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## **CLEANER FUEL FOR THE LONG HAUL – AN INTRODUCTION TO EVOL LNG**

A growing dependence on imported fuels and the volatility of global oil prices, has sparked a search in Australia for a diesel fuel alternative that is able to power a wide range of heavy vehicles and large industrial engines.

Kleenheat Gas (part of Wesfarmers Chemicals, Energy & Fertilisers) is a pioneer in the field of alternative fuels, having produced and marketed Liquefied Petroleum Gas (LPG) for automotive, industrial and domestic applications for over 50 years.

More recently the company has also invested heavily in Liquefied Natural Gas (LNG), with a \$137 million project in Western Australia which included constructing the 175 tonne-per-day Kwinana LNG plant (commissioned in September 2008) along with a series of strategically-located LNG refuellers.

Marketed under the 'EVOL LNG' brand, Kleenheat Gas currently supplies LNG and supporting refuelling facilities to approximately 140 trucks in Western Australia and Victoria with plans afoot to further expand along the major transport corridors on the Eastern Seaboard.

EVOL LNG supplies the LNG refueller network, provides driver and workshop training, site audits and can facilitate the entire conversion process.

More recently EVOL LNG has also been appointed distributor of the American Power Group Inc V5000HD dual fuel system. With over 10 years of experience in the LNG industry, EVOL LNG's knowledge and application of LNG is second to none in Australia.

### **What is LNG?**

LNG is a clear, colourless, non-toxic liquid that is produced when natural gas is cooled to minus 161 degrees Celsius at atmospheric pressure.

Being 600 times the density of natural gas and three times the density of compressed natural gas (CNG), LNG is the most efficient method of transporting and storing gas.

LNG is vaporised or 'reconverted' back to its natural gas state when required for use in applications such as industrial applications, power generation, heating and transport.

## **The advantages of LNG as a transport fuel**

LNG fuel delivers the best outcomes for companies operating long haul fleets over medium to large distances.

LNG offers several environmental benefits over its oil-based counterparts; compared to diesel, the most traditional heavy transport fuel, natural gas burns more cleanly and with lower carbon emissions.

Australia has an abundant supply of natural gas reserves, providing natural advantages in terms of supply security and pricing stability when compared to diesel.

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