



# SeaBis

*exclusively prevents electrolysis corrosion*

### How Do We Do It?

The SeaBis System uses a microprocessor (very small dedicated computer) to identify the causes then Process of Elimination instructions, make all wet fittings electrically open circuit. In Home terms we pull the electrical plug out of the socket. Now no electrolysis can flow. Your vessel and equipment are immune.



### How Do I Use SeaBis?

SeaBis is connected to the battery and wet metal -the engine or hull

The lights indicate the level of electrolysis. Wires are disconnected in pairs until SeaBis indicates Normal. Once identified, Process of Elimination instructions, supplied with SeaBis complete the process.

### How Many SeaBis Do I Need?

Most vessels need only one SeaBis. Where one engine can connect to any number of batteries/banks then one SeaBis is adequate. Two totally independent engines - two SeaBis. A Surveyor, Electrician or for an entire Marina - one SeaBis Marina System.

**Remember:** One wire as thick as a human hair carries 0.1 amp. This is vastly greater than the electrolysis that will cause visible corrosion in 3 months. So use SeaBis to eliminate every cause - including the Cabin wiring.

SeaBis is the registered trademark of

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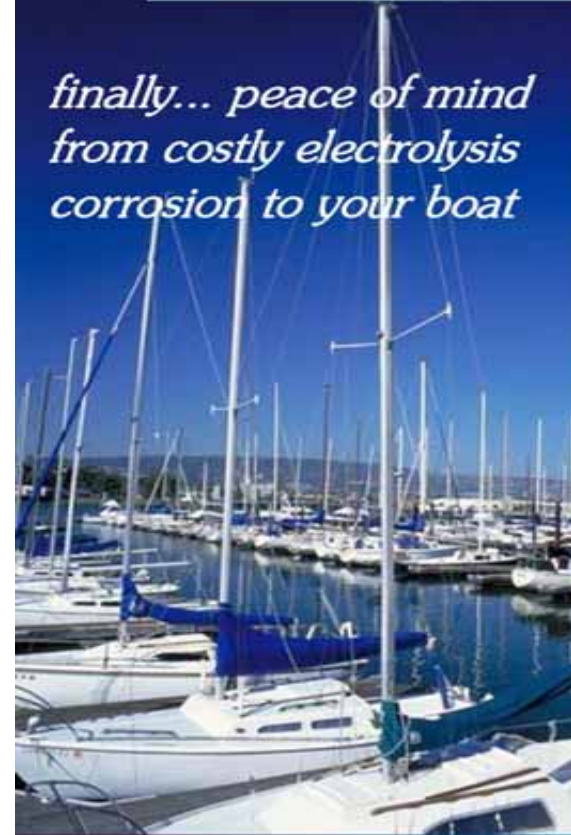
[www.seabis.com.au](http://www.seabis.com.au)



# SeaBis

*exclusively prevents electrolysis corrosion*

*finally... peace of mind  
from costly electrolysis  
corrosion to your boat*



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



Now you can protect your vessel from the devastating effects of **electrolysis corrosion**. Electrolysis Corrosion by electrolytic action has two causes Galvanic and true electrolysis corrosion.



**1. Galvanic corrosion** is caused by the natural voltage between two different metals in water. It is limited by use of sacrificial anodes. A 1 kilogram block of zinc produces 1 millionth of an amp of good current. So is easily swamped by electrolysis current.

**2. Electrolysis corrosion** is 1,000 to 10,000 greater ferocity than galvanic corrosion. It flows between the vessel, seabed, other vessels and moorings. Electrolysis can only be eliminated by the SeaBis System. When completed your vessel cannot generate electrolysis and is immune to it - permanently. When the SeaBis System is completed, wet metal will not be depleted by electrolysis, anodes can work as designed and their life will be doubled.

The SeaBis System identifies and eliminates the cause. SeaBis is used with full power applied. So the cause is rectified at the time it occurs - during actual use.

#### Causes of electrolysis corrosion:

**1.** Batteries on vessels within 150 meters and the seabed create electrolysis 24 hours every day, permanently. They are by far the greatest source of electrolysis. SeaBis and Process of Elimination instructions, will protect your vessel from electrolysis corrosion.

**2.** Shore mains AC connection creating a DC path between boats, is only present while at least two vessels are actually plugged into shore mains and the SeaBis System not used. When SeaBis System is applied the hull, engine and all wet metal are open circuit (in home terms the electrical plug is pulled out of the wall socket). No electrolysis can occur.

The SeaBis System indicates as traffic lights:

**Caution**, amber - electrolysis corrosion will be barely visible in 12 months.

Installation is easy: Battery positive, negative and wet metal.

Options are available, where necessary, to isolate the cause/s.



**Normal**, green - it is absolutely safe, no electrolysis corrosion is occurring.

**Serious**, red - electrolysis corrosion will be visible in 6 months.

**Critical**, flashing red, - electrolysis corrosion will be visible in 3 months.

On line advice included with purchase of the SeaBis System

Sure Anodes will assist, however they can only take a thousandth of the electrolysis. Blockers, if costing more than \$600 will stop the shore mains Earth path but not the Neutral, Active or the water. The water carries at least 90% of the electrolysis. Surface coatings become porous with time and abrasion from underwater objects. Multimeters are easily fooled by electrolysis.

**The SeaBis System eliminates all causes - guaranteed - in writing: [www.seabis.com.au/guarantee.html](http://www.seabis.com.au/guarantee.html)**