

2010 Propane Vehicle Platforms & Conversion Systems

What is Currently Available and on the Near Horizon

It's hard these days to keep up with what's going on in the propane auto market. Each week seems to bring a new wave of announcements from manufacturers and companies introducing or designing a propane fueled vehicle or platform. This is great news for the industry, though a tad difficult to follow. In an attempt to manage all of this information, we've packaged up the platforms and systems for five companies: Alliance AutoGas, Clean Fuel USA, Ford, Impco, Roush and Technocarb.

We've briefly profiled each company,

with their help, to provide background on each company's approach and offerings. At the end of each profile you will

find their web address and contact information, which marketers can use for additional information.



Buyers Guide



The company

A partnership founded by Blossman Gas (the nation's largest independent propane company) and American Alternative Fuel, Alliance AutoGas brings together certified technicians, fuel providers and equipment manufacturers in a network that converts vehicle fleets from conventional gasoline to propane.

Alliance AutoGas offers public and private fleet managers: conversion – vehicle conversion from gasoline to propane AutoGas; fueling – on-site fueling at fleet base and year-round supply of propane AutoGas; and support – vehicle safety and operational training, plus technical support.

Alliance AutoGas offers the AAF-Prins Vapor Sequential Injection System, an aftermarket, bi-fuel hybrid system.

• With this system, vehicles start on con-

ventional gasoline and immediately switch to AutoGas, but drivers may switch seamlessly between the fuels in the event that an AutoGas station cannot be reached.

• Alliance-Prins AutoGas conversion kits can be transferred from one vehicle to another of the same make and model.

Alliance has expanded rapidly since its early 2009 inception and is approximately half way toward its goal of a nationwide network. Alliance has a presence in Texas, Oregon, California, Arizona, Ohio, Indiana and most of the East Coast.

Warranty

When Alliance AutoGas converts fleet vehicles, the Alliance AutoGas Prins conversion systems are covered by a AA+ rated 3-year/36,000-mile warranty provided by Assurant, the nation's largest provider of aftermarket vehicle warranties. Warranty extensions are also available.

Market potential

Alliance targets all manner of public

and private fleets that are operating light-duty vehicles. Ideal candidates for propane AutoGas vehicle conversion include taxis, law enforcement and municipal vehicles, limousines and utility-company vehicles.

Alliance AutoGas, together with Virginia Clean Cities, received grant funding from the U.S. Department of Energy to convert nearly 1,200 vehicles to run on propane AutoGas.

As part of the program, Alliance founding partner, Blossman Gas, will install a corridor of propane fueling stations throughout the Southeast, running from Virginia to Florida to Louisiana.

Testimonial

Huffines Gas,
Bill Clinkscale
Co-owner

"Our relationship is just beginning, but they are a very professional organization that has done a lot of research in the conversion market. I hope together that we will better develop the propane market."

For more information

www.allianceautogas.com

Alliance has four fueling partners in Texas and is continually adding new conversion center partners. Current Texas fueling partners cover the greater Dallas-Fort Worth and Houston areas:

- ♦ Huffhines Gas
9323 South Central Expressway
Dallas, Texas 75241
(800) 833-1427
- ♦ Henderson Oil & Propane
401 N. Hwy 156
Justin, TX 76247
(940) 648-3113
- ♦ Propane Bottle Service
5216 Jacksboro Highway
Fort Worth, TX 76114-1602
(817) 626-5496
- ♦ Green's Blue Flame
13823 Packard Street
Houston, TX 77040-5425
(713) 462-5414



The Company

CleanFUEL USA was started in 1993 by Curtis Donaldson. Donaldson worked in the alternative fuel division of Conoco Phillips before leaving to start his own company. For the first 10 or more years, the company's focus was on propane fueling dispensers only. In 2005, they began engineering dedicated propane engine systems and also now distribute bi-fuel (propane and gasoline) engine systems.

CleanFUEL USA prides itself in recognition by fleet managers, fuel equipment manufacturers and distributors worldwide for building safe and reliable equipment that satisfies environmental regulations and alleviates U.S. dependence on foreign oil. Fuel and refueling infrastructure, station equipment, engine systems and fleet management programs are offered by CleanFUEL USA.

In 2009, CleanFUEL received \$12.3 million in two grants from the U.S. Department of Energy to put in about 180 refueling stations throughout the United States. Much



of the work is being done in 2010. Initial installation cities include: Atlanta, followed by Chicago, Houston, Denver and Sacramento. Then 14 cities, including San Antonio/Austin, are being targeted. The propane network will target the retail market, as well as municipal, state and private fleets.

Warranty years/ miles

CleanFUEL provides a warranty of 5 years or 100,000 miles.

Market potential

"We target hub and spoke fleets. CleanFUEL specializes in fleets that drive a high number of miles," says Marketing Director Crystelle Markley. "Propane works better if the fleet returns to a base location each night where it can refuel. Some 2,000 8.1 L engines were sold from April 2006 through 2009. Now, with the 6.0 L engine, the market is expected to be substantially bigger. All of our LPI products are EPA- and carb-certified. We have excellent warranty and service departments, and we've sold a tremendous number of vehicles. We've been at it awhile."

Testimonials

Jan Peterson,
Buster Brown Propane
Owner

In April 2009, I bought our first truck with CleanFUEL with AFRED grant money. We were very pleased with the truck performance: There was no loss of performance, and the driver was pleased. It was an LPI system. I was so pleased with it, that I took a 2006 truck that had vapor injection — it was an older system — and I had a CleanFUEL system put on. In October 2009, CleanFUEL changed it out. We had a small problem with the electronics, and CleanFUEL came in right away. We have been so pleased, that I am now in the process of purchasing two new Bobtails through the grant money. And we will have both of those trucks operational in the summer. CleanFUEL is very honest, they are very professional and they are a pleasure to deal with.

"Love it. I have had very good luck with

it. One of the most impressive things is I feel there is no loss of power."

TPGA President - Elect Bill Collins about his CleanFuel USA LPI system on a 2008 bobtail.

Blue Bird Buses

GM announced recently its plans to stop making the 8.1L engine that Blue Bird uses in its propane-fueled buses. The Propane Education & Research Council (PERC) approved a \$1.4 million grant to help Blue Bird secure financing to buy a large amount of engines from General Motors, which will bridge the gap between the discontinuation of the 8.1L and the successor engine.

For more information

Go to: www.cleanfuelusa.com. To contact by email: marketing@cleanfuelusa.com. Their landline is: 512.864.0300.

Ford

On Ford Motor Co. and Propane:

"The reason we went into the market was based on our focus groups of customers. There was interest in propane or CNG," says Gerry Koss, fleet marketing manager for Ford Motor Co. "If there's customer demand, then we'll do it."

"We are not comfortable with customers converting on their own engines. We want to make sure we are providing them with engines that are durable enough to operate on gaseous fuels. We conducted focus groups last summer, traveling to seven markets, and attended trade shows, to gather our data.

"If in fact the customer followed our converter calibration specifications, we will maintain the new-engine warranty. It's peace of mind for the customer to know that we will continue to maintain the engine warranty."

The Transit Connect, from Ford:

♦ Transit Connect goes into production and will be available for the 2011 model year in Fall of 2010.

♦ Transit Connect is built on a dedicated commercial vehicle platform, tested to Ford's toughest truck standards, offers a fuel-efficient 2.0-liter four-cylinder gas engine and is designed to meet the extreme demands of

Alliance AutoGas					
Systems or Platforms Available	When Available	Vehicle	Engine Size	Mono/dual	EPA Emission Rating
Vapor Sequential Injection	Available	06 Ford F-150	5.4L	Bi-fuel	Current
Vapor Sequential Injection	Available	06-09 Ford Crown Victoria	4.6L	Bi-fuel	Current
Vapor Sequential Injection	Available	06-09 Ford Crown Victoria Police Car	4.6L	Bi-fuel	Current
Vapor Sequential Injection	Available	06-09 Lincoln Mercury Town Car	4.6L	Bi-fuel	Current
Vapor Sequential Injection	Available	06-09 Lincoln Mercury Grand Marquis	4.6L	Bi-fuel	Current
Vapor Sequential Injection	Available	06-07 Chevrolet C2500 Silverado 2WD	6.0L	Bi-fuel	Current
Vapor Sequential Injection	Available	06-07 Chevrolet C3500 Silverado 2WD	6	Bi-fuel	Current
Vapor Sequential Injection	Available	06-07 Chevrolet K2500 Silverado 4WD	6	Bi-fuel	Current
Vapor Sequential Injection	Available	06-07 Chevrolet K3500 Silverado 4WD	6	Bi-fuel	Current
Vapor Sequential Injection	Available	06-07 GMC C2500 Sierra 2WD	6	Bi-fuel	Current
Vapor Sequential Injection	Available	06-07 GMC C3500 Sierra 2WD	6	Bi-fuel	Current
Vapor Sequential Injection	Available	06-07 GMC K2500 Sierra 4WD	6	Bi-fuel	Current
Vapor Sequential Injection	Available	06-07 GMC K3500 Sierra 4WD	6	Bi-fuel	Current
Liquid Vapor Injection	Late Sping	07-08 Ford F-150	5.4	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford F-150	4.6	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford Explorer Sport Trac	4.6	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford Explorer	4.6	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford Expedition	5.4	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Lincoln Navigator	5.4	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford E-350	5.4	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford E-350	4.6	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford E-250	5.4	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford E-250	4.6	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford E-150	5.4	Bi-Fuel	*****
Liquid Vapor Injection	Late Sping	07-08 Ford E-150	4.6	Bi-Fuel	*****

**** All kits are certified for 2010 on all list model years

Clean Fuel USA					
Systems or Platforms Available	When Available	Vehicle	Engine Size	Mono/dual	EPA Emission Rating
Liquid Propane Injection	Taking Orders	G4500 Cutaway Van	GM 6.0L	Mono	Received
Liquid Propane Injection	Taking orders	Workhorse W42 Walk in Van	GM 6.0L	Mono	Received
Liquid Propane Injection	3rd Q 2010	G3500 Cutaway Van	GM 6.0L	Mono	Pending
Liquid Propane Injection	3rd Q 2010	C2500/3500 HD Chassis Cab	GM 6.0L	Mono	Pending
Liquid Propane Injection	2nd Q 2010	Type A Collins School Bus	GM 6.0L	Mono	Pending
Liquid Propane Injection	4th Q 2010	GM 2500/3500 Complete Van & Pick Up Truck	GM 6.0L	Mono	Pending
Liquid Propane Injection	2nd Q 2010	W Series Tilt Cab Truck	GM 6.0L	Mono	Pending
Liquid Propane Injection	Available	Blue Bird Propane Vision school bus	GM 8.1L		*****

***** EPA and Carb certified NOTE: CleanFUEL still offers, but engine discontinued

Ford Motor Company					
Systems or Platforms Available	When Available	Vehicle	Engine Size	Mono/dual	EPA Emission Rating
Propane	Current	E-Series Vans	5.4L, 6.8L	Calibrations for converters	Available through converter
Propane	Fall 2010	Transit Connect	2.0L	Calibrations for converters	Available through converter
Propane	Summer 2010	Super Duty Truck	6.8L	Calibrations for converters	Available through Converter

taxi service.

- A new engine prep package allows conversion to efficient, clean-burning compressed natural gas (CNG) or propane (LPG, or liquefied petroleum gas).

- Transit Connects have a roomy, easy-to-access interior, providing passenger comfort and ample luggage storage space, even after modification to contain CNG/LPG fuel tanks, 135 cubic feet of cargo space.

Rob Stevens, Chief Nameplate Engineer
Ford Transit Connect

“Transit Connect was developed to bring small-business owners a new vehicle choice, offering significantly improved fuel economy, generous and accessible cargo space with the agility and maneuverability to deliver the goods in tight quarters.”

Warranty years/ miles

Ford has established specific calibration specifications for the modifier to adhere to during the conversion. If the modifier complies with Ford’s calibration specifications, they will honor the full power train warranty of 5 years/60,000 miles.

Market Potential

Ford plans to conduct further tours, and expects have the Transit Connect available in September. Pricing will be established in about a month.

“One of the reasons we began offering gaseous fuel prep engines was due to customer requests from a variety of industries,” says Anne Marie Gattari, Ford’s truck communications manager. “These companies have a variety of reasons for conversion to gaseous fuel including strong corporate sustainability initiatives, a desire to reduce their fuel costs or a commitment to reducing their CO2 emissions. Our focus isn’t on targeting specific fleet customers, but working with customers who

have expressed a strong interest in converting their fleet to operate on gaseous fuel. These involve both commercial fleet customers and government fleet customers.

Testimonial:

(Conventional, not propane)

Russ Corrigan,
Fleet Manager

The SCOOTER Store

“The Transit Connect has proven to be the ideal choice for our complex rehab division. It offers the fuel economy, cargo space, safety and fun-to-drive factor that our employee-owners want and need to provide freedom and independence to people with limited mobility.”

For more information

Additional information on the availability of gaseous fuel prep engines can be obtained from any Ford dealer. In most cases, customers presently have a relationship with a conversion modifier and would continue to work with them for future applications.



The company

IMPCO Technologies, originally Imperial Machine Products Company, was founded in 1958 by Herbert V. Hills and Richard Baverstock in a small Quonset hut in South Gate, Calif., says IMPCO.

The initial focus was on seeking out the faster and more energy efficient car and speed boat racing. The first product developed and sold was the CA300A carburetor, known as the “IMPERIAL,” which is still sold today, according to the company.

In 1967, the company was moved to Cerritos and became a wholly owned subsidiary of AJ Industries (Alaska Juneau Mining Company). IMPCO purchased BEAM Products Company in 1986, Garetson Equipment Company in 1997, J & S Products and Algas Carburetion in 1998. Along the way, several of IMPCO’s distributors, such as Technisch Bureau Media in The Netherlands, Mikuni in Japan and Ateco PTY in Australia were purchased, becoming global affiliate locations, says the company.

Today, IMPCO is a global business with offices, distributors and customers across the globe.

What’s available:

At this time, Impco offers bi-fuel systems only, certified with EPA. It has a list for MY2011 planned for certification later in 2010.

Because of the current emissions regulations, IMPCO is able to achieve lower emissions, however, currently it has to remain in the original classification of the vehicle converted.

Warranty years/ miles

2 years/24000 miles

The market

“Being a manufacturer of these systems, we adopted a distribution model to deliver our technology. We deal with distributors/installers whose customers are fleets and private owners. We reserve the right to deal with

fleets directly; however, that is not something that happens very frequently at this moment," says IMPCO's Alex Cendron.

"We are forecasting 1,000-2,000 kits sold this year among LPG and CNG systems, however my expectations could be even more optimistic.

"The vehicles we can convert have very different fuel mileages, and averages of miles driven vary substantially based on the alternative fuel used and the customers' needs. Therefore, is very complicated to provide a precise number for the effective displacement of gasoline; a rough indication could be 300+ tons of CO2 and 11,000+ barrels of oil displaced every thousand vehicle converted," says Cendron.

"With our patented Spectrum Fuel Management Industrial Systems, our state-of-the-art Multi-Point Sequential Gaseous Phase Injection Automotive Systems, our Certified Industrial Engines Packages, in addition to our traditional gaseous fuel carburetion components, IMPCO Technologies, Inc. is poised for unprecedented growth and we are very excited about the future," says the company.



Testimonial

Bill Van Hoy, Executive Director
Texas Propane Gas Association

"There are 50,000 miles on my heavy duty 2500 series Chevrolet Silverado. This is a dual fuel system that has worked flawlessly throughout the entire time I have had the kit installed. The only maintenance has been replacing the inline filters at 20,000 miles. The system works perfectly – there is no way other than looking at the light on the dash that anyone could determine if the truck is running on propane or gas. The transition is seamless – no coughing, hesitation, nothing! The fuel mileage is only slightly less using the propane mode with power at or greater than on gasoline."

For more information

Partners can be found at: www.impcotechnologies.com/auto-network.asp

Authorized installers in Texas:

- CleanFUEL USA
1104 South Church Street
Georgetown, TX 78626
Phone: 512-864-0300
Fax: 512-864-0133
www.cleanfuelusa.com

- Greens Blue Flame Gas Co. Inc.
13823 Packard St.
Houston, Texas 77040
P.O. Box 40423
Houston, Texas 77240
Phone: 713-462-5414
Fax: 713-462-3772
www.greensblueflame.com

- Northwest Propane Gas Company
11551 Harry Hines Blvd.
Dallas, Texas 75229
Phone (toll free): 800-274-6121
Phone: 972-247-6121
Fax: 972-241-2555
www.northwestpropane.com

IMPCO Technologies

Systems or Platforms Available	When Available	Vehicle	Engine Size	Mono/dual	EPA Emission Rating
Liquid Propane Gas	March	08 Silverado, Sierra, Savana, G Van, Express	6.0L	Bi-fuel	Tier 2
Liquid Propane Gas	March	09 Silverado, Sierra, Tahoe, Yukon, Avalanche, Suburban	5.3L	Bi-fuel	Tier 2, Bin 5, ULEV
Liquid Propane Gas	March	09 Silverado, Sierra, Savana, G Van, Express	6.0L	Bi-fuel	LEV
Liquid Propane Gas	March	09 Silverado, Sierra, Savana, G Van, Express, Tahoe, Avalanche, Suburban, H Van, Yukon	5.3L	Bi-fuel	
Liquid Propane Gas	March	09 Impala	3.5L/3.9L	Bi-fuel	Tier 2, Bin 4
Liquid Propane Gas	March	09 F-150, Expedition, Navigator	5.4L	Bi-fuel	Tier 2, Bin 5, LEV
Liquid Propane Gas	April	09 Crown Victoria, Grand Marquis, Town Car	4.6L	Bi-fuel	
Liquid Propane Gas	April	2010 Silverado, Sierra, Savana, Avalanche, Express, G Van, Yukon, Tahoe, H Van, Suburban (4.8 & 5.3L)	5.3L	Bi-fuel	Current
Liquid Propane Gas	May	2010 Silverado, Sierra	6.0L	Bi-fuel	LEV
Liquid Propane Gas	June	2010 Impala	3.5/3.9L	Bi-fuel	
Liquid Propane Gas	April	2010 F-150, Expedition, Navigator	5.4L	Bi-fuel	Tier 2, Bin5, LEV
Liquid Propane Gas	June	2010 E(150, 250, 350) Van, E350 Cutaway, E(150, 350) Wagon	5.4L	Bi-fuel	
Liquid Propane Gas	April	2010 Crown Victoria, Grand Marquis, Town Car	4.6L	Bi-fuel	Tier 2, Bin 4



The company

Technocarb was founded to develop, manufacture and distribute alternative fuel systems to markets worldwide, according to company literature. The company philosophy is to combine robust engineered systems with advanced technology electronics to provide high performance, cost-effective products that will benefit the global environment by reducing harmful emissions. The company focuses on customer service and cost-effective products to define its market niche.

The executive management team is made up of David Shea and Peter Gordon, who have a combined 50 years + experience in the alternative fuel conversion and automotive industries.

Technocarb manufactures and sells vehicle-specific alternative fuel systems, as well as “universal” style and industrial application conversions, according to the company. These systems typically comprise all of the components required to convert a vehicle or piece of industrial equipment from gasoline operation to alternative fuel operation, the company says.

The company has also developed a supplemental compressed natural gas (CNG) and a liquid propane gases (LPG) “blending” system to significantly reduce harmful emissions (and reduce fuel costs) for both

turbo and non-turbo diesel applications.

The company manufactures and sells a wide variety of LPG and CNG components used in alternative fuel systems. Technocarb distributes products such as: Landi Renzo, AEB, Rail, Valtek and LG Motor Gas.

The company develops and manufactures complete vehicle-specific LPG and CNG fuel systems, as well as universal kits. It says that the integrated nature of its product makes up a system that is robust, gives good emissions results and performance, and is cost effective. For this reason, Technocarb says it has captured a large portion of the North American and International market.

Technocarb incorporates custom electronics and software and engineered mechanical components that are specific to each vehicle. Many of the non-Technocarb components used in Technocarb’s systems are provided exclusively to Technocarb. Their manufacturing/purchasing system allows them to provide very competitively priced systems and component parts, they say.

Warranty years/ miles

Gasoline/LPG conversions 12 month/12k miles, optional up to 36 month/36,000 miles. EcoDiesel System 36 months /5,000 hours.

Launch Dates/Availability

With their ESIP (Economy Sequential Injection Package) and their SVIS (Sequential Vapor Injection System) and the EFS600 system for older pneumatic style applications,

they cover almost all import and domestic models up to the current model year.

The EcoDiesel System can be installed on virtually any diesel engine, turbo or non-turbo from 3 to 20L.

Testimonial

Tex Butane bought their first Technocarb system in October of 2009. Randy Geltmeier of Tex Butane’s Bastrop branch likes the new system. He says “We have put it on our service truck. The vapor system has a better delivery system. It gets the job done for 99% of the work we do. On gasoline, we were doing 11-12 miles a gallon. With propane there is little loss; we are getting 10-11 miles per gallon.”

Market potential

Depending on the fluctuation of gasoline prices, Technocarb anticipates 2010 sales to be at 8,000-10,000 units, and the same for 2011. The future holds promise with the EcoDiesel System: Propane vapor is injected into the charge air of a diesel engine, displacing 20-25 percent of the air. Cleaning up diesel engines is the market’s future, with a tangible savings -- the system can be paid for within 45 days and reduces emissions and drastically reduces harmful particulates, while giving a power increase and continued overall fuel savings.

For more information

Contact: sales@technocarb.com and Technocarb will refer to the nearest dealer/distributor.

TechnoCarb					
Systems or Platforms Available	When Available	Vehicle	Engine Size	Mono/dual	EPA Emission Rating
Vapor Injection	Available	05-07 Ford Crown Victoria	4.6 W	Both	*
Vapor Injection	Available	05-07 Ford Crown Victoria Police Car	4.6 W	Both	*
Vapor Injection	Available	06 Ford Crown Victoria Taxi	4.6 W	Both	*
Vapor Injection	Available	05-07 Mercury Grand Marquis	4.6 W	Both	*
Vapor Injection	Available	06 Lincoln Town Car Airport Livery	4.6 W	Both	*
Vapor Injection	Available	05-07 Lincoln Town Car	4.6 W	Both	*
Vapor Injection	Available	05-06 Ford F-150 (2&4WD)	5.4 (3V)	Both	*
Vapor Injection	Available	05-06 Ford F-150 Supercrew (2&4WD)	5.4 (3V)	Both	*
Vapor Injection	Available	05-06 Ford Expedition (2&4WD)	5.4 (3V)	Both	*
Vapor Injection	Available	05-06 Ford Navigator (2&4WD)	5.4 (3V)	Both	*
Vapor Injection	Available	06 Lincoln Mark LT (2&4WD)	5.4 (3V)	Both	*

* All certifications have lapsed and are pending renewal at this time.



The Company

The company was started by Jack Roush after he left Ford Motor Co. Roush is a racing legend with more than 400 career motorsports victories and he has built a successful engineering and product development company with more than 2,000 employees.

According to Roush, products and services cover integrated engineering, prototyping, testing, and manufacturing services that include: Roush Fenway Racing (motorsports marketing platforms); Roush Life Sciences (the manufacture of precision plastic products for diagnostic, laboratory and general medical applications); Performance Assembly Solutions (full-service assembly supplier of niche and specialty power train modules for the transportation field); and more.

Note:

• On the 2007 1/2 and 2008 F-150, two tank configurations are offered: The in-bed tank offers 46 usable gallons and if the customer needs to preserve the bed space, Roush offers an under-body tank with 20 usable gallons.

• On the 2009 & 2010 F-250 & F-350, Roush offers two tank configurations: The in-bed tank offers 55 usable gallons and if the customer needs to preserve the bed

space, an under-body tank with 23 usable gallons is offered.

• On the 2009 and newer E-150, 250, 350 passenger and cargo vans, an under-body tank with 25 usable gallons is offered, with an expected range of 300 or more miles. With an SULEV-II emission standard, customers qualify for the 80 percent Federal Conversion Tax Credit.

Roush is working with leading upfitters such as Adrian Steel, Knapheide and National Fleet Services to provide service body and upfits for these vans along with a propane conversion system.

• The 2010 and newer E-450 cutaway will offer an under-body, aft of rear axle fuel tank with 41 usable gallons and more than 300 miles of range.

Warranty years/ miles

All propane systems are backed by Roush's 3-year/36,000-mile warranty. This covers all modified components in the propane fuel system including fuel rail, injectors, PCM, stainless steel fuel lines, fuel tank assembly, mounting brackets and fill port. The balance of the Ford factory warranty remains, as well. Roush recommends Ford's gaseous prep engine fuel package when ordering the base vehicle, so the vehicle comes equipped to handle a gaseous fuel like propane.

Upcoming

Roush has several new products in development that will be launched in 2011,

including the F-450/550 with the 6.8L 3V engine.

Market Potential

"The market potential is huge," says Sales and Marketing Director Todd Mouw. "We are targeting hub and spoke type fleets where we can offer central refueling through companies such as Ferrellgas, Amerigas, Heritage Propane, etc. Any fleet that puts a lot of miles on their vehicles and returns to a central location on a regular basis (two times per week) is a great target. This leads us to shuttle companies such as Supershuttle, communications companies such as Time Warner Cable, beverage distributors such as Wil Fischer Distributing, landscape companies, and the list goes on and on.

"We expect to sell 1,500-2,000 vehicle systems in 2010 and 5,000 in 2011. The future is very bright for propane as a transportation fuel."

Testimonial

Randy Rendon, C.E.M.

Equipment Technical and Fuel Specialist, City of Fort Worth

The City of Fort Worth currently has approximately 197 dedicated and/or bi-fueled propane vehicles

I was truthfully impressed with the detailed and necessary changes that the Roush Performance group put into the Ford truck and van line, which had increased the reliability and performance in order to regain

Roush						
Systems or Platforms Available	When Available	Vehicle	Engine Size	Mono/dual	EPA Emission Rating	
Dedicated Liquid Injection Propane	Current	Retrofit systems, 2007 1/2 F150	5.4L 3V	Dedicated	ULEV	
Dedicated Liquid Injection Propane	Current	Retrofit systems, 2008 F150	5.4L 3V	Dedicated	ULEV	
Dedicated Liquid Injection Propane	Current	2009-10 F250	5.4L 3V	Dedicated	ULEV	
Dedicated Liquid Injection Propane	Current	2009-10 F350	5.4L 3V	Dedicated	ULEV	
Dedicated Liquid Injection Propane	Current	09 & newer E-150 passenger and cargo vans	5.4L 2V	Dedicated	SULEV-II	
Dedicated Liquid Injection Propane	Current	09 & newer E-250 passenger and cargo vans	5.4L 2V	Dedicated	SULEV-II	
Dedicated Liquid Injection Propane	Current	09 & newer E-350 passenger and cargo vans	5.4L 2V	Dedicated	SULEV-II	
Dedicated Liquid Injection Propane	3rd Q 2010	2010 & newer E-450 cutaway	6.8L 2V	Dedicated	SULEV-II, pending	

Auto Platforms & Conversions

the confidence in fleet organization caused by the costly propane programs passed. I have no doubt that the Roush truck will pave the way for a new beginning.

Jack Roush has a highly regarded name in the racing organization and is known for

not letting anything he does tarnish his good name; he has devoted his life to excellence. I grew up around racing in the late 70s and early 80s and heard much about Jack Roush and his legacy, even from his early years as an engineer for the Ford Motor Company.

His branching out on his own, creating and perfecting the automobile's potential, shows that the Roush propane program will be another achievement in his legacy.

Tony Dale
National Director of Engine Fuel and AutoGas
Ferrellgas

"Ferrellgas purchased our first Roush F-250 in June of 2009. Since that time we have driven it over 40,000 miles through over 25 states. It runs like a dream and has been trouble free. Roush and their engineers have created a line of trucks and vans that make you forget you are driving an alternative fuel vehicle. The power is tremendous and the savings to the owners are unmatched."

For More Information

Buyers can call 800-59-ROUSH or call Sales and Marketing Director Todd Mow at (734) 466-6522. A comprehensive website will be launched in late March 2010 that will cover everything someone needs to know about propane-powered vehicles: www.switchtopropane.com

Protect Your Investment - Start with the Finish that Lasts!



Sumter Coatings™

Bergquist's Spring Paint Sale
Save 10% on Paint & Tools

** Free Freight on 48 gallons or more**
** 5 gallon pail savings * Sale ends June 30, 2010*

Bergquist
bergquistinc.com

800-448-9504

Your questions answered by the people who know propane equipment.

* For those in the Mtn. Time Zone and further west...add \$1.25 per gal. on orders of 48 gal. or more.

NEED CASH FLOW?

Then quit paying those high workers' comp premiums!

Have YOUR policy quoted in the



Benefits of being in the Lone Star Energy Group:

- + Underwritten by Texas Mutual Insurance Company
- + Premium Discount (currently 10.8%)
- + Potential for Policyholder dividends
- + Potential for Purchasing group dividends*
- + Maintain your own experience modifier
- + Loss prevention services at no additional cost



Stop spending YOUR extra cash on insurance!!

Call your agent to get a quote or call Curtis Heptner, Master Agent at (940) 397-2771 / E-mail: curtis@certessentials.com

* Dividends are not guaranteed and past dividends are not a guarantee of future dividends. The Texas Department of Insurance must approve all dividend plans.