



GEODYNAMICS LIMITED

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# ASX Announcement

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## ASX / Media Release

### Quantum Power Update

Geodynamics Limited (ASX:GDY) is pleased to advise that Quantum Power Limited, a subsidiary of Geodynamics, has announced that it has secured its 12<sup>th</sup> bio-energy project. The project which is located an hour from Perth, is set to generate up to 1MW of renewable energy for a large West Australian Pork Producer. The project which is being developed under a Build Own Operate Maintain (BOOM) model is expected to commence construction in early 2016.

Project benefits include, on site power generation, savings on electricity bills, reduction of greenhouse gas emissions and the added environmental benefits of improved effluent management. For further detail on the project please refer to the attached press release.

### Quantum Power – Take-over

Geodynamics announced the off-market takeover bid for Quantum Power on 14 July 2015. The Offer was freed of Defeating Conditions by Geodynamics on 1 September 2015, with Geodynamics currently holding 99.85 percent of the issued shares in Quantum Power.

For further information, please check our website ([www.geodynamics.com.au](http://www.geodynamics.com.au)) or contact Mr Geoff Ward on + 61 7 3721 7500. Media and investor inquiries may also be directed to Friederike Graser, on +61 7 3721 7588.

Geoff Ward  
Managing Director and Chief Executive Officer

# MEDIA RELEASE

## **Quantum Power Secures project number 12**

Award winning Gold Coast bio-energy company, Quantum Power Limited has secured its 12<sup>th</sup> biogas project with a large Western Australian Pork Producer, cementing its position as Australia's leading Biogas Company. This project will be the 6<sup>th</sup> project Quantum Power will undertake within the Australian Pork Industry.

The project, located an hour from Perth, is set to generate up to 1 MW of renewable energy by converting manure from the pig housing facility into biogas. The biogas will be refined and used as a fuel for the new renewable power station that will be constructed on site. The renewable energy produced will be equivalent to the power consumption of over 600 homes.

Quantum Power has proposed the development of the project under a Build Own Operate Maintain (BOOM) model, with the Pork Producer entering into a long term power purchase agreement with Quantum. This will be the first of its kind for a biogas project within the Australian Pork industry. "BOOM" projects are becoming increasingly popular in the commercial sector, offering companies the opportunity to access green power generated on site using their organic by-products at cheaper rates and with no upfront costs.

Quantum Power is targeting the commencement of construction of the Anaerobic Digestion facility and power plant for early 2016, conditional upon a number of factors, including all relevant regulatory approvals, qualification for registration under relevant renewable energy and emissions reduction fund legislation and approval by the Board of Quantum Power Limited.

Quantum Power was recently acquired by Geodynamics Ltd - a Brisbane-based renewable energy company. Quantum's leading market position and strong project pipeline make for an attractive investment opportunity for Geodynamics. The merger, which is endorsed by Quantum Board and accepted by shareholders, will create a stronger combined entity with increased engineering and project financing capacity, enabling Quantum to chase larger projects.

Quantum Power Business Development Manager, Kunal Kumar, said the biogas project will deliver environmental benefits and energy savings to the facility by offsetting 100 per cent of grid-supplied electricity for the client, making the operation self-sufficient.

"The engineered anaerobic digestion system and biogas fuelled power station, will take between six and nine months to construct. Once built, the digestion system will convert the organic load within the manure to biogas, comprising approximately 60 percent methane," Mr Kumar said.

“The biogas, which would otherwise escape to the atmosphere, is being harvested and treated before being used as fuel for onsite electricity generation. The covered Anaerobic Digester will also reduce odour coming from the treatment of manure compared to the current system in place.”

He said Quantum Power's biogas solutions were ideally suited to abattoirs, dairy producers, pig producers, layer and meat chicken producers, and other food processing industries.

“The engineered anaerobic digestion system will not only save the facility a significant amount on their electricity bills over many years by replacing expensive power drawn from the grid – it is also remarkably better for the environment, as methane has 21 times the global warming effect of carbon dioxide,” he continued.

Mr Kumar confirmed that recent announcements regarding a bi-partisan approach to the Renewable Energy Target and the outstanding success of the Federal Government's first auction of Australian Carbon Credit Units under the Emission Reduction Fund were a major catalyst for the decision to tender for the project, demonstrating that a stable policy environment is critical for the success of the renewable energy industry in Australia.

## **ENDS**

For all enquiries contact Kunal Kumar on 0405 412 078 or email [kunal@quantumpower.com.au](mailto:kunal@quantumpower.com.au)

## **About Quantum Power Limited**

Quantum Power Limited is Australia's leading biogas company, having designed and constructed more biogas-fuelled power stations in Australia than any other provider. The group is a developer, owner and operator of power stations generating electricity and co-generated heat primarily from biogas.

Quantum Power provides complete turnkey solutions and also offers its unique build, own, operate and maintain model to provide its customers the benefits of anaerobic digestion systems and biogas fuelled power stations without the need for upfront capital. Website: [www.quantumpower.com.au](http://www.quantumpower.com.au)