



## LWP PROVIDES UPDATE ON GRAPHENERA INVESTMENT

ASX ANNOUNCEMENT

7 July 2016

Energy Technology company, **LWP Technologies Limited (ASX: LWP)** (“LWP” or “the Company”), provides the following information to Shareholders.

Since LWP’s market release on 14 June 2016, LWP has finalised its investment in Graphenera Pty Ltd (**GraphenEra**), which entity will progress work on the Graphene Synthesis and Aluminium-Graphene-Air battery technology outlined in the previous release.

LWP holds 50% of Graphenera. LWP’s joint venturer in GraphenEra is VVV Technologies Pty Ltd, a company associated with Viktor Volkov.

Prior to finalising its investment, LWP undertook extensive due diligence. This due diligence included retaining independent technical consultants and patent attorneys to examine intellectual property rights and the patent applications in relation to the Graphene Synthesis and Aluminium-Graphene-Air battery technology.

It has come to LWP’s attention that certain social media commentary has commented adversely on Graphenera, the technology being considered and progressed and some of the participants involved. There is concern that these rumours may result in trading in LWP shares on a misleading and uninformed basis.

As a consequence of this, the LWP board, despite having successfully completed all of its due diligence investigations, has taken further steps and made further investigations and inquiries, in the best interests of LWP shareholders.

The board is pleased to report that after these further investigations and inquiries, nothing has come to LWP’s attention which would cause concern in respect of either the nature or extent of the due diligence undertaken prior to the investment in GraphenEra, nor which would undermine the confidence and belief the board and management of both LWP and Graphenera having in the Graphene Synthesis and Aluminium-Graphene-Air battery technology.

LWP will continue to update the market as and when required and where considered appropriate.

- ENDS -

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**About LWP Technologies**

LWP Technologies Limited (LWP) is an Australian energy technology company focused on commercialising its disruptive energy technologies. LWP developed its next generation, fly-ash based proppants for use in hydraulic stimulation of oil and gas wells globally and commenced proppant production from its pilot scale proppant manufacturing plant in Queensland, Australia, in Q3, 2015. The Company has developed (1) an ultra low cost ceramic proppant which has the potential to compete with mined frac sand on price in shallow wells, as well as (2) a high end ceramic proppant for deep wells. LWP is seeking to commercialise its proppants as a cost effective, superior alternative to bauxite and clay based ceramic proppants, typically used in fracking operations currently. LWP plans to seek joint venture partners and/or licensing agreements to commercialise its proppant products, and deliver significant returns to shareholders.

LWP has also acquired a 50% share in AI-Graphene Synthesis technology, with the first application targeting AI- Graphene batteries for the electrical vehicle and home storage markets.

**About Graphene Synthesis and AI-Graphene Battery Technology**

Graphene is a monolayer of sp<sup>2</sup> bonded carbon atoms in a honeycomb lattice which, since its discovery in 2004, has seen a surge in research over the last decade due to its high current density, ballistic transport, chemical inertness, high thermal conductivity, optical transmittance and super hydrophobicity at nanoscale. Graphene is considered to become the building block for the next industrial revolution creating bendable phones, tiny self-powered oil and gas sensors, synthetic blood and superclass battery technology. LWP's Joint Venture, GraphenEra, has the technology rights to both the chemical synthesis/manufacturing process of quality graphene on a cost effective commercial scale and to build a proprietary designed aluminium graphene oxygen battery proto-type that will have vastly superior features compared to current Lithium based batteries, as the first steps in commercialising the suite of novel patent applications in this revolutionary technology field.

**About Proppants Technology**

Proppants are a sand-like commodity used to 'prop' open fractures in shale rocks which allows oil and gas to flow. Proppants are often the single largest cost item in the hydraulic stimulation process and represent a multi-billion dollar global market annually. Traditional ceramic proppants are made from clay and/or bauxite. LWP Technologies ceramic proppants are majority manufactured from fly-ash, a by-product of coal fired power plants. The Company is of the view that its unique proppant product has the potential to lead the industry due to:

- low manufacturing cost and low logistic costs have the potential to compete with mined frac sand on price;
- the widespread abundant availability of fly-ash, often near to oil and gas shale resources;
- the ultra-light weight of LWP fly-ash proppants; and
- the ability of LWP proppants to withstand the very high pressures and heat of deep wells.

LWP proppants have been certified by Independent Experts to meet or exceed both the American Petroleum Institute standards and the ISO standards.