



TRANSTECH ENERGY

Alternative Fuel Systems

TransTech Energy

- One of the largest LPG contractors in the country, based out of North Carolina
- Long-term relationship with AmeriGas, primary contractor for national 2011 internal valve program
- Design, build and relocate bulk plants and terminals for AmeriGas
- National service footprint- crews mobilize wherever Amerigas needs us
- Largest National reseller/installer for Icom Bi-fuel Liquid Propane Injection
- Manufacturer of custom Autogas Fueling Stations

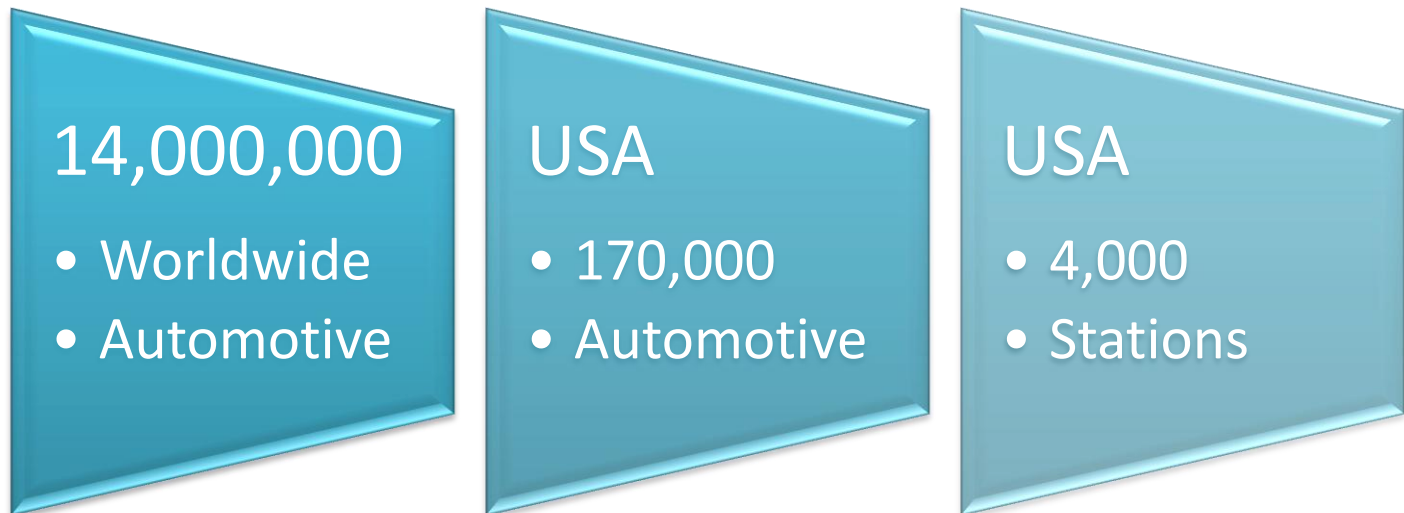
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The Propane Vehicle Market

- There are over 14,000,000 Propane Vehicles Worldwide
- In the USA, there are over 170,000 Propane Vehicles
- There are over 4,000 propane filling stations in the USA





Key Propane Autogas Benefits

Lower Fuel Costs

Reduced Emissions

Domestically Produced



The Autogas Advantage

- Autogas costs significantly less than gasoline
- Many autogas vehicle fleets have reported two to three years longer service life and extended intervals between required maintenance compared to gasoline vehicles
- Autogas used in the USA is 97% from US and Canadian sources, thus increasing our national security



Alternative Fuel Systems Division

Gasoline/Autogas Bi-fuel Engine Systems

- Icom Liquid Propane Injection

Propane Diesel Injection Systems- Pdi

Fueling Infrastructure

- Autogas Fueling Stations- Dispensing and Storage
- Fleet Fuel Management

Fleet Conversion Mechanic Certification

- Training and Support



TransTech Energy Fleet Conversions



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Target Markets for Fleet Conversions

- Municipal & State Fleets
- Law Enforcement Fleets
- Ambulance and Ambulet Services
- Taxi & Limousine Fleets
- Shuttle Fleets
- Utility Trucks & Vehicles
- Tractor Trailors



TransTech Energy Fleet Conversions

- Detailed analysis of fleets alternative fuel requirements to determine most effective solution for their specific needs
- Bi-Fuel Autogas Conversions of most major fleet vehicles
- Two-year warranty on conversion systems
- Design and size Infrastructure to support base fueling requirements
- Training and support packages custom designed to customer's needs
- Assistance with local, state or federal programs to find funds to help offset cost of vehicle conversion and base fueling

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Bi-Fuel Autogas System Overview

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Bi-Fuel Autogas Conversions

- Vehicles runs on Autogas OR Gasoline
- Extends the operating range of the vehicle
- Great for use in vehicles where propane infrastructure is not widely available



Bi-fuel Liquid Propane Injection (LPI) System

TransTech Energy has partnered with Icom to offer their successful OEM Liquid Propane Injection System in a Bi-Fuel application, providing a non-invasive, more OEM-type approach to Automotive Liquid Propane

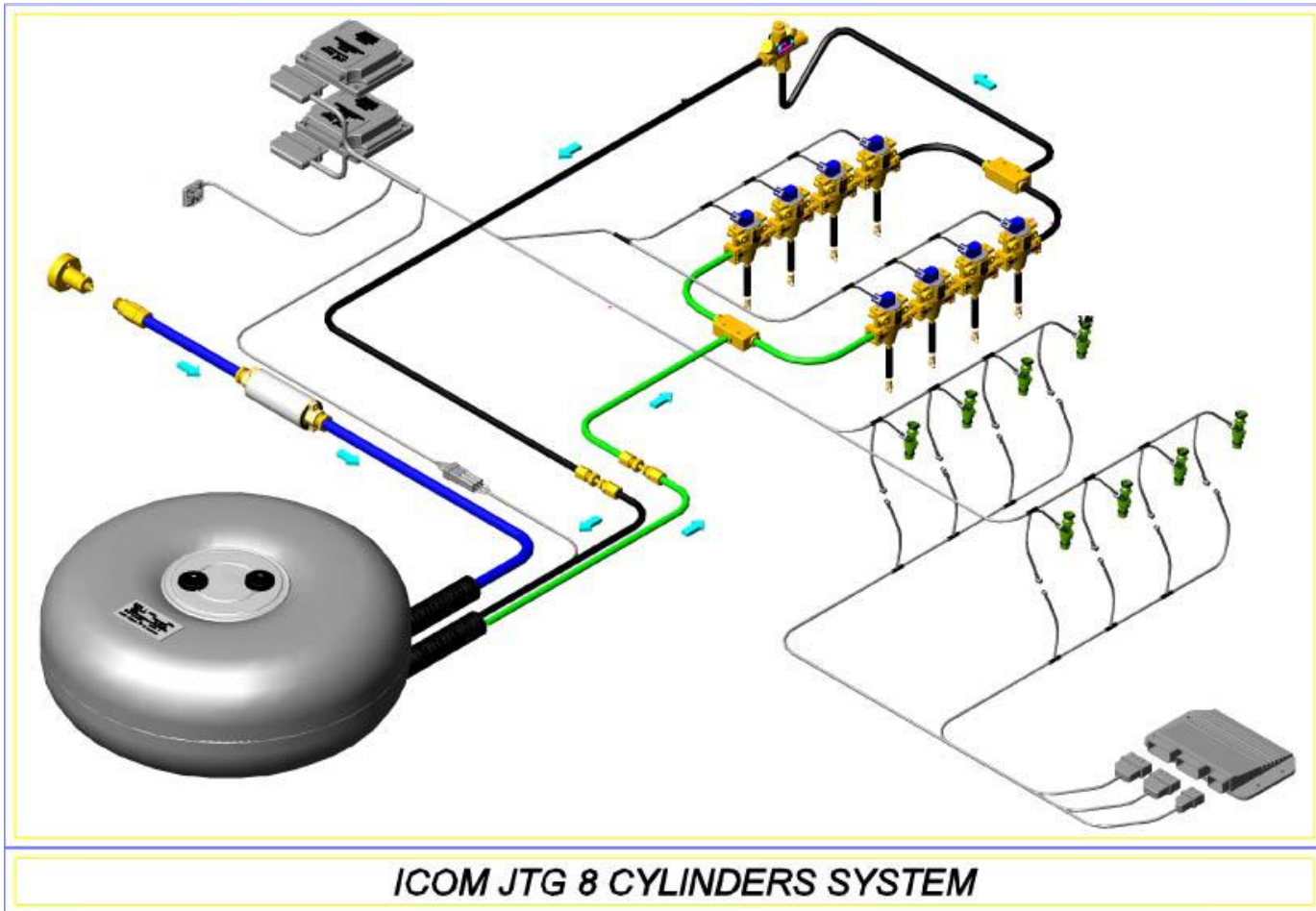


Icom JTG Liquid Propane Injection

Icom JTG® System Advantages:

- 1) The JTG® system is 'plug and play' –the fuel tank, fuel rails and hoses are preassembled.
- 2) No need to alter OEM ECU in any way.
- 3) Propane injectors calibrated to match gasoline injectors in amount of energy delivered with fuel.
- 4) Complete standard OBDII factory diagnostics.
- 5) Propane injection system not affected by temperature changes.
- 6) No cutting, splicing nor soldering required –only three electrical connections needed to operate the JTG® system: two to the battery for power and one to the factory fuel injector wire harness

Bi-fuel 8 Cylinder System



Vehicle Propane Storage Tank

Turnkey Bi-fuel LPI System includes innovative LPG tank with Integrated LPG pump manufactured specifically for the application vehicle.



Propane Autogas Dispensers

- Pre Built Skid tanks for Quick and effortless refueling infrastructure
- Familiar dispenser design mimics Gasoline dispensers
- POS options available
- Dramatically reduces fuel theft
- Custom Sizes available to maximize your propane storage capabilities for maximum savings when buying bulk Propane.
- Retrofit options to add Propane Dispensers to existing Gasoline stations



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AFV Mobile Display

Interactive Propane Autogas Vehicle Display:

- Bi-fuel Technology
 - Chevy Camaro
 - Dodge Charger
 - Ford Transit Connect
- Diesel Injection
 - Ford F-650
- Dispenser System



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Government Tax Credits

Propane AFV Infrastructure Tax Credit

Add a Propane AFV dispenser to any LPG Tank or add turnkey fueling station and receive a 50% tax rebate up to \$50,000 Dollars.

Select Federal Grants for Vehicle Conversion

Depends on state and programs available

Per Gallon Tax Credit

- \$.50 per Gallon of Propane used as a Motor Fuel
- Credit received upon fuel delivery
- Ended Dec 31st 2009. Up for renewal



AmeriGas Support

- Log an opportunity or download support information:
www.transtechenergy.com/amerigas
- Send questions or comments to amerigas@transtechenergy.com
- Contacts: David Kennedy 252-955-9483
 Greg Ezzell 252-557-0727

