



ASX ANNOUNCEMENT, 19th March 2019

VIVID TECHNOLOGY ENTERS AGRITECH AND MEDICAL CANNABIS GROW LIGHTING MARKET

- ***Vivid Technology in discussions with global partners across general agribusiness and more specifically the medical cannabis market segments***
- ***Working with a global technology partner to jointly develop a patented proprietary horticulture lighting system***
- ***Vivid Technology's world class MATRIXX® technology adapted and patented to substantially reduce agricultural lighting energy costs via intelligent lighting control and Klarity® analytics reporting systems, optimized for Agri / Horticulture market segment***

Vivid Technology Limited (ASX: VIV) is pleased to announce it has commenced work with several interested parties to develop high energy efficiency solutions for the horticulture lighting and medical cannabis markets.

Vivid Technology will design, specify and supply an optimized MATRIXX® intelligent lighting control and Klarity® reporting systems, to support the specific requirements for the controlled environment Horticulture and Agritech market and the more highly regulated medical cannabis cultivation industry.

Vivid Technology's patented technology will deliver significant energy efficiency, substantially reducing both lighting operating costs and energy consumption, providing customers with a sustainable strategic competitive advantage.

The overall, food and agribusiness is a USD\$5 trillion¹ industry that represents 10 percent of global consumer spending. The total medical cannabis market was worth USD\$16 billion in 2018 and is expected to grow to USD\$79 billion by 2025².

Vivid Technology Platform

The horticulture lighting market is seeing significant change, via retrofitting traditional light sources with LED grow lights. Vivid Technology will leverage the experience and technology developed within its MATRIXX® Lighting Systems to assist with solving one of the major challenges in the industry today being the cost and efficiency levels of lighting of green/glass-houses.

As the Controlled-environment Agriculture market continues to expand, growers will focus on identifying new and viable ways to grow crops in a financially sustainable way over long periods.

Vivid Technology is partnering with local and international groups, who provide reach and significant growth opportunities, to prove its patented technology initially in Australia prior to launching globally.

¹ <http://www.worldbank.org/en/topic/agriculture/brief/help-farmers-reach-markets>

² Market research conducted by Statista, Energias Market Research and Cannabinindex

Medical Cannabis – Commercialisation of Platform

Vivid Technology is currently in advanced discussion with several medical cannabis growers, to provide an adapted horticulture version of its MATRIXX® intelligent lighting control and Klarity® reporting systems for both new and retrofit builds. The medical cannabis market is characterised by strong compliance within significantly controlled environments, requiring lighting technology to operate in the most demanding of agricultural environments. With typically smaller size growing areas and higher costs, the medical cannabis market requires high efficiency for economic returns.

In meeting these exacting requirements, Vivid Technology will have a globally differentiated product which will provide even greater value when applied to the general food production market segment. Vivid Technology is closely working with a global technology partner to jointly develop a patented proprietary horticulture lighting system again focused on Energy Efficiency. The joint development will see both parties utilise a combination of advanced technologies to deliver new solutions to agribusiness customers globally.

An initial proof of concept has been successfully established with promising initial results and feedback. During the 4th quarter of FY19, Vivid Technology is moving to receive independent scientific validation of the systems' energy efficiency gains and biomass production capacity, within a fully controlled environment in Victoria. Upon successful completion of these studies, Vivid would look to begin production and installation in 1H 2020, on the back of prospective orders with current partners.

The key requirement for success in delivering leading energy efficiency within this market segment, is the ability to provide a combination of both hardware and software analytics, to systematically extract the required cost efficiencies. Vivid Technology is in a unique position to leverage its expertise and success from its MATRIXX® intelligent lighting control and Klarity® reporting systems to provide the horticulture market customers a scientifically proven and validated system, that delivers tangible and verifiable cost savings.

– ENDS –



Businesses of
Tomorrow 2017 WINNER



NATIONAL
ENERGY EFFICIENCY
AWARDS 2017
WINNER



PARTNER
FOR GROWTH
IMAGINE THE POSSIBILITIES

About Vivid Technology

Vivid Technology Limited is a multi-award winning, diversified, innovative Australian clean technology company that delivers intelligent energy efficiency solutions and carbon reduction through IoT and CO₂-to-fuel conversion technologies.

Vivid Technology has a range of clean tech solutions, including innovative and intelligent IoT Industry 4.0 MATRIX[®] lighting platform. Vivid's MATRIX[®] unique intelligent lighting control system combines a state of the art, human centric lighting system with unrivalled energy efficiency, reducing lighting energy costs by up to 90%. Delivering exceptionally high energy efficiency savings and carbon reductions, MATRIX[®] captures and converts smart data to provide site intelligence for industrial and infrastructure sectors. Vivid's technology is easily installed and provides businesses the infrastructure for an IoT and industry 4.0 future. Vivid Technology is full turn key solutions partner.

Vivid Technology Limited is a [B Corp](#)[™] certified and EcoVadis Silver Accredited company, which highlights the company's approach to driving business solutions with a strong corporate social responsibility.

Vivid Technology - www.vividtechnology.com.au

About NewCO2Fuels

NewCO2Fuels is a subsidiary of Vivid Technology. NewCO2Fuels' cutting-edge technology profitably converts CO₂ into multi-purpose fuels (Diesel, Methanol or Hydrogen) and Oxygen.

NewCO2Fuels – www.newco2fuels.co.il



Businesses of
Tomorrow 2017 WINNER



NATIONAL
ENERGY EFFICIENCY
AWARDS 2017
WINNER



For Further Information Contact

Raphael Fiorini

Chief Commercial Officer
Vivid Technology LTD
T: +61 3 8625 0500 | M: +61 405 316 706
E: Raphael.Fiorini@Vividtechnology.com.au

Nadya Krienke-Becker

Chief Marketing Officer
Vivid Technology LTD
T: +61 3 8625 0500 | M: +61 414 672 863
E: Nadya.KrienkeBecker@Vividtechnology.com.au

Company Website

www.vividtechnology.com.au

Media Toolkit

Free to use company images, photos and logos for articles and publications
[Vivid Technology Media Toolkit](#)



Businesses of
Tomorrow 2017 WINNER



NATIONAL
ENERGY EFFICIENCY
AWARDS 2017
WINNER



PARTNER
FOR GROWTH
IMAGINE THE POSSIBILITIES