside. Absence of metal / mechanical parts along with NO underwater electricity requirement will ensure the safety and reliability of the system.



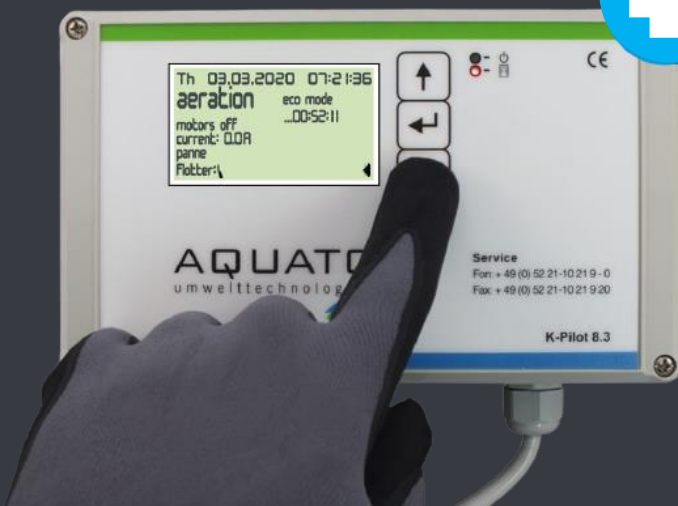
Best Brands

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

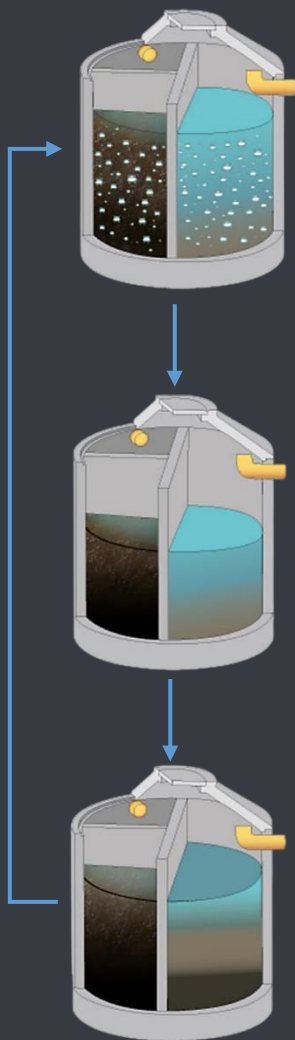
The entire system is fully automated and PLC controlled; thus, no human interaction is required. Everything can be monitored through the display. The re-programmable ability is useful in tweaking the parameters according to the usage, which greatly helps in saving the power utilization.



The Process - SSB[®]

Our sewage 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.

Sewage Treatment Plants

Models & Brands

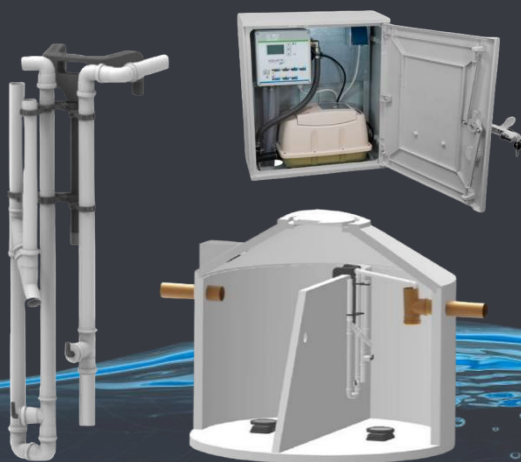
For Industrial and Commercial Usage
capacity from 3000 L/day and up

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®

System Benefits



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

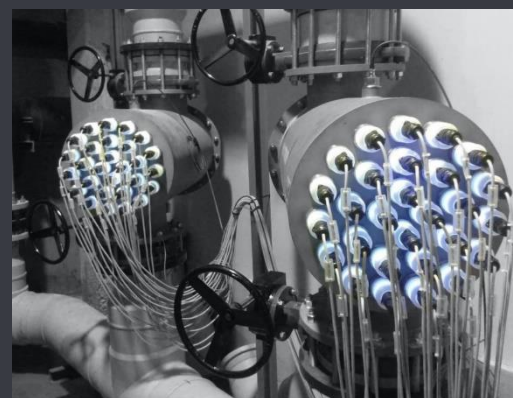
Disinfection Solutions

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.



Benefits

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



h2o.TITANIUM®
Fresh Radicals

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 fully biological sewage treatment, Industrial waste-water filtration, physio-chemical treatment, chemical free water disinfection and purification.

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 AOP systems.



Technological Partners



Contact Details

Aquablu 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@aquablu.lk
Web : www.aquablu.lk



German Water
Partnership



Central Environment
Authority

Aqua for *life*