



Algae Control in Ponds

- ✔ Eliminate up to 70-90% of the algae
- ✔ Reduce taste and odor problems
- ✔ Safe for fish, plants and other aquatic life

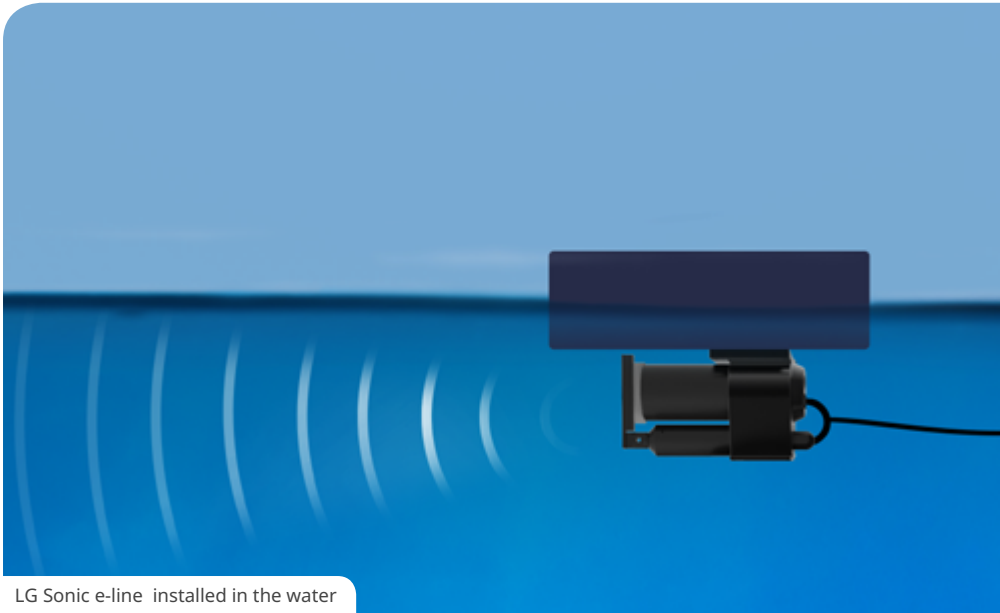
Algae Control in Ponds

The LG Sonic e-line provides an environmentally friendly solution to algae control through the use of ultrasonic sound waves.

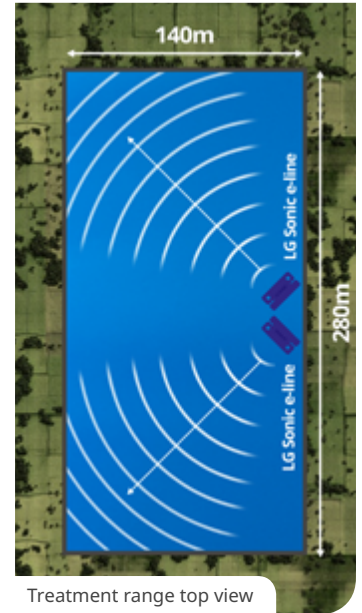
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Control Algae with Ultrasound

Specific ultrasonic sound waves based on Chameleon Technology™ can be used to control algae in ponds.



LG Sonic e-line installed in the water



Treatment range top view

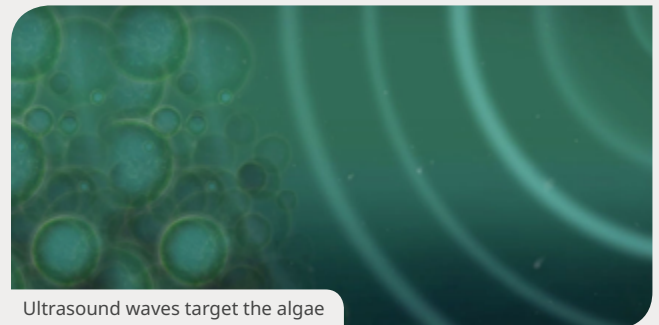
Each LG Sonic e-line system has an ultrasonic treatment range of up to 200 meters (650 feet)

How Ultrasound Targets Algae

Specific ultrasonic frequencies, waveforms and amplitudes can be utilised to directly target algae.

1. Ultrasound waves create a sound layer in the top layer of the water
2. The sound layer has a direct impact on the buoyancy of the algae
3. The algae cells sink to the bottom where they are unable to photosynthesize and eventually die due to a lack of light

LG Sonic products have been tested by various universities and are proven to be safe for fish, plants, zooplankton, and insects.



Ultrasound waves target the algae

[Learn more about ultrasound](#) 

LG Sonic Algae Control Products

LG Sonic e-line

The LG Sonic e-line can control algae using sound waves. The solution is to install one or multiple systems that transmit specific ultrasonic parameters depending on the type of algae.

- ✔ Specific ultrasonic parameters control algae up to 90%
- ✔ Integrated Aquawiper™ automatically cleans the ultrasonic transmitter
- ✔ Possible to treat multiple curved tanks or water surfaces with one control box



For larger water surfaces (from 200 meter/600 feet), LG Sonic offers the **MPC-Buoy solution**.

[Learn more about the LG Sonic e-line](#) →

Case study: Algae Control in Golf Course Pond

The challenge

The Lethbridge country club installed an LG Sonic e-line system in a golf course pond to control filamentous algae.

Applied product



LG Sonic e-line

Key results

- ✔ **90% reduction in filamentous algae**
- ✔ **Strong reduction in growth of the diatom Dydimo on the rocks in the pond**
- ✔ **Improved transparency of the water**

“Eliminated algae and increased the aesthetic appearance of the golf course pond”.

[Read case study](#) →

LG Sonic B.V.

Radonstraat 10
2718 TA
Zoetermeer
The Netherlands

T: 0031- 70 77 09030
F: 0031- 70 77 09039
www.lgsonic.com
info@lgsonic.com