



ASX ANNOUNCEMENT, 26th July 2016

Advanced Manufacturing collaboration with CSIRO

Greenearth Energy Limited (ASX: GER) (“Greenearth Energy”) has announced a collaboration with CSIRO to develop advanced manufacturing processes for the design and development of energy efficient lighting solutions.

The collaboration involves a number of targeted research projects focused on the production methods, materials and technologies which Greenearth Energy’s subsidiary Vivid Industrial uses in lighting applications.

This collaboration with Australia's pre-eminent (and world renowned) scientific research organisation is a major testament to Vivid Industrial's best-of-breed technology. It has already seen the development of technology which will reduce a current best practice manufacturing process used by Vivid Industrial, from 24 hours to one minute.

This will yield substantial productivity and quality benefits for Vivid Industrial’s locally-designed and manufactured Matrixx® intelligent LED lighting products, and allow it to compete successfully in a global market dominated by products manufactured in low-cost countries. Such process improvements also assist Vivid Industrial to rapidly scale its capacity in response to demand.

Greenearth Energy Chief Operating Officer Urbain Du Plessis believes the collaboration is an example of how the research community and emerging technology efficiency companies can successfully partner to provide tangible commercial impact.

“We have found that when we focus CSIRO’s broad scientific vision and deep knowledge base, combined with its capacity, enthusiasm and mental agility on specific areas, highly innovative, commercially-relevant solutions are rapidly developed,” Mr Du Plessis said.

Dr Timothy Hughes, a manufacturing research team leader at CSIRO, re-affirmed the benefit of having complementary expertise from both a research team and commercial company to collaborate on solutions that provide tangible commercial impact.

“The partnership with Greenearth Energy highlights the commercial benefit that can be achieved when commercial organisations work with research institutions like CSIRO,” Dr Hughes said.

“The outcome from this collaboration has been a significantly improved manufacturing process providing Greenearth Energy with a distinct advantage in being able to ensure their ability to be competitively viable on a global stage.”

Greenearth Energy received a grant to begin work with CSIRO through CSIRO’s SME Connect program which facilitates grants for small and medium businesses to access research expertise. The grant was provided by Innovation Connections as part of the Department of Industry, Innovation and Science Entrepreneurs’ programme.

About Greenearth Energy Limited

Greenearth Energy Limited is a diversified Australian-based renewable energy company with interests in technology-focussed solutions in the industrial energy efficiency and CO₂-to-fuel conversion markets.

Greenearth Energy Ltd - <http://www.Greenearthenergy.com.au>

About Vivid Industrial

Vivid Industrial is a subsidiary of Greenearth Energy Ltd, providing customised, intelligent and energy efficient cloud based solutions for our growing industrial and infrastructure client base. The "internet of lights" and "cloud based monitoring" delivers quantifiable efficiencies and significant cost savings with environmentally sustainable benefits for our customers.

The business' core technologies are designed for application in warehouses, distribution centres, cold storage facilities, ports, stadiums, car parks, roads and tunnels. Vivid Industrial is a trusted partner to our customer base of blue chip, industrial companies.

Vivid Industrial recently acquired Ilum-a-Lite, a business specialising in creating highly effective, energy-saving lighting solutions predominantly for commercial and government clients that generate significant cost savings and reduce environmental impact.

Vivid Industrial - <http://www.vividindustrial.com>

Ilum-a-Lite - <http://www.ilumalite.com/>