

Fuel Savings You Can Count On

The Advanced Fuel Management System (AFMS) from Global Marine Consulting is renowned in the industry, not only for the unique benefits it provides commercial and recreational vessels, but for unparalleled technology and service delivered by marine experts.

About Hydro-Box

Hydro-Box™ Advanced Fuel Cell Systems are the most technologically advanced fuel reduction systems in the industry. We have set the maritime standards for on-board hydrogen fuel production systems, data management, and installation that go above and beyond any currently published standards or regulation by any governing body or maritime organization such as ABYC, USCG, BV, CE, and PVA, to mention a few.



Hydro-Box Marine Series System Benefits:

- Increase Fuel Efficiency up to 30%
- Reduce Exhaust Emissions up to 70%
- Reduce Soot in Engine Lube Oil
- Improve Diesel Fuel Combustion
- Smoother Running Engines
- Longer Engine Life
- Reduce Maintenance and Repair Costs
- Environmentally Responsible
- Fast Return-on-Investment

Proven Fuel Cell Design --- Unique cell design uses 60% less electrolyte than competitive systems. Proprietary cell design eliminates any potential leaks.

Real Time Fuel Consumption Data --- With the combination of top of the line direct measurement and differential flow meters, an easy to read user interface and reporting tools you will be on top of your fuel consumption whether you are the captain of a ship or owner of a whole fleet.

Fast Return-On-Investment --- Up to a 30% fuel savings is possible in certain conditions. In some cases ROI can be measured in weeks.

Smaller Carbon Footprint --- Less fuel consumptions means less harmful exhaust emissions. **Hydro-Box** can further reduce exhaust emissions by as much as 70%, and in some cases as much as 90%

"Marketing Gold" --- Companies that implement "Green" practices gain a marketable advantage over the competition through their commitment to the doing the right thing for the environment.



Hydro-Box and BlueFlow – Fuel Savings You Can Count On

In the overall quest for improving a vessel's fuel efficiency it is necessary to measure and analyze the vessel's overall baseline performance. With the technology of **Hydro-Box™** and **BlueFlow** it is now possible to establish the necessary baselines and make all the improvements while measuring and calculating the results. Not only can adding **Hydro-Box™** measure vessel operations, the operator's effect on the vessel can also be observed. **Hydro-Box™** also allows for the measurement of the effectiveness of fuel and oil additives and the efficiency of propellers and bottom paints. Commercial vessels such as towboats and fishing trawlers can evaluate fuel consumption to their tow and conditions.



There is no question that adding hydroxy gas to a diesel engine has a number of advantages and benefits. The hydroxy mixes with the diesel fuel and creates a more complete burn providing better combustion. More combustion means more of the diesel fuel burned providing more horsepower and less exhaust emissions. With more of the diesel fuel burned you also have less soot that creates havoc on the engine lube oil. With less soot and carbon in the lube oil there is less wear in the engine for extended longevity. Another advantage is, in some cases, the diesel fuel is not the highest of quality so the hydroxy simply increases its value, much like adding a high octane additive to poor quality gasoline.

With ever increasing costs of fuel and constant concerns of exhaust emissions on our environment, the best solution to both these problems is **Hydro-Box**. Cleaner air and the reduction of Nox and Co2 emissions is a large concern worldwide. Refining the scientific method of the electrolysis of water and introducing this to diesel engines provides a simplified way to make diesel engines more efficient today and for the future!

“Green” PR and marketing benefits!

When you say “my company is going green”, you can actually have those words mean something! Products and Systems provided by **Global Marine Consulting, Inc.**, gives your business the ability to say you are not only using the most environmentally responsible equipment and materials but also reducing exhaust emissions and environmental pollution. This is **“marketing gold”** for your company and vessels in this day and age! Companies that implement “Green” practices gain a noticeable market share advantage over the competition through their commitment to environmental responsibility.

Other Global Marine Products

Oil By-Pass Filtration System ---

Engine oil lasts up to 5 times longer under certain conditions and perhaps longer as the oil sample and lab analysis dictates. By removing the impurities which directly and indirectly cause damage, the engine life is dramatically extended. Save up to 80% of your lube oil expense.

BlueFlow Fuel Analyzer ---

Manage a vessel or a fleet from a browser in your office. Generate accurate reports, analyze routes, find deviances and track the fleet on a map. Fuel Analyzer is the most powerful on-line service available to control your largest overhead expenses. Call for a free on-line demonstration and see this powerful system in action!

Contact us for a fast FREE quote today!

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