

# Installation

## Installation Images

Transducer with Footprint



Transducer without Footprint



### CleanAHull Transducer Mounting Process

Surface is prepared with 60Grit/Grade sand paper and surfaces are cleaned with acetone. The provided Epoxy is mixed thoroughly and a thick layer is spread onto Footprint base. Footprint is pressed into position; some tape can be used to hold. Allow 24Hours, for full bond cure, before installing CleanAHull Transducer.



Mixed JB Weld Adhesive is applied to the base of the Footprint and the Footprint is pressed into position.



Carefully clean top of Footprint and tape down until JB Weld Adhesive has cured.



loctite 515 is applied to the face of the transducer.



Transducer is installed onto Footprint as tightly as possible by hand

# Suitability

## Ultrasonic Antifouling Suitability

Ultrasonic Antifouling is suitable for almost all Vessel hull construction types including; Aluminium, Steel, Fiber Glass (GRP), Kevlar & Carbon Fiber. Ultrasonic Antifouling works to greatly extend the life of Existing Antifoul / Bottom Paint coatings.

There are some hull construction materials and methods of manufacture that are not suitable for Ultrasonic Antifouling. These include; Wood, Ferro Cement.

Installation into Foam / Cored GRP Vessels is possible however will require some minor hull alterations for Transducer mounting.

Transducers are In Hull mounted, no holes are required. The Success of Ultrasonic Antifouling is dependent on the correct positioning of Ultrasonic Antifouling Transducers and supply of uninterrupted power supply to ensure consistent operation.

Contact us or your local dealer for more information on your specific situation. Our team will assist however possible with getting your hull protected.

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Your Local Dealer / Installer



# CleanAHull

## Ultrasonic Antifouling Systems

**Advanced Ultrasonic Antifouling System  
Destroys Algae & Prevents Barnacles.  
Keep your Hull & Running Gear clean from growth.**

**Is Your Antifoul Paint Coating  
not lasting the distance?**

**CleanAHull Ultrasonic Antifouling  
will last the distance..**



Destroys Algae  
Prevents Barnacles  
Improves Performance  
Improves Fuel Economy  
Extends the life of Antifoul  
Reduced Haul Outs  
Improves Efficiency  
Reduces Running Costs  
Simple Install. No Holes!  
Environmentally Friendly



[www.CleanAHull.com.au](http://www.CleanAHull.com.au)

# CleanAHull - How It Works?

## Ultrasonic Antifouling and how it works to protect your vessel

Ultrasonic Antifouling has been used in industry for many years and has only recently, through our extensive development over the last 4-5 years, been properly adapted for use on Marine vessels. The CleanAHull device outputs a refined automated program of short ultrasonic wave burst signals through the Ultrasonic Transducer(s) which are mounted to your hull. This transducer emits specific digital low power frequencies which are beyond the hearing range of humans. The Ultrasonic Sound waves are emitted through your hull to generate a barrier at a microscopic level of moving water molecules throughout the submerged hull area which destroys the food source, algae. Thus preventing unwanted sea growth from forming on your hull.

# Advanced Technology

## CleanAHull - Intelligent Technology Built-in



Our system uses an advanced digital micro controlled program, monitoring a myriad of internal sensors to ensure the best protection. 100% Automated for zero user configuration requirements.

Everything from current to temperature is monitored thousands of times a second

# Quality Australian Made

Designed and Manufactured in Australia



Years of in house development, real world testing and real results from our proven technology bring you CleanAHull. The most advanced, feature rich, robust, successful and self reliant Ultrasonic Antifouling system ever invented. Australian ingenuity at it's best.

## Diverse Testing Ground

No other Continent in the world can provide a more diverse testing environment for the success of an Ultrasonic Antifouling system. From Tropical Equatorial waters to Antarctic Currents. The CleanAHull System is proven to work in all environments.

# Key Benefits

## CleanAHull System



### !Blast! Function

Advanced Ultrasonic !Blast! Function, provides enhanced protection in all climates.

### LCD Display - Realtime Status

Realtime Status displayed on the built in LCD. Displaying System status, current, battery voltage, internal output state and more.



### Multiple Transducer Output

2 (Double) and 4 (Quad) Transducer Output system options

### 12V or 24V - Automatic

Low Voltage Input for safety, durability, reliability and simplicity. Automatic 12 or 24V input.



### Targeted Protection

Hull, Running Gear, Prop, Rudder, IPS Drive, Stern Drive, Sea Chest, Seawater Piping, Sea Strainer, Thruster, Stabilizer & more.

### Temperature Compensation

Dynamic temperature control for long life and enhanced protection



### Low Power Consumption / Battery Monitoring

Built-in smarts for reduced power consumption & low battery protection

### Advanced Current Monitoring

Output current monitoring for consistent controlled protection

### Smart Technology - Zero Configuration

Advanced Self Monitoring program for ultimate protection

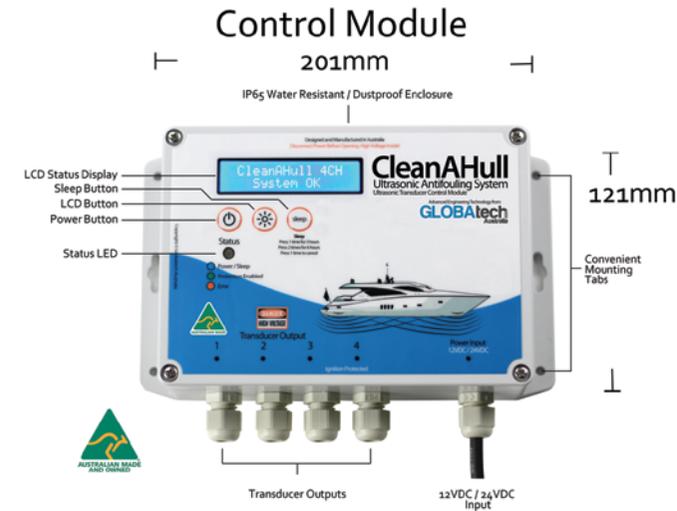
### Advanced Transducer Design

In-house Designed transducer for improved efficiency & up to 30% more output for the same or less input than the competition

### Vessel Suitability

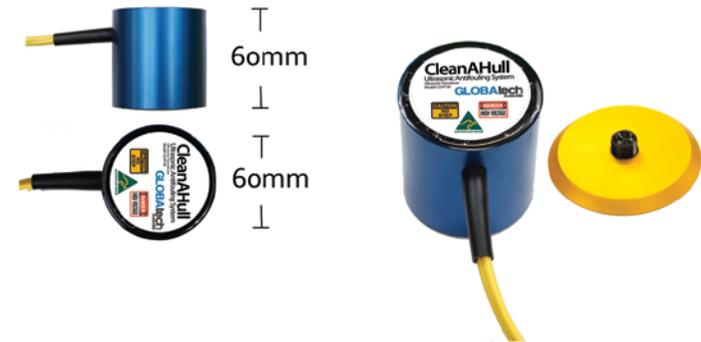
Scalable for any size vessel configuration, GRP Fiber Glass, Carbon Fiber, Kevlar, Steel or Aluminium.

# Product Overview



## CleanAHull Ultrasonic Transducer

### Marine Grade Anodised IP68 Enclosure



## Mounting Footprint

Marine Grade Anodised Mounting Footprint

