

IGS WATER
A LIFE OF GIVING

We Provide

Water Solutions

Water Treatment | Wastewater Treatment | Water Management System

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IGS Asia Pacific,
Ground floor 470 St Kilda Rd
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ABOUT US:

IGS WATER (Intelli Global Solutions) is an Australian-based company focused on delivering smart, sustainable water treatment systems for land and water managers.

- We specialise in **nanobubble technology** and advanced water solutions that support:
- Healthier turf and soil biology
- Cleaner, more oxygenated water bodies
- Reduced reliance on chemical treatments
- Lower long-term maintenance and energy costs

Our clients include **golf courses, agricultural operations, local councils, equine and sports facilities, hydroponics, fisheries and dam or pond owners** seeking better water quality and landscape resilience.

Whether it's **boosting turf root health, restoring algae-affected ponds, or increasing irrigation water efficiency**, IGS WATER delivers results you can measure — naturally.

WHAT WE STAND FOR IGS

IGS Water stands for practical sustainability in water management. We are committed to applying technology responsibly to improve water quality, optimise resource use, and reduce environmental impact in water-intensive industries. Our approach prioritises measurable results, long-term thinking, and partnerships that enable more sustainable water operations — not just in theory, but in day today practice.

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OUR PRODUCTS:

Our main offerings mainly consist of water treatment solutions, including devices like Generators, Aerators, Water Filters, Electric Turf Equipment, Intelligent Sensors, and more. These products play a significant role in conserving water, as well as delivering improved water cleanliness and safety both residential and commercial areas.

NANOBUBBLE GENERATORS

Incorporated to help many industries such as drinking water, wastewater treatment, lake remediation (Algae control), hydroponics, aquaculture, turf industry and many more.





ELECTRIC LAWN MOWER

Engineered exclusively for Golf Turf, deliver championship - level cut quality and unmatched turf consistency.

LIGHTNING PROTECTION SYSTEM (WXLINE)

Minimize the potential for human error and function in severe weather and a lightning environment.



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More Information: https://www.igswater.com/products/nanobubble-generators/

Nanobubble Generator

Nanobubble technology is a technology that applies the shear resistance between the interface of an object and the adjacent area. The gas (e.g., oxygen) is split in a nano-sized bubbles by shear forces at the interface of the object which loses buoyancy of the bubbles that will rise to the surface, thereby keeping the dissolved gas concentration high in water.



*Nanobubble unit for laboratory



- Within the nanobubble generator, the dissolved oxygen concentration increases by 6 mg/L compared to the raw water, and the dissolved oxygen solubility is more than 180%.
- When used in water temperature of 28℃, dissolved oxygen can be maintained more than 14 mg/L with only air.
- Using oxygen in the nanobubble generator increases dissolved oxygen concentration to more than 44 mg/L.
- The sealed nano-bubble remains intact after 30 days, and the nano-bubble has frozen water It exists even after melting.

		Lab-Scale	003	005	010
Water Flow Rate		5~10L/min	3.0㎥/hr	5㎥/hr	10㎥/hr
Nano Bubble Size		Avg. 160nm			
Nano Bubble Ratio		> 99%			
Nano Bubble Duration	Atmospheric Pressure State	> 18hr			
	Sealed State	> 30days			
Usage Gas		Air, Oxygen, Ozone, etc.			
Oxygen Flow Rate		0.2~0.4L/min	1~2L/min	3~4L/min	4~6L/min
Oxygen Trasnfer Efficiency		65 ~ 85%			
Dissolved Oxygen Con.	Gas : Air	> 13mg/L (at 28 ℃)			
	Gas : Oxygen	> 40mg/L (at 28 ℃)			
Required Pump Pressure		> 4.0 kgf/㎠			
Dimensions(Incl. Gas Gen)		-	W600㎜ x L1000㎜ x H1400㎜		
Supply Voltage		110V~400V / 50, 60Hz			
Power	Pump	0.5~1.0kW	1.0~1.5kW	1.5~2.0kW	2.0~2.5kW
	Oxygen Generator	-	0.5kW	0.5kW	0.5kW
Materials	Pump	STS304 / STS316L (seawater)			
	Bubble Generator	STS304 / STS316 (seawater)			
	Housing	Al	STS304		
Pipe Connections Inlet, Outlet		Φ20	Φ25 ~ 32㎜		

※ Specifications are subject to change without notice.





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Electric Lawn Mower

Designed for warm, humid, high-growth turf. These products deliver ultra-quiet performance ideal for resort environments. Its advanced electric systems reduce fuel logistics and on-course emissions while supporting the sustainability goals of premium golf resorts. Offering a lower total cost of ownership than traditional diesel equipment, they also support your ESG and sustainability goals—combining precision, efficiency, and environmental responsibility in every cut. Perfectly suited for Europe, Southeast Asia, Korea, and Japan.



Greens Mower

- Precision greens mower for Golf and Sports Fields
- Height of cut: 1.6–8 mm
- Cutting width: 534 mm
- 48V 40Ah battery
- 3600 m^2 per charge
- Quiet, zero-emission operation



Triple Riding Greens Mower

- Ideal Diesel Replacement
- Triple riding mower for greens and rough
- Cutting width up to 1803 mm
- Runtime: 4–6 hours | Power: 14 kW



Quintuple Riding Greens Mower

- Designed for Large Championship Courses
- High-capacity quintuple greens mower
- Cutting width: 2540 mm | Power: 20 kW
- Battery: 51.2V 460Ah

Backpack Leaf Blower

- Electric Backpack Blower for Pathways & Greenways
- Airflow: 26 m^3/min | Wind speed: 80 m/s
- Noise level: 60 dB @ 20 m
- Lightweight, ergonomic design



Backpack Leaf Blower

- Electric Backpack Blower for Pathways & Greenways
- Airflow: 26 m^3/min | Wind speed: 80 m/s
- Noise level: 60 dB @ 20 m
- Lightweight, ergonomic design



Turbine Blower

- Ideal for Large Turf Areas and Debris Removal
- High-power electric turbine blower
- Airflow up to 450 m^3/min
- Runtime up to 14 hours



Bunker Rake

- Electric Bunker Rake for Sand Traps
- Working width: 1900 mm
- 48V $LiFePO_4$ battery | 5 kW motor
- Consistent finish with zero



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More Information: https://www.igswater.com/products/wxline/

Lightning Protection System (WxLine)

Critical safety, warning, and protection equipment must function reliably when needed most. Wxline designs systems minimize the potential for human error and function in severe weather and a lightning environment — immune to power outages, loss of internet, loss of cell phone service, and loss of personal computers.



Lightning Detection System

Designed for critical applications, Strike Guard monitors cloud and cloud-to-ground lightning and provides contact-closure signaling at user-set lightning activity thresholds.

Strike View Software

Strike View helps users analyse storm progression, categorize lightning information, and estimate the time to resume operations.

Sequencer

WAVE Sequencer receives RF Transmitter messages and provides three outputs to control relays/contactors appropriate for managing the loads represented by pumps, irrigation systems, and other critical equipment.

CAPB (Critical Asset Protection Bulkhead)

Toro CAPB protection system

Rain Bird CAPB (active lighting protection)

WxEIB

Protect your equipment and streamline installations by having equipment factory- installed in a Wxline Equipment Indoor Bulkhead (WxEIB).

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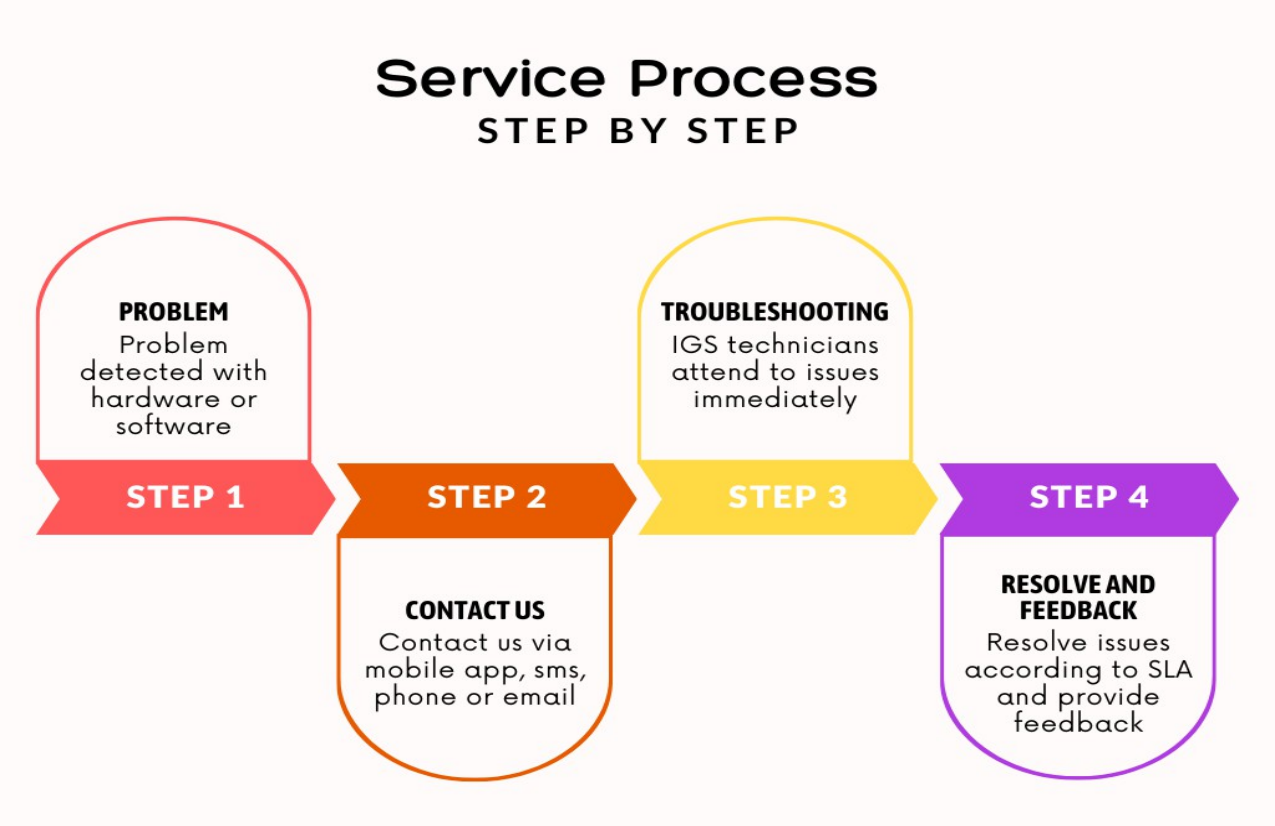
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SERVICES:

FAST, EFFECTIVE, PERSONALISED REMOTE TECHNICAL SUPPORT

IGS offers water management backup solutions and provide remote support to clients around the globe in the most effective way.
Our service can be tailored towards customers' unique situation and needs.



- Direct assistance to end users via messenger service
- Remote backup management
- Service issue logging system
- No Fix No Fee policy
- Complimentary remote training on water management system
- Sensor integration option
- 10% discount on water treatment products
- After-hours support
- Regular system health checks

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Our Locations

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