Disclaimer

Summary information - This presentation has been prepared by Greenearth Energy Limited (ACN 120 710 625) (“Greenearth or “Company”). This presentation contains summary information about Greenearth and its subsidiaries and their activities current as at the date of this presentation. The information in this presentation is a general background and does not purport to be complete. It should be read in conjunction with Greenearth’s other periodic and continuous disclosure announcements lodged with ASX, which are available at www.asx.com.au.

Not financial product advice - This presentation is for information purposes only and is not a prospectus, product disclosure statement or other offer document under Australian law or the law of any other jurisdiction. This presentation is not financial product or investment advice, a recommendation to acquire Greenearth securities or accounting, legal or tax advice. It has been prepared without taking into account the objectives, financial or tax situation or needs of individuals. Before making an investment decision, prospective investors should consider the appropriateness of the information having regard to their own objectives, financial and tax situation and needs and seek legal and taxation advice appropriate to their jurisdiction. Greenearth is not licensed to provide financial product advice in respect of Greenearth securities. Cooling off rights do not apply to the acquisition of Greenearth securities.

Past performance - Past performance information given in this presentation is given for illustrative purposes only and should not be relied upon as (and is not) an indication of Greenearth's views on its future financial performance or condition. Investors should note that past performance, including past share price performance, of Greenearth cannot be relied upon as an indicator of (and provides no guidance as to) future Greenearth performance including future share price performance.

Future performance - This presentation contains certain “forward-looking statements”. The words “expect”, “anticipate”, “estimate”, “intend”, “believe”, “guidance”, “should”, “could”, “may”, “will”, “predict”, “plan” and other similar expressions are intended to identify forward-looking statements. Indications of, and guidance on, future earnings and financial position and performance are also forward-looking statements. Forward-looking statements, opinions and estimates provided in this presentation are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward-looking statements, including projections, guidance on future earnings and estimates, are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance. The forward-looking statements in this presentation speak only as of the date of this presentation. Subject to any continuing obligations under applicable law or any relevant ASX listing rules, Greenearth disclaims any obligation or undertaking to provide any updates or revisions to any forward-looking statements in this presentation to reflect any change therein. This presentation contains such statements that are subject to various risk factors. It is believed that the expectations reflected in these statements are reasonable, but they may be affected by a range of variables which could cause actual results to differ materially. No representation, warranty or assurance (express or implied) is given or made in relation to any forward-looking statement by any person including Greenearth. In particular, no representation, warranty or assurance (express or implied) is given that the occurrence of the events expressed or implied in any forward-looking statements in this presentation will actually occur.

Investment risk - An investment in Greenearth securities is subject to investment and other known and unknown risks, some of which are beyond the control of Greenearth, including possible delays in repayment and loss of income and principal invested. Greenearth does not guarantee any particular rate of return or the performance of Greenearth, nor does it guarantee the repayment of capital from Greenearth or any particular tax treatment. Persons should have regard to the risks outlined in this presentation.

Not an offer - This presentation is not and should not be considered an offer or an invitation to acquire Greenearth securities or any other financial products and does not and will not form any part of any contract for the acquisition of Greenearth securities. By accepting this presentation you represent and warrant that you are entitled to receive such presentation in accordance with the above restrictions and agree to be bound by the limitations contained herein.
OUR COMPANY
Our Company

Group Structure

Energy efficient industrial and commercial lighting

World leading technology company, achieving energy savings of >80%

Being deployed by key blue chip customers in Australia & overseas

Enabling development of high margin recurring revenue

The Australian Industrial & Commercial lighting replacement cycle market generates ~$1bn of turnover annually

Transforming CO₂ into a useable fuel

NewCO2Fuels has an independently validated and globally awarded technology that converts CO₂ into fuel using solar or waste heat as the energy source

Now in commercialisation phase

Externally managed (passive) investment

Greenearth Energy Ltd has a 33.33% economic interest in NewCO2Fuels
Our Company
Differentiation

- **ENERGY EFFICIENCY:**
  Increasingly a key focus across all industries, providing a clear market opportunity. Simply put, energy efficiency is a key contributor to overall profitability, productivity and sustainability. Our intelligent lighting platform provides the greatest lighting energy efficiency reductions available today.

- **UNIQUE & PROVEN TECHNOLOGY:**
  The company has developed a leading edge, locally developed and manufactured, intelligent lighting platform specifically designed from the outset as a highly modular, plug and play system which is specifically designed for harsh industrial and commercial environments, across both local and international markets.

- **DIFFERENTIATED COMMERCIAL MODELS:**
  The system has already been installed in some of the most demanding Blue Chip companies, both affirming the platform’s capability in delivering superior lighting and maximum savings under the harshest conditions supported by an innovative Save’n’Share commercial model which is unique in the industry.

- **EXECUTING ON GROWTH:**
  The company is executing on growth, with a substantial increase in pipeline across both domestic and international customers emerging. This in conjunction with endorsement from a growing number of large blue chip companies using the platform, provides a solid foundation for future growth.
Our Company
Statistics

Capital Structure

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Share Price (11 October 2016)</td>
<td>6.5 [cps]</td>
</tr>
<tr>
<td>Ordinary shares on issue</td>
<td>362.5 [m]</td>
</tr>
<tr>
<td>Unlisted options (7.5 - 20.0 [cps])</td>
<td>47.7 [m]</td>
</tr>
<tr>
<td>Market capitalisation</td>
<td>23.6 [$m]</td>
</tr>
<tr>
<td>Cash</td>
<td>1.3 [$m]</td>
</tr>
<tr>
<td>Debt</td>
<td>0.5 [$m]</td>
</tr>
</tbody>
</table>

1 as at 30th June 2016

Shareholders

<table>
<thead>
<tr>
<th>Shareholder</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ilum-a-Lite vendors (in aggregate)</td>
<td>7.6%</td>
</tr>
<tr>
<td>Erdi Fuels</td>
<td>5.3%</td>
</tr>
<tr>
<td>UBS Nominees</td>
<td>5.2%</td>
</tr>
<tr>
<td>Advance Publicity</td>
<td>4.8%</td>
</tr>
<tr>
<td>Hub and Spokes</td>
<td>4.6%</td>
</tr>
<tr>
<td>Board</td>
<td>4.6%</td>
</tr>
</tbody>
</table>

Management & Board

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charles Macek</td>
<td>Non-Executive Chairman</td>
</tr>
<tr>
<td>Samuel Marks</td>
<td>Managing Director</td>
</tr>
<tr>
<td>Robert Annells</td>
<td>Non-Executive Director</td>
</tr>
<tr>
<td>Leslie Butterfield</td>
<td>Non-Executive Director</td>
</tr>
<tr>
<td>John Kopcheff</td>
<td>Non-Executive Director</td>
</tr>
<tr>
<td>Philip Zajac</td>
<td>Non-Executive Director</td>
</tr>
<tr>
<td>Robert Smith</td>
<td>CFO &amp; Company Secretary</td>
</tr>
<tr>
<td>Urbain du Plessis</td>
<td>COO – Vivid Industrial</td>
</tr>
<tr>
<td>Mark Rutherford</td>
<td>MD – Ilum-a-Lite</td>
</tr>
</tbody>
</table>

Share Price Chart

<table>
<thead>
<tr>
<th>Month</th>
<th>Share Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul-16</td>
<td>$0.02</td>
</tr>
<tr>
<td>Aug-16</td>
<td>$0.04</td>
</tr>
<tr>
<td>Sep-16</td>
<td>$0.06</td>
</tr>
<tr>
<td>Oct-16</td>
<td>$0.08</td>
</tr>
</tbody>
</table>
Our Company
MILESTONES ACHIEVED
SINCE THE 2015 MICROCAP CONFERENCE

- Revenue growth of 251% year on year
- Proven technology with savings of over 85% of Energy & CO₂ reductions
- Acquisition of Ilum-a-Lite (Commercial Energy Efficiency focus)
- LOI signed with potential commercialisation partners
- International recognition / awards
- Investment is complete at 33%
Our Company
Financials

- Year on year growth of 251% of revenue underpinned by product deployment & acquisition.

- Scale-up and roll-out of full scale sites providing a diversified and strengthened revenue stream.

- Sales pipeline growing and containing a good mix of smaller contracts and high value installations, along with long term revenue opportunities.

- Targeting ongoing revenue growth for 2017 across Australian and International customer base.
INDUSTRIAL ENERGY EFFICIENCY
Vivid Industrial & Ilum-a-lite provide customised, intelligent and energy efficient lighting solutions to enhance industrial, commercial and infrastructure businesses.

- Reduce electricity, energy costs and CO₂ footprint
- Decrease lighting maintenance costs
- Measure performance with smart lighting controls and analytics
- Improve light quality
OUR UNIQUENESS
Our Uniqueness
Inspiring A Lighting Revolution

All photos taken at the same site, same time, with the same camera and exposure settings and no post processing applied.

Existing Lighting

- **Metal Halide highbay**: 1760W
- **Average Lux**: 20
- **Avg. operating load**: 1.8kW

Vivid Industrial Installation

- **Matrixx System**: 850W
- **Average Lux**: 426
- **Avg. operating load**: 0.4kw

**BEFORE**

**AFTER**

+6 times more light
<25% of the prior energy usage
>$100k annual energy savings
Our Uniqueness
Selling LIGHT... not Lights

Lighting as Energy Efficiency

Lighting as a Service

Lighting As A Platform

Vivid Technology

Intelligent Industrial Lighting System
Our Uniqueness
Intelligent Industrial Lighting System

Our platform combines the most advanced industrial digital LED drivers and lighting control systems with world class LED industrial luminaires. Setting a new industry benchmark for efficiency, longevity and intelligent control of industrial lighting.

Our platform takes a new system design approach. A fully plug and play modular architecture offering full end-user maintainability and the ability to exploit the ongoing rapid advancement in LED technology at low cost.
OUR MARKET SEGMENT
Our Market Segment
A combined large and growing addressable market

- Vivid Industrial & Illum-a-lite provide customised intelligent & energy efficient lighting solutions to industrial, commercial & infrastructure businesses
Our Market Segment
Australian Industrial & Commercial Lighting
Addressable Market Opportunity

Australian Annual Lighting Market (AU$billion)

- Industrial, Commercial & Infrastructure: 41%
- Portable, parts & other: 39%
- Residential: 20%

$2.6B

Global Lighting Market Annual Revenues (AU$billion)

- Industrial, Outdoor & Commercial: 44%
- Portable & Other: 17%
- Residential: 22%
- Parts & accessories: 17%

$110B

Source: Source McKinsey, IBIS and Comp Estimates
Source: Freedonia Research
### Our Market Segment

#### Competitive Landscape

<table>
<thead>
<tr>
<th>Hubbell</th>
<th>Acuity Brands</th>
<th>Digital Lumens</th>
<th>enLighten</th>
<th>Dialight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ticker</td>
<td>HUB-A (NYSE)</td>
<td>AYI (NYSE)</td>
<td>Private</td>
<td>Private</td>
</tr>
<tr>
<td></td>
<td>- Designs, manufactures, and sells electrical and electronic products in the United States and internationally. It operates through two segments, Electrical and Power. - Headquartered in Shelton, CT.</td>
<td>- Designs, produces, and distributes lighting solutions, components, and services for commercial, institutional, industrial, infrastructure, and residential applications. - Headquartered in Atlanta, GA.</td>
<td>- Developing and implementing next-generation LED lighting solutions, combining LEDs, networking, and software into a single, integrated. - Headquartered in Boston, MA.</td>
<td>- Sensor and analytics platform, provides smart energy solutions for commercial environments. - Headquartered in Sunnyvale CA</td>
</tr>
<tr>
<td>Summary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Products</td>
<td>Electrical Systems, lighting, power systems.</td>
<td>Indoor and outdoor lighting, stand-alone lighting controls for component-based systems, wall dimmers and timers, and systems for controlling large areas.</td>
<td>Intelligent high bay and linear LED alternatives, high-performance fixtures, digital light agents for commercial and industrial environments and intelligent lighting systems.</td>
<td>Digital sensors, room lighting controls, lighting/energy control systems.</td>
</tr>
<tr>
<td>Valuation</td>
<td>AU$7.7B</td>
<td>AU$12.0B</td>
<td>Q4 CY14 - US$23m Private Round</td>
<td>Q3 CY14 - US$20m Private Round</td>
</tr>
</tbody>
</table>

- Dialight is a world leader in applied LED technology for industrial, commercial and hazardous areas and no.1 in traffic lights. - Dialight plc is headquartered in the UK.
OUR GROWTH STRATEGY
Our Growth
Our Customers

A combined **Industrial & Commercial** offering

- Targeting both landlords and tenant companies.
- A growing base of blue-chip customers who are requesting additional site upgrades across their portfolio.
- Targeting large property owners and operators, including tenants.
- Proven ability in large scale, geographically diverse infrastructure upgrades
Our Growth

Global Expansion

- Matrixx was designed with global reach and capability in mind
- Currently reviewing expansion opportunities across South East Asia and Latin America
Our Growth
Significant Pipeline Opportunity

Estimated portfolio assets of target customers within primary market
>$3Bn

Identified portfolio sites under review

Qualified; including proposed & in discussions

“Approved” pending order/CapEx

A one-to-many opportunity… across a growing global customer base
OUR SUCCESS
**Our Success**

**RMIT / Honeywell – EPC upgrade**

<table>
<thead>
<tr>
<th>Snapshot</th>
<th>Significantly reduced maintenance requirements</th>
<th>Improved user comfort and light levels</th>
<th>Reduction in annual greenhouse gas emissions: 1818 t CO$_2$-e</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;55%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Energy Savings
Our Success
Silk Contract Logistics Warehouse

› The left image is an example of a luminaire element dashboard from Vivid Industrial’s cloud based monitoring & control system.

Snapshot

>60% Energy Savings
Intelligently controlled eHID lighting system
89% less lamps than alternate system
Reduction in annual greenhouse gas emissions: 176 t CO₂-e
## Our Success
### Melbourne Ports F-Appleton Dock

<table>
<thead>
<tr>
<th>Snapshot</th>
<th>10 years maintenance free</th>
<th>150% increase in light levels</th>
<th>Reduction in annual greenhouse gas emissions: 119 t CO$_2$-e</th>
</tr>
</thead>
</table>

>75% Energy Savings
Our Success
Linfox Warehouse

<table>
<thead>
<tr>
<th>Snapshot</th>
<th>Matrixx Intelligently controlled LED lighting system</th>
<th>20% less luminaires than traditional system</th>
<th>Reduction in annual greenhouse gas emissions: 528 t CO$_2$-e</th>
</tr>
</thead>
</table>

>85% Energy Savings

>85% saving
Our Success

3rd Party Validation

Linfox internal Solutions Magazine

Refer: December 2015 Solutions Magazine (Pages 18-19) “Shining a Light on Efficiency”.

This is our 7th Linfox facility with proven financial and CO₂ savings.

(http://issuu.com/linfoxlogistics/docs/linfox_solutions_december?e=18121451/32003242)

The Wall Street Journal in September;


http://www.wsj.com/articles/more-companies-are-outfitting-1442197722

The Wall Street Journal 13 September
Technology Investment
World Leading Technology
Turning CO₂ into Fuel

✓ A 33% INTEREST in an ISRAELI HIGH-TECH INNOVATION

✓ PROVEN MODULAR TECHNOLOGY

✓ TURNING THE WORLDS PROBLEM TO A SOLUTION: Carbon Capture Utilisation (CCU)

✓ GLOBALLY RECOGNISED BY GOVERNMENTS and INTERNATIONAL AWARDS

✓ INDEPENDENTLY VERIFIED BY WORLD LEADING ENGINEERING FIRMS

✓ CURRENTLY IN COMMERCIALISATION PHASE

✓ SIGNED LOI WITH #2 GLOBAL FORTUNE 500 COMPANY (2015)
Turning CO₂ into Profits: A 33.33% Interest in NCF technology

- 6 patent applications
- 1 patent granted in the U.S.A, China, Russia, Australia, Israel and Mexico
- 2nd Patent granted in Israel
- Broad in-house know-how
A Modular Product:

One unit running for a year has the equivalent CO$_2$ conversion capability as 3,000 Trees.
A Pilot Testing Facility

Pilot running for a year has the equivalent CO\textsubscript{2} conversion capability as 6,000 Trees.

Key Facts:

- Heat source >800\textdegree}C
- 160 Tonnes of CO\textsubscript{2} processed per year
- CO\textsubscript{2} processing capacity at the rate of 250Kg/day per unit (IE 500kg per day)
- Designed to be built, tested then shipped to industrial sites

NCF Pilot Facility design
Ongoing validation: Milestones, Global Recognition & Relationships

Key Milestones

Research at the Weizmann Institute

NewCO2Fuels Established

Proof of Concept completed: world leading results

Pilot design / Installation at Industrial Facility

Commercial Plants Contracted

2005

2006

2011

2014

2016/17

2018/19

For personal use only
In Summary
Our Company
Two world leading disruptive businesses

- REVENUE GENERATING
- DEMONSTRATED WORLD LEADING ENERGY EFFICIENCY
- EXECUTING ON GROWTH
- PROVEN TECHNOLOGY
- TURNING WASTE INTO PROFITS
- ENTERED COMMERCIALISATION PHASE

Industrial Energy Efficiency Solutions; Intelligent, Sustainable, Profitable
Thank You

Industrial Energy Efficiency Solutions: Intelligent, Sustainable, Profitable

Samuel Marks
Managing Director
samuel.marks@greenearthenergy.com.au
+61-3-8625-0500

For personal use only