

# Marine Energizer Systems for Fuel and Water

## Data Sheet

- Reduce fuel consumption
- Increase engine performance
- Eliminate scale and corrosion
- No external power source required
- Environmentally safe
- Easy installation
- Affordable, cost effective

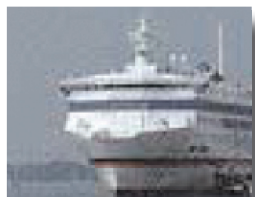
The Marine Energizer System breaks up and fully atomizes the natural fuel clusters giving high-performance combustion, fuel savings and emission reductions.



The Magnetizer Marine Energizer aides in balancing PH and eliminating scale formation. Existing scale and corrosion are eliminated by increased hydration and buffering. This eliminates costly maintenance, chemical and equipment replacement.

## Fuel Benefits

- Increase fuel efficiency
- Increase engine performance
- Eliminate algae in fuel tanks
- Keep two stroke fuel fully mixed and atomized
- Promote full fuel viscosity-prevent fuel jelling



## Water Benefits

- Eliminate scale and corrosion in boilers, exchangers, cooling systems, bilge and water tanks
- Decrease or eliminate chemical additives
- Prolong equipment life
- Environmentally friendly



## Applications

- Pleasure craft
- Ocean liners
- Fishing fleets
- Hovercraft
- Oil tankers



## Technical Principles

Magnetic fuel treatment is a non-linear phenomena, meaning that very specific magnetic intensities are required to optimally treat alkane (linear chain) fuel and aromatic (benzene ring) fuel. Designs requirements involve not only discrete magnetic intensities for fuel treatment, but also magnetic dwell time and magnetic permeability of the fuel conduit in order to obtain stoichiometric fuel combustion.

From a spectromagnetic analysis of the combustion of natural gas (methane) it has been determined that magnetic fields have the ability to increase the luminal intensity of the 360 nanometer ultraviolet spectra. This increase in spectral activity parallels an increase in combustion efficiency. Combustion efficiency, of course, is directly proportioned to reduction of emissions as well as reduction of fuel required to produce a desired combustion event.

Visit technical papers at [magnetizer.com](http://magnetizer.com) and browse to "Introduction to the Magnetic Treatment of Fuel" for more info.