



Bluetector

We focus on the niche market of problematic and difficult wastewaters. There is currently no product on the market to clean such wastewaters. Today's fix is to transport these difficult wastewaters with special trucks over long distances and discharge the water into a municipal treatment plant - at extremely high costs. But despite the high discharge fees - more and more treatment plants are starting to refuse problematic wastewaters.

The BlueBox has been designed for difficult and problematic wastewater and enables our clients to easily treat their wastewater on their own site, saving money and time on their transport and discharge costs. And ensuring that our clients can get rid of their problematic wastewater.

What is difficult wastewater?



Difficult and problematic wastewater is characterized by its extremely high concentration of pollutants. It is forbidden to discharge such wastewater into the sewer system. It therefore has to be transported by special trucks to a large treatment plant. If the treatment plant is big enough the problematic wastewater is strongly diluted by other "normal" wastewater, resulting in a proper treatment.

Typically Chemical Oxygen Demand (COD) and Ammonia (NH₄-N) are up to 100 x more concentrated than normal wastewater, and the pH value is much too high for a standard biological treatment to work.

Examples of difficult wastewaters are pig manure and the wastewater from rental toilet cabins.

High-tech water treatment



The only way to treat highly concentrated or problematic wastewater is to use a technologically advanced treatment system that is powerful enough to treat a variety of compounds.

For the first time, a complete biological treatment of such highly concentrated wastewater is possible by using the BlueBox Ultra. Our treatment system is able to clean the wastewater in its original form - without requiring any dilution.

Being able to apply a biological water treatment results in much lower operating costs compared to systems that use reverse osmosis filtration or other energy-intensive purification methods.

The complete wastewater is 100% treated, and all the treated water can be either discharged into the sewer or into a receiving water.

Remote monitoring & control



Each BlueBox runs 24/7 and is packed with high-tech that lets our clients monitor and control the function of the complete system very easily.

Through the integrated Internet connection the clients can check that their system works properly from anywhere with their phones or iPads.

In addition, each BlueBox system is monitored around the clock by our company's specialized technicians. Bluetector monitors every BlueBox and controls each single component of the system and remotely makes all necessary adjustments.

Thereby Bluetector can assure that the wastewater treatment process is always working flawlessly.

Market leader plans roll-out



The world market leader in rental toilet cabins, active in 33 countries and achieving annual revenues of over 300m CHF, is already using the BlueBox system at a site in Switzerland and is planning to roll out the system to over 100 sites internationally.

Bluetector has already signed several additional multi-year rental contracts with this client, each contract valued at half a million CHF.

This client has been searching for a reliable solution to treat his wastewater for years, without any success.

Bluetector is the only company that is able to treat the extremely difficult wastewater of rental toilet cabins.

Wastewater as a Service



Bluetector's business model is based on "Wastewater as a Service". Our clients are not required to buy a system from us, they sign multi-year rental contracts and only pay a fee based on the quantity of their treated wastewater.

The production costs of a BlueBox system are 250'000 CHF. Every installed BlueBox generates yearly revenues of 100'000 CHF. Over its lifetime a system generates 2m CHF in revenues for Bluetector.

With only six BlueBoxes installed at our clients, Bluetector becomes cash flow positive. With the signed contracts and options with the market leader in rental toilet cabins, it's now all about assembling and delivering the next systems in order to reach the short term goal of becoming cash flow positive.