



Aquamake

Toilet water recirculating system to reuse wastewater in a closed loop.

Eiwa Land Environment Co., Ltd. www.ecoeiwa.co.jp

The company started with civil engineering design and surveying activities. Since 1996, it develops sustainable environment solutions to purify and remediate the environment.

Aquamake enables flush toilets in places where the discharge permission will not be accorded, water is scarce, and/or sewage network is not available. Aquamake water recirculating system is a closed system so it is exempt from septic tanks regulations.

The micro treatment station takes advantage of anaerobic treatment to reduce the sludge volume while the treated water has BOD of less than 5 ppm, more than 90% COD reduction with more than 95% SS removal rate. It is a closed loop system so all wastewater can be reused. It uses oyster shells as biofilter medium that has a high microbial affinity and is a continuous alkalinity source. The maintenance is required once a year on average. It can be installed above ground or underground.

More than 5000 units are installed in Japanese natural reserves and national parks as well as remote facilities such as hotels, hospitals, schools, retirement homes, and many commercial facilities. It is also a great solution for holiday destinations where the usage frequency is seasonal.

