

2014 Global Cleantech Innovation Programme for SMEs in South Africa

Winners Overview



Clear Sky Energy



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

Founder Mark Booth

Functional Area Waste to Energy

Abstract Breakthrough waste to energy technology with dramatically reduced emissions. Our most innovative technology is designed using vortex principles to facilitate complete combustion 99.8%. Due to our unique patented vortex counter flow combustion chambers "Afterburners" we have been able to design waste to energy plants that are cost-effective, highly efficient, have small footprints and have negligible emissions.

Lightspense



Founder Desmond Seekola

Functional Area water conservation , energy management, greenhouse emissions

Abstract We provide accurate automated meter reading and billing for water, electricity and carbon gas emissions. Readings are wirelessly transferred from your house or business to your service provider without human error and intervention. The consumer gets a mobile reading for verification and easy payment. Unlike our competition that continuously drains on the battery, our water meters effectively use battery power for less than 20 seconds a month for monthly reporting .The extra unused battery power is diverted for wireless reporting, minimizing high external wireless infrastructure costs and allowing us to be significantly cheaper than our expensive competitors. Our world first technology helps to facilitate the accurate reporting and management of critical resources such as water, electrical energy usage and greenhouse gas emissions. We are patent pending in 69 countries including the US and China, our technology receiving 12 unique novelty claims from the representative European Patent Office.

WHC



Website <http://www.whcpty.com>

Email Address admin@whcpty.com

Founder Paseka Lesolang

Functional Area Water

Abstract The Leak-Less Valve stops the influx of water at a predetermined level of water going into a cistern. This stops the water lost when not used in a case of a leaking toilet. WHC together with the Vaal University of Technology and University of Johannesburg is currently underway to roll out a test pilot of this innovation and as a result the University of Johannesburg will validate the product.