



LIQUID PROPANE INJECTION APPLICATIONS

September 30, 2010

Thomas E. Arnold
Product Development & Commercialization
CleanFuel North America, Inc



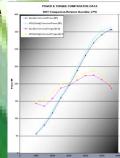
Liquid Propane Injection Technology Enables

- Commercial System Expectations
 - Quality Design
 - Manufacture & Assembly
 - Regulatory Requirements
 - Maintenance & Repair



- Uncompromised Functionality
 - Same Power & Torque
 - Same Environmental
 Vehicle Performance





- Reduced Dependency on Foreign Oil
 - 90% of US supply is domestic
 - 55% from natural gas
 - 45% from refining crude
 - Readily available



- **Environmentally Friendly**
 - Reduction in GHG
 - Reduction in PM, HC, C02, NOx











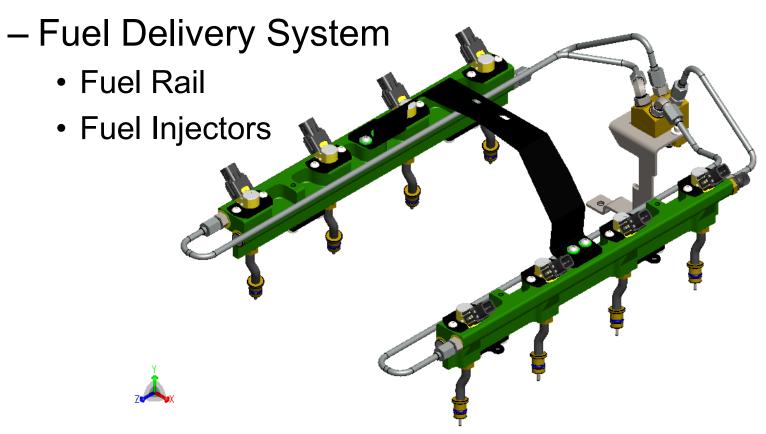




- Fuel Delivery System
- Fuel Storage System

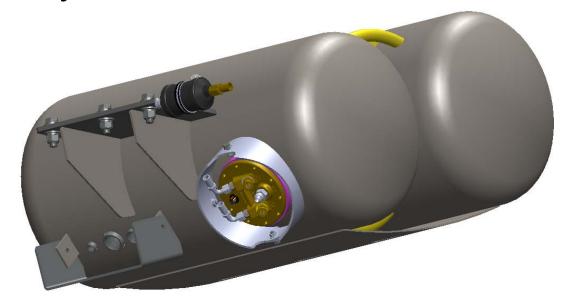
Fuel Lines & Fittings







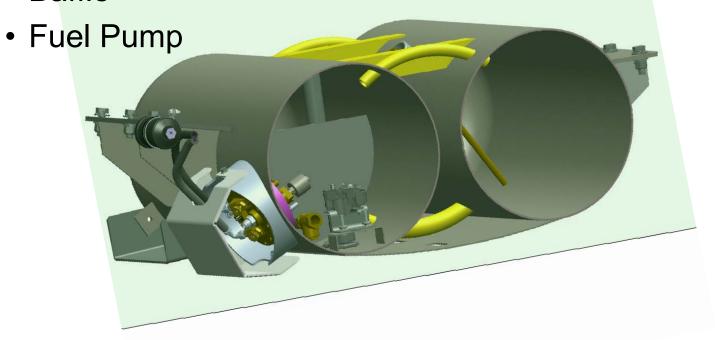
- Fuel Storage System
 - Tank
 - MultiValve







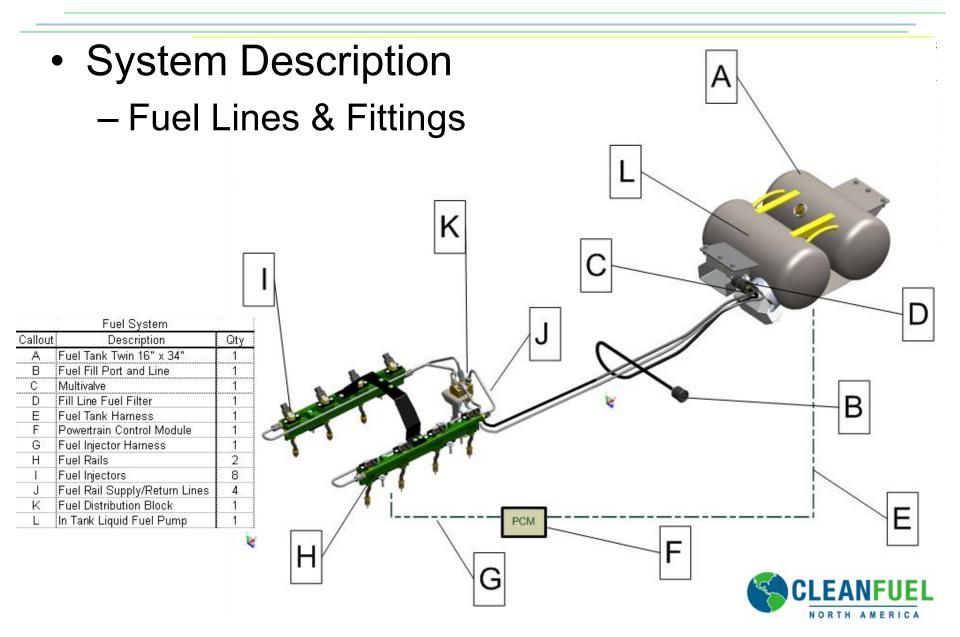
- Fuel Storage System
 - Baffle

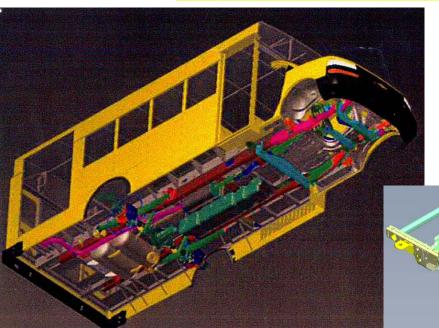






SYSTEM DESCRIPTION

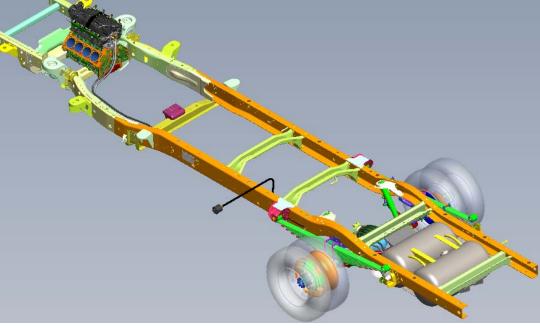




G4500 Series 610 Cut Van

MARKET

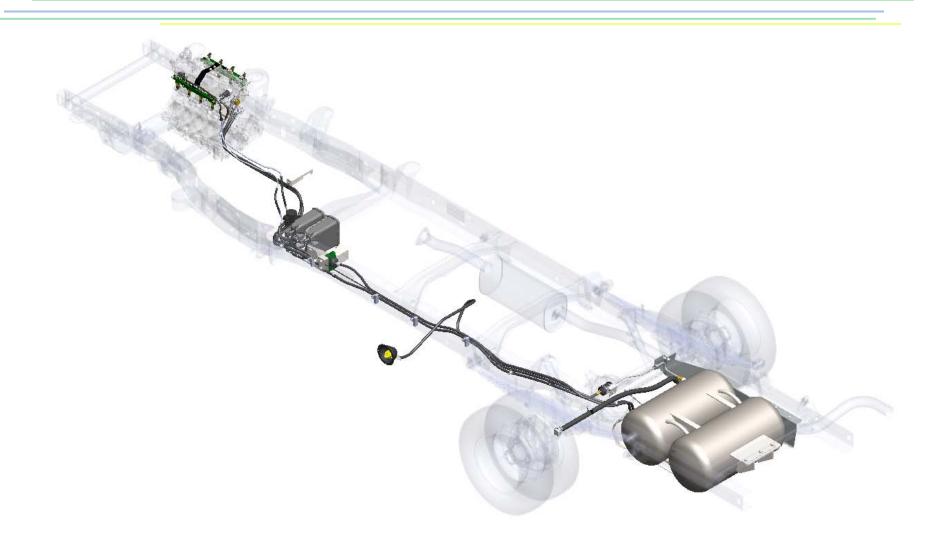
- Type A School Bus
- Shuttle Bus
- Utility Van





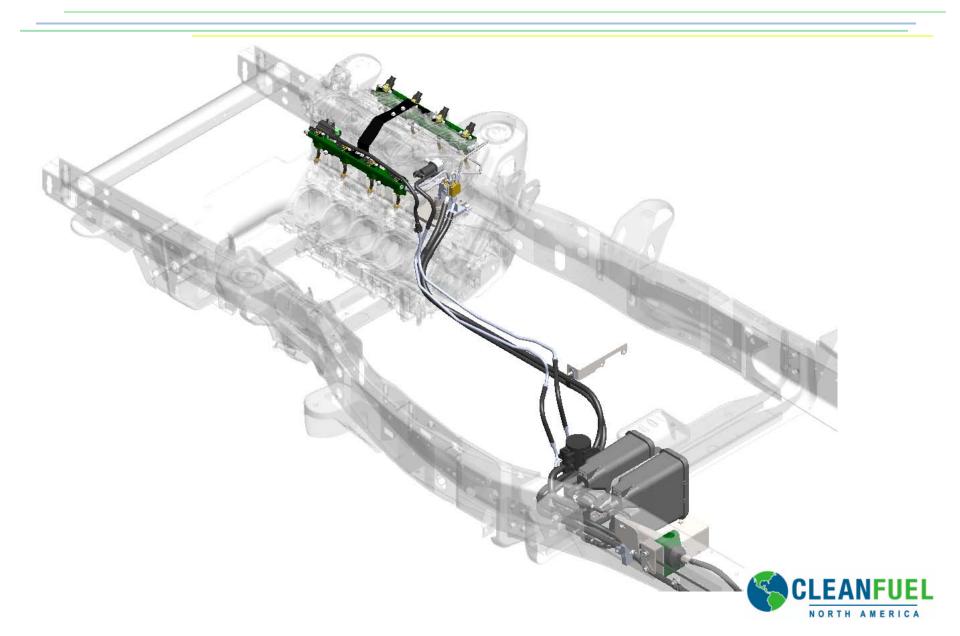


APPLICATION DEVELOPMENT



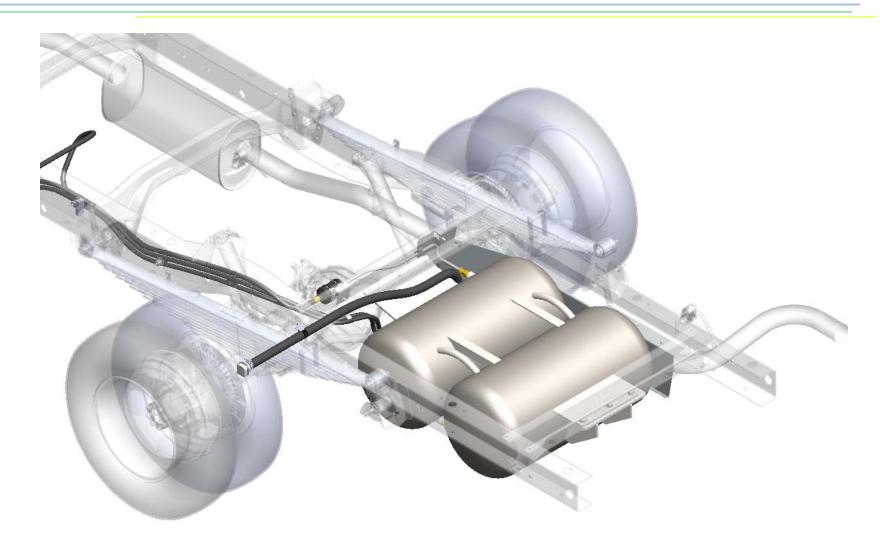


APPLICATION DEVELOPMENT





APPLICATION DEVELOPMENT





- Automotive Industry standards and processes;
 - Engineering & Design
 - Testing
 - Manufacturing
- Testing, Verification & Validation;
 - Engine Tests
 - Component Tests
 - Vehicle Tests







VEHICLE APPLICATION







