



## THE ARENA MALL

LRV 4215 folio 18, Plots 41-45, Nsambya Road, Kampala, Uganda

4 Star Green Star – Retail Centre Design v1



**AFRICA**  
South Africa

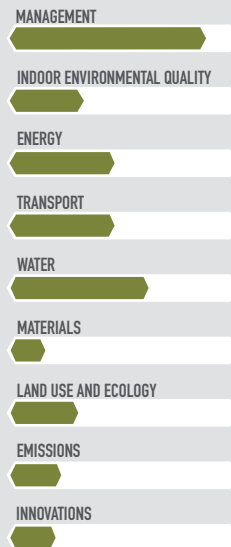
Retail Centre Design v1



TOTAL POINTS:

**45**

CATEGORY SCORES:



### Sustainable building features include:

#### Energy Saving Initiatives

- Sub-metering of major energy consuming systems is in place. Gathering information is key to understanding and managing building systems and to assess opportunities for energy savings.
- Minimisation of Greenhouse Gas Emissions associated with operational energy consumption is reduced. An energy model of the building was generated and in the design stages of the building compared to a notional building model. The building design showed an improvement over a SANS 10400 notional building.
- A high level of thermal comfort is ensured by addressing the internal operative temperatures through modelling and ensuring they are within the ASHRAE Standard 55-2004 Acceptability Limits for at least 98% of occupied hours.

#### Environmental Initiatives

- Tobacco smoke is prohibited inside the building to ensure air quality benefits to the building occupants.
- All selected gaseous and fire suppression systems and thermal insulants used for the development have an Ozone Depleting Potential (ODP) of zero, to eliminate any contributions to long-term damage to the earth's stratospheric ozone layer.
- A project specific Environmental Management Plan was developed and implemented throughout the duration of construction to establish guidelines to follow to minimise the environmental impact associated with construction activities.
- A project specific Waste Management Plan was developed and implemented to minimise the contribution of waste going to landfill. And reduce the environmental impact of the project.

#### Water Saving Initiatives

- The building achieves a savings through the use of water efficient fittings that limit the occupant water usage and rainwater harvesting for irrigation and flushing of toilets.
- Sub-metering of major water consuming systems is in place. Gathering information is key to understanding and managing building systems and to assess opportunities for water savings.
- The building is designed to reduce the consumption of potable water for the building's fire protection and essential water storage systems.

### PROJECT TEAM:

#### OWNER

Chestnut Uganda Limited (CUL) a subsidiary of the STANLIB Africa Direct Property Development Fund (SAPDF)

#### ARCHITECTS

Bowman Associates Architects

#### ELECTRICAL ENGINEER

Loadline Engineering

#### FIRE ENGINEER

Loadline Engineering

#### MECHANICAL ENGINEER

Loadline Engineering

#### PROJECT MANAGER

Betts Townsend

#### QUANTITY SURVEYORS

Integrated YMR Partnership

#### STRUCTURAL ENGINEERS

Ngasi Consultants Ltd

#### SUSTAINABLE DESIGN REVIEW CONSULTANTS

WEB Limited & Solid Green Consulting CC

#### SUSTAINABLE BUILDING CONSULTANT

WEB Limited & Solid Green Consulting CC

#### WET SERVICES

Loadline Engineering

#### MAIN CONTRACTOR

Seyani Brothers & CO

### FLOOR AREAS:

TOTAL GROSS FLOOR AREA (GFA):

**20,607 m<sup>2</sup>**

TOTAL COMMERCIAL RETAIL AREA:

**20,607 m<sup>2</sup>**

CAR PARKING AREA:

**15,963 m<sup>2</sup>**