

Energy Efficiency

EKOGURU



Durbanville, Western Cape

<http://ekoguru.com>



Wynand Goosen

Energy Savings Awareness Application

Ekoguru focuses on delivering Service Innovation through the discipline of Gamification. The Energy Savings Awareness Application utilizes Gamification and Hook principles to stimulate behaviour change and habit formation in energy awareness, and aimed to deliver energy awareness to all members of a family.

GREEN TOWER



Pretoria, Gauteng

www.eco-v.co.za



Andre Nel

Hybrid Solar Heat Pump for Domestic Hot Water

Eco-V aims to commercialize Green Tower that incorporates a leading patented Hybrid Solar Heat Pump for Domestic Hot Water utilising energy and water efficiently. Green Tower delivers hot water using a solar thermal heat pump with improved hot water storage.

ZINGCO ELECTRICAL VEHICLE



Pretoria, Gauteng

www.zingClub.co.za



Santa Scheepers

Battery Swapping Solution for Electric Vehicle

Car battery drawer solution for easy removal and swop-out of car battery instead of re-charging. The battery swapping solution enables instant battery swapping services and reduces time.

Renewable Energy

ECO-MC2



Kempton Park, Gauteng

www.liqe.co.za



Magriet Leaper

Electricity Storage Using Air Compression

Eco-mc² Compressed Air Energy Storage System is a hydraulic high pressure air compression system made of composite material of fiberglass and or carbon fibre with an over 30 year life-span energy power density. The energy derived from the system is carbon zero. The air compression system has low maintenance and low operating cost.

KHAYA POWER



Stellenbosch, Western Cape

www.khayapower.co.za



Dave Lello

Efficient and Safe Micro-Gasifier Stove

Khaya Power is a clean-power technology company striving to directly impact the lives of its customers and partners with their solutions. The FAABulous Solar & Cooking Appliance is an efficient and safe micro-gasifier stove with an electrically driven fan, which is a smoke free and burns biomass efficiently

SOLAZELA



Bloemfontein, Free State



Deon Du Preez

Polymer Solar Water Heater

POLYMER SOLAR WATER HEATING SOLUTION designed with polymer plastic materials that are recyclable. Developed and manufactured in South Africa at low cost utilising high local polymer content. The system is perceived as environmentally friendly and aesthetically engineered.

Waste Beneficiation

COB.TRADE



Westway Office Park, KZN

<http://cob.trade>



Philipp Steiner

On-Line Market to Connect Biomass Vendors & Buyers

BIOMASS.MARKET™ is an interactive application that assists the farmers in efficiently planning biomass harvesting and that assists in connecting the farmers with fixed and/or mobile point-of-sale kiosks where the purchase of the biomass is conducted on the spot.

RESOURCE INNOVATIONS



Cape Town, Western Cape

<http://www.innovations.za.net/>



Darrin McComb

Automatic Processing of Rejected Snack Packets

Resource Innovations is a waste management and consulting company that developed an AUTOMATIC PROCESSING OF REJECTED SNACK PACKETS PROCESS. The automated process beneficiates raw materials from rejected packaged product in the snack food industry. This patented technology automatically opens rejected snack packets and processes the snacks into a product which is useable in the agricultural sector.

THE ROCKET WORKS



Durban, KZN

<http://www.rocketworks.org>



Adrian Padt

High Efficiency Bio-Mass Fuel Stoves

Rocket Works focuses on design, development and manufacture one of clean burning natural draft wood stoves. The ZaMa-ZaMa Wood Stove is high-efficiency biomass fuel stove that reduces harmful emissions and fuel usage by up to 87%.

Water Efficiency

CARBOTECT



Johannesburg, Gauteng

www.carbotect.com



CarboTect™

Robin Kirkpatrick

Cleaning Validation and Optimisation of Water Usage

CARBOTECT is a colour based diagnostic aid; reliable and cost effective tool to monitor and verify quality and safety of consumer products whilst complimenting strategies to conserve water and energy. The diagnostic tool detects ultra-low levels of organic soils in water samples in processing equipment.