



## Going Green!

The number of American businesses with green initiative programs grew 54% last year. Based on research, 69% said they took deliberate measures to improve their environmental and social impact in 2011.

More than 90% cited savings from going green. **High Yield Performance™** offers affordable Hydrogen Injection Systems for easy installation on commercial trucks, industrial equipment, stationary engines, agricultural equipment, marine vessels, automobiles, motorcycles and recreational vehicles.



## Industrial Boost: Generating Savings

The **High Yield Fuel Hydrogen™** Injection System can turn a good project into a great one.

- Made in America in an AS 9100, ISO 9001 and ISO 13485 certified facility
- Will not modify Manufacturers guidelines or void factory warranty
- Easy to Install
- Very low maintenance. Just add 4 oz. of distilled water every 200-300 hours of run time
- Works with all internal combustion engines. On tier four diesel engines, DEF or UREA usage can be reduced by as much as 40% through fewer re-burns
- Produces hydrogen on-demand or as needed with no dangerous storage
- Freeze protection

*The guys at High Yield Performance™ installed an OTR Series 1000 on my 2003 Peterbullt with 1,250,000 miles in early December 2012. The system was easy to install and it looks fantastic mounted under the hood. I went from 6.5 mpg to 7.44 mpg by the 1<sup>st</sup> of January 2013. I was concerned 'only' about increasing my fuel economy and told the installers my rig had all the power it needed...Boy, was I wrong! I instantly felt the increased power and I was shifting much less in the mountains. The system will save me around @12,000 a year! - Guy 'Bandit' Runyon, Moore Freight Service, Inc., Tennessee*

## High Yield Performance™ Implementation Services

### The HYP™ Commitment to Customer Satisfaction:

High Yield Performance™ delivers technology that increases your bottom line while decreasing your environmental footprint. We know the importance of fast, accurate and complete project planning.

### Pre-installation phase:

In this phase, High Yield Performance™ will collaborate with all resources to develop a project plan respective of your company's needs. Our installation strategy starts with gathering your specific requirements and configurations. Following this, we create a rollout schedule which includes where and when to install each unit.

### Certified Installation and Implementation:

We understand that fast, expert and convenient installations are essential so that your engines can be back in service with minimal down-time, and you can start saving money.

### Maintenance / Asset Management:

Through customized and optimized software, High Yield Performance™ keeps an accurate inventory of all your HYP™ hardware, and keeps you aware of your installation progress. High Yield Performance™ also will record the best methods as customized for each project and will be able to track the complete life cycle of the assets.

### Technical Support:

Through our established relationships with valuable strategic partners, ongoing product support is just a phone call away.



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## HighYieldPerformance™

### Hydrogen Injection Systems

COMMERCIAL – AGRICULTURE- INDUSTRIAL – AUTOMOTIVE - MARINE

## COMMERCIAL TRANSPORTATION

### Driving the speed ofGREEN



## The New Generation of Intelligent Hydrogen Systems

### *Our intelligent system is your solution!*

Our High YieldPerformance™ line of products increases your fuel economy between 6-18% and for engines using diesel exhaust fluid (DEF/Urea), reduces usage by up to 40%. It increases horsepower and torque; reduces engine and turbocharger operating temperatures; and helps extend oil change service intervals due to lower particulate loads. Bottom line: Through the use of HYP™ technology you will:

- ✓ Maximize your engine's efficiency
- ✓ Reduce maintenance costs
- ✓ Extend the life of your engine
- ✓ Reduce harmful emissions and accelerate your compliance with tightening EPA and CARB regulations
- ✓ Most important of all, you will dramatically boost fuel efficiency!

# The High Yield Performance™ Impact Difference

# Our Intelligent System is your Solution!

# HYP™ is Easy, Safe and Durable

**High Yield Performance™** is a groundbreaking and effective solution for two major issues faced by fleet owners today—increasing fuel costs and rising emissions standards. The **HYP™** line of hydrogen products, utilizes patent-pending technology to successfully lower your fuel costs and dramatically reduce your vehicles' emissions. Proven to **consistently** increase your fuel economy between 6-18%, **HYP™**'s unprecedented results define a new generation of intelligent hydrogen systems.

**Our groundbreaking technology is the key to High Yield**



*We understand that all engines aren't the same, and we understand that all engines do not run the same all of the time. Our programmable CPU allows our installer to pick out the optimum average amount of hydrogen to work with your engine.*

**Our patent-pending technology includes:**

- The **High Yield Performance™** lines of products are not just any hydrogen system, but an **INTELLIGENT** hydrogen system.
- An independent electronic control system utilizing CPU technology—this intelli-flo design allows for the proper regulation and control of the hydrogen release. Combining precise amounts of hydrogen and oxygen in the air intake of your engine results in optimal fuel burn. With this technology, we are able to maintain a consistent and constant flow of hydrogen.
- A condensation-free flow system—this ingenious drying mechanism prevents moisture from entering the engine combustion chamber and contains all fluid of any sort in the **HYP™** hydrogen system so your engine won't be exposed to moisture.

**Lower fuel costs.**

**High Yield Performance™** utilizes patent-pending intelli-flo technology in order to control the release precise amounts of hydrogen at the level that your engine requires. This pinpoint release of hydrogen ensures reliable and consistent long-term results.

**Reduce DEF.**

Use up to 40% less DEF/Urea Fluid. You use less DEF/Urea fluid because there is 40% less particulate matter in the exhaust due to the cleaner burn.

**Reduce emissions.**

In a typical engine, approximately 70% of fuel is actually burned. **HYP™** uses hydrogen as a catalyst to help burn fuel more completely, reducing harmful emissions. Its combustion does not create harmful pollutants like fossil fuels do and there is no limit to its availability, making it the most renewable of all fuels.

**Reduce maintenance costs & extend the life of your engine.**

After hydrogen is introduced to an engine in the proper quantity, a much more efficient burn takes place. The engine, from the turbocharger to the exhaust, will run at a lower overall temperature. This slightly lower temperature results in a reduction in carbon and heat. When there is less heat involved in the burn it reduces overall operating temperatures, particulate matter and other pollutants, which in turn reduces wear and tear, releasing more energy and increasing horsepower and torque. In addition, by reducing the amount of diesel needed to power an engine, oil change service intervals can be extended due to a decrease in particulate matter.

## The Bottom Line Solution with Environmentally Friendly Results



*"I installed the High Yield System™ myself in around 2 hours. The mounting bracket attached to the Peterbilt frame with ease and the installed system looks and works great. Thanks!"*

**- R. Hickie MFS, Inc. Tennessee**

- **Low maintenance**  
Approximately 4 oz. of distilled water will last as much as 200-300 hours of engine run time.
- **Low amperage**  
**HYP™** uses less than 2.7 amps of power for minimal strain on your engine's electrical system.
- **Compact size**  
**HYP™** is compact - generally fits in the engine compartment.
- **Weather resistant**  
**HYP™** is engineered to withstand a wide range of climates and temperature variations.
- **Tough and resilient manufacturing**  
**HYP™** is made from industrial solid core PVC. The unit is mounted in a custom-made steel bracket along with all steel mounting hardware. All wiring is marine grade.
- **Installation available**  
**HYP™** can be installed by our skilled nationwide installation network.
- **Moisture free system**  
**HYP™** employs a patent-pending condensation-free flow system.
- **Warranty**  
**HYP™** comes with a two-year warranty and an extended warranty is available.
- **We provide a range of sizes to suit your application**  
At **HYP™**, we understand that every engine is different; we provide a range of units.

The **HYP™ G OTR1000** (opposite) has two sets of stainless steel charging plates to keep up with the strenuous demand of large tractors, combines, road graders, and OTR trucks.

Smaller than the size of a briefcase, our skilled installation technicians can generally fit the **HYP™ G OTR1000** in the engine compartment. The run time capacity of the unit is approximately 4 oz. of distilled water every 10,000 miles.



**HYP™** units can be used on stationary engines such as refrigeration trailers.

The **HYP™ G R600** (opposite) has a larger capacity tank for continuous run-time.

As shown above, **HYP™** units consist of only three parts: Filter, CPU, and HHO generator.

