

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 gray water use



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

Consultants:

- FBW GROUP**
- WATER CONSULTING EAST AFRICA**
- STUDIO ENGLEBACK**
- SONGA OGODA & ASSOCIATES**
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LIGHT EARTH DESIGNS LLP

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CACTUS GREEN PARK A GREEN AND RESILIENT NEIGHBOURHOOD

**PIONEERING SUSTAINABLE
 SOLUTIONS FOR GREEN CITIES**



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 DESIGNS LLP**



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.

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.

FOUR OUTPUTS

1

Green Homes

Pioneering low carbon home grown construction. Passive design suited to the Rwandan climate.

2

Water and Waste Water

Rainwater collection and low flow appliances. Clean borehole 'drinkable' water for all. Innovative aerobic waste treatment.

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.

