ALGAE CONTROL AUSTRALIA

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PULSAR 4400 · PRODUCT OVERVIEW

Sustainable algae & biofilm control

Agriculture | Drinking water | Wastewater | Estates and lakes | Golf | Aquaculture | Industrial



Pulsar 4400

Precision algae and biofilm targeting



Our 4,400 ultrasonic frequencies precisely target harmful microorganisms, including green algae, golden algae (*Prymnesium parvum*), cyanobacteria (commonly known as blue-green algae), dinoflagellates and biofilm.



Before and after: toxic blue-green algae cleared from Harrietville dredge hole, VIC (9 Dec 2025 and 28 Aug 2026).

Algae Control Australia is a specialist provider of chemical-free algae and biofilm control, and the sole authorised distributor of SonicPure in Australia and the Asia-Pacific. SonicPure, our technology partner in the US, is a leading supplier of ultrasonic solutions that prevent and combat algae, restoring water to its natural state quickly and sustainably without harmful chemicals.

The Pulsar is the next generation in ultrasonic defence systems, designed for prevention, performance and reliability. Systems run 24/7, with telemetry and cloud connectivity for real-time monitoring of operational performance and water quality.

Options and configurations

Options



Shoreline Solar

Ideal power option where local power is inaccessible.



Sentinel and Sentinel AIQ+

For large sites where power is inaccessible and cables are prohibitive.



AC Power Hub

Shore-based power supply where AC power is available; 240 V AC, 24 V DC.



Telemetry

Water monitoring and telemetry, including on/off, restart, reboot, sync and measurement of operational performance and water-quality metrics.

Pulsar 4400	
Frequencies	Over 4,400
Transducers	4 at 90°
Algae targets (all units address biofilm)	Most cyanobacteria, green, blue-green and selective golden algae and dinoflagellates
Green algae target range	150 m radius (~7 ha)
Blue-green algae target range	400 m radius (~50 ha)
Biofilm target range	60 m radius (~1.1 ha)
Power options	240 V AC, 24 V DC, solar
Power connections	Single or dual units per power supply
Clarifier options	Available
Custom cable lengths	Optional
Warranty	Fresh water 3 years; salt water 1 year
Power consumption	30 W per Pulsar
Connectors	IP69
IQCloud telemetry: on/off, restart, reboot, sync and measurement of operational performance	Subscription
Sentinel AIQ+: everything above, plus	
IQCloud water-quality monitoring: chlorophyll-a, cyanobacteria, temperature, ORP, pH, DO, turbidity	Subscription
Power options	Solar (included)
Dual battery backup	Included

Before and after





Blue-green algae (cyanobacteria): Harrietville dredge hole, VIC, 9 December 2025 and 28 August 2026.





Blue-green surface scum: Olympic training centre basin, NSW, 10 and 16 April 2025.

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