

Established

1999

Headquarters

Zoetermeer, The Netherlands

Sub-sector

Water solutions

Applications

Lakes, drinking water reservoirs, industrial reservoirs, water treatment plants, wastewater lagoons and cooling towers



Global coverage



Offering Innovative Solutions to the Water Industry

LG Sonic is a Dutch, privately owned company with the mission to eliminate harmful chemicals in the environment. Therefore, the company developed a chemical-free technology that controls algae and prevents biofouling growth in lakes, reservoirs, treatment plants, and other applications by making use of specific ultrasonic sound waves. LG Sonic works together with different European Universities and Research institutes, many of which are European funded research and development projects.

More than 15 years of experience in applying ultrasound technology to control algae and biofouling

Track Record

- ✔ Coordinator of several European FP7 projects: ClearWater PMPC and Dronic: Development of water drones to target and control algal blooms (€3.2 million)
- ✔ Official Innovation Partner of American Water, U.S. largest water and wastewater utility
- ✔ Winner of several innovation awards: Aquatech Innovation Award (2015), Global TAG excellence award (2015), WssTP Water Innovation Award (2014)

Our Innovation Awards



Aquatech Innovation Award



Global TAG Excellence Award



Shell LiveWIRE Award



WssTP Water Innovation Award



LG Sonic products provide an environmentally friendly solution to effectively control algae and biofouling in lakes, reservoirs, treatment plants, and other applications.



Algae Control

Algae cause problems when blooming in lakes and water reservoirs such as damage to filters / pumps and losses in recreational use.

- ✓ Eliminate up to 90% of the existing algae
- ✓ Prevent the growth of new algae
- ✓ Reduce TSS, BOD and chemical consumption

Applications: Lakes, dams, drinking water reservoirs, irrigation reservoirs and wastewater lagoons.



Biofouling Prevention

Biofouling can result in negative side effects such as increased chemical consumption, corrosion and health and safety implications.

- ✓ Prevent the growth of biofouling
- ✓ Multiple ultrasonic programs
- ✓ Calibration of the ultrasound based on the material

Applications: Cooling towers, heat exchangers, pipes water treatment plants, sea chests and maritime vessels.

Over 10,000 LG Sonic products have been successfully installed in a wide range of applications in 52 countries worldwide

LG Sonic works together with top-level water utilities

