

An Economical Invention Overcomes Oil Price Hike and Pollution

Makes all trucks, cars, suv's, diesel power generators save fuel, reduce emissions. Certified by two leading vehicles and engines manufacturers in the Philippines-Mitsubishi motors and Isuzu motors.

([PRWEB](#)) March 30, 2005 -- The World's first all fuel electronic catalytic convertor cum onboard fuel synthesizer for making the diesel, bio-diesel, marine diesel, turbine fuel and the gasoline (both leaded and unleaded) hydrogen rich for enabling enhanced combustion through plasma catalysis for giving reduced emissions, improved fuel economy and enhanced engine performance is now available for export to all countries in bulk quantities.

The hydrodrive electronic catalytic convertor cum onboard fuel synthesizer for all fuels and all makes and all sizes of engines is a cute and compact device measuring one foot long, one inch in diameter weighing approximately one kilogram. It has no moving parts, no chemicals or rare earth metals. The open ended fuel passage acts as a wave guide and has nanolayers. The unit is installed in the fuel system after the fuel filter outlet and before the fuel pump inlet on the low pressure side and powered by the existing vehicle's 12 v battery activated through the ignition switch. Upon energising, the fuel molecules are excited and the cold plasma produces ions which with the assistance of the nanolayers in the wave guide hydrogenate the fuel changing its properties in real time onboard for a changed kinetics of combustion.

The science of cold plasma catalysis making the fuels hydrogen rich has now been confirmed by several leading research laboratories in the USA and in other countries. These research laboratories have also confirmed that hydrogen rich fuels enable changed kinetics of combustion giving reduced emission, enhanced engine performance and appreciable fuel savings. Such a process is also found to be the most economical way to make vehicles run with the benefits of hydrogen cars without the hassles of using high pressure storage of hydrogen and costlier fuel cell hybrid cars. Instant use of hydrogen produced from the fuels along with the flowing fuel will facilitate emission reduction and improved engine performance of billions of in-use cars all over the world in a more economical manner.

This unit has proved its effectiveness in both diesel fuel of 350-500 ppm sulphur and with vehicles running on leaded gasoline and unleaded gasoline and also in applications from a small car like 800 cc to a 10 wheeler truck, diesel power generator of 1250 K.W. and also with vehicles using bio-diesel.

In the diesel, the smoke and spm reduction are above 60-70%, oxides of nitrogen reduction is above 25%. In the leaded and unleaded gasoline engines almost near zero carbon monoxide emission and unburnt hydrocarbon less than few hundreds of ppm is achieved with nil oxides of nitrogen emission.

The fuel economy improvement is minimum 5% even in bigger diesel gensets of 1250 kilowatts. In the ship engines, ship companies have recorded 13% fuel savings over an year of actual operational results based on data logged. In most of the cars and trucks, vans and suv's, the fuel efficiency had gone from a minimum of 7% to maximum 25% depending upon engine design.

The clean combustion effected due to fuel quality improvements effected as the fuels flows in real time reduces the emission loads on the exhaust catalytic convertor improving their life and efficiency. This invention is a boon to diesel soot oxidising catalyst and soot trap manufacturers for enhancing their product performance even



without the need for ultra low sulphur diesel.

Several thousands of these units are in successful operation in India, Philippines with several applications and vehicles.

Renowned japanese engines and vehicles manufacturers-Mitsubishi motors and Isuzu motors have tested and certified the effective emission reduction and fuel economy improvement performance in actual road conditions with regular commercial outlet oil company fuels. Their testimonials along with other users testimonials are displayed at the Web Site reference below.

<http://www.hydrodrive.8k.com/toc.htm>

To know how much gasoline can be saved, please visit the Web Site Link:

<http://www.freewebs.com/hydrodrive/FUEL%20ECONOMY%20IMPROVEMENTS%20AND%20EMISSION%20>

The retrofit costs only usd 150 per piece for all 12 v battery vehicles with 12 v alternator and usd 300 per pice for all 24 v battery vehicles with 24 v alternator. This retrofit will make great difference to the entire world's green house gas reduction and fuel economy improvement resulting in less use of fossil fuel by many countries, all car users and fleet owners.

This invention was selected by the Dow Jones group-Far Eastern Economic Review, Hong kong for the asian innovation award gold 2001

This economical retrofit will give an economical answer to the People Republic Of China Govt's latest mandate to all the vehicle manufacturers to follow the fuel economy improvement standards from January 2005 with all vehicles.

Hydrodrive systems and controls pvt. ltd is looking for distributors in all countries for bulk import to meet the demand and also suitable investors for local manufacture in many countries under technology transfer and licencing of this product now under the patent regime in the USA, UK, Canada, China, Japan, Korea, Philippines, India and in several other countries.

Contact details:

S. Gopalakrishnan,

Managing Director

Hydrodrive systems and controls pvt. ltd,

P.Box.no.5076,

Plot No.69, industrial estate,

Perungudi,

Chennai-600096.

India

Email: hydrodrive@vsnl.com

Tel: 91-44-24960287

Fax: 91-44-24915110

Mobile: +919841261365



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**Contact Information****Gopalakrishnan Srinivasan**

HYDRODRIVE SYSTEMS AND CONTROLS PVT LTD

<http://www.hydrodrive.8k.com>

91-44-24960287

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