A GREEN NEIGHBOURHOOD

- Home grown low carbon building materials
- Passive design suited to climate
- Low flow and low energy fittings
- PV and Solar hot water renewables

- Low impact storm water design
- Low energy aerobic waste treatment
- Reduced demand - Low flow appliances
- Full ‘drinkable’ borehole supply
- Rain water collection for grey water use

GREEN HOMES

WATER

LANDSCAPE

RENEWABLE ENERGY

AN INTEGRATED GREEN AND SUSTAINABLE NEIGHBOURHOOD

- Healthy and happy
- Trim trails and play areas
- Landscape as infrastructure
- Low impact storm water design
- Innovative planting
- ‘Vetiver’ slope stabilisation
- Micro-climatic moderation and soil nourishment

Consultants:

FBW GROUP
WATER CONSULTING EAST AFRICA
STUDIO ENGLEBACK
SONGA OGODA & ASSOCIATES
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CACTUS GREEN PARK
A GREEN AND RESILIENT NEIGHBOURHOOD

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PIONEERING SUSTAINABLE SOLUTIONS FOR GREEN CITIES

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WATER
RENEWABLE ENERGY

LED and Solar street lighting
Low energy lighting
Solar hot water

Healthy and happy
Trim trails and play areas
Landscape as infrastructure
Low impact storm water design
Innovative planting
‘Vetiver’ slope stabilisation
Micro-climatic moderation and soil nourishment

Photovoltaics ‘Net metering’
LED and Solar street lighting
Low energy lighting
Solar hot water

PV and Solar hot water renewables

Innovative planting
‘Vetiver’ slope stabilisation
Micro-climatic moderation and soil nourishment
THE IMPACTS

- A huge fixed and on-going carbon saving.
- Innovative solutions that offer good value and are economical in the medium term (with reasonable payback periods!) and maintainable in the long term.
- An integrated and replicable approach and a pilot for green city development in Rwanda.

FOUR OUTPUTS

1. **Green Homes**
   Pioneering low carbon home grown construction. Passive design suited to the Rwandan climate.

2. **Water and Waste Water**

3. **Solar Renewables**
   Pioneering solar ‘net metering’ and solar hot water for the majority of domestic demand.

4. **Green Spaces**
   A green landscape infrastructure heart, innovative low impact approach to storm water and extensive functional planting.

PRINCIPLES

- Pioneering economically viable green innovations into an integrated neighbourhood proposal.
- A walkable neighbourhood with a green parkland heart and a wealth of amenity. A great place to live in balance with nature.
- Efficient land use and medium density - yet with space to breathe, walk and play.
- Building the capacity of the ‘home grown’ Rwandan construction material industry, providing much needed local jobs, skills and training.