

## LPG Truck Web Editorial Content



### Heavy Truck LPG 100% Conversion

Fleet Effect Pty Ltd in partnership with AutoCRC (see list of project partners below) have successfully trialed a 100% LPG (Autogas) powered heavy truck fully integrated with a telematics based CAN/GPS technology into a web based diagnostic and fleet management system.

Fleet Effect is offering the technology to customers in a unique fleet performance contract (FPC) which includes all operating expenses and LPG fuel (excluding driver).

The LPG Diesel Conversion technology provides large fuel, reduced Greenhouse Gas (GHG) emissions, and the virtual elimination of particulates

The new technology offer reductions in total fleet operating costs (excluding driver) of more than 10%.”

The new technology has been installed and trialed in a Mercedes Benz 12 litre V6 Actros B-double compliant truck. Comprehensive road and emissions testing have been undertaken.

The key is a patented compression reduction fuel swirl plate which improves fuel consumption combined with an optimised cylinder head to improve engine cooling. The overall effect is a more fuel efficient engine, lower engine wear and a significant increase in

low end torque and overall power. A new electronic engine management system drives the LPG fuel injectors and spark ignition, constantly controlling engine timing and fuel for the most efficient engine operation.

The LPG Diesel Conversion technology which was developed by AVT ensures that all heavy trucks can easily meet new European Union and Australian government emissions requirements.

The development partners are: Fleet Effect, VPAC, UniSA, DaimlerChrysler, AVT, Autolync, MapData and Elgas with strong support from Mercedes Benz Derrimut Branch.

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