

## Renewable Energy

### Mean Sea Level



Hermanus, Western Cape

[www.meansealevel.com](http://www.meansealevel.com)

#### **Marius Hugo**

*Building the world's first commercially viable Ocean Wave Energy Converter*

Mean Sea Level's ocean wave energy converter technology generates renewable energy for coastally bound communities or industries. Our 1MW demonstration project is currently under construction in Hermanus, South Africa, and will be Africa's first commercially operating wave energy converter.

### Solar Incidence



Bloemfontein, Free State

<http://www.solarincidence.co.za>

#### **Deon Du Preez**

*Polymer Solar Water Heating.*

Solar Incidence developed the Solazela™ – a solar water heater that is completely made of polymer materials. The Solazela™ can supply a household with 125 liter of solar heated water per day.

### Twerly Street Lights



East London Industrial Development Zone, Eastern Cape

#### **Nikolas Jankovich**

*Street Lights Powered by Renewable Energy*

Twerly Street Lights provides an off-grid renewable energy power source that can power Street Lights, Wi-Fi and Surveillance Cameras to developers, municipalities and industry that need to provide electricity in noise-sensitive areas without laying cables. Unlike competing solutions, Twerly uses both solar and wind energy to provide consistent power for an extended period.

## **Waste to Energy**

### **Clear Sky Energy**



Johannesburg, Gauteng

<http://www.clearskyenergy.co.za>

#### **Mark Booth**

##### *Highly Efficient Modular Waste to Energy Plants with Negligible Emissions*

CSE in collaboration with Advanced Energy Solutions (Russia) our technology advisors and leaders in the research and development of counter-flow vortex combustion chambers is committed to excellence and leadership in protecting the environment. In keeping with this policy, our objective is to reduce waste and emissions. Together with our engineering partner companies in South Africa we are dedicated to develop, build and deliver unique waste to energy plants maximizing resource value, while minimizing and even eliminating adverse environmental impact.

## **Water Efficiency**

### **Lightspense**



Woodhurst, KwaZulu-Natal

#### **Desmond Seekola**

##### *Low Cost Energy efficient Wireless Meter Reading for Water & Electricity*

We are a high technology company focused on original equipment manufacturing through original, innovative R&D in critical areas such as natural resource conservation. Our products must create value intellectually and socially through job creation and community upliftment. They must have a market, be profitable, exportable, sustainable and environmentally friendly.

## MySmartFarm



Somerset West, Western Cape

<http://mysmartfarm.info/>

### ***Wolfgang von Loeper***

*ICT cloud big data solution for farmers*

MySmartFarm is a one of a kind one-stop-shop-all solution for all a farmer's data; a consolidation of high tech agricultural hardware and services on one cloud platform, designed for quick visual dashboard access, it instruments big data analytics, yielding key insights to empower farmers with eco-intelligent, scientific, real-time advice that saves time and money.

## Pennine Energy Innovation (Pty) Ltd



Midrand, Gauteng

### ***Dudley Jackson***

*Alternative energy and environment*

Pennine Energy Innovation's focus is to provide affordable innovative products and solutions that address the global concerns around energy and the environment. Patented a safe and odourless, low cost, desiccating toilet called, which is quick to assemble and easy to use and keep clean – designed for dense rural communities, informal settlements and as temporary toilets.

## WHC



Pretoria, Gauteng

<http://www.whcpty.com>

### ***Paseka Lesolang***

*WHC Leak-Less Valve*

WHC stands for Water Hygiene Convenience. Water represents our substance focus, Hygiene represents the Green Economy we serve, Convenience represents the innovative solutions and services that we offer to sustain our environment. Our solutions are complementary products for residential faucets; our services are environmental compliancy tailored for industries and projects.