




## MALL OF AFRICA

Lone Creek Crescent and Magwa Crescent, Waterfall City, Midrand, 1686

4-Star Green Star – Existing Building Performance v1




**AFRICA**  
South Africa

Existing Building Performance v1

★★★★

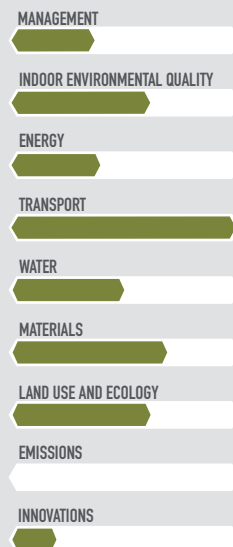
4-Star Rating  
Best Practice  
CERTIFIED DECEMBER 2020



TOTAL POINTS:



CATEGORY SCORES:



FLOOR AREAS:

TOTAL GROSS FLOOR AREA (GFA):	133,553.83 m <sup>2</sup>
TOTAL COMMERCIAL OFFICE AREA:	n/a
CAR PARKING AREA:	n/a

### Sustainable building features include:

Attacq aims to operate the Mall of Africa in such a way that the building minimises its effect on the environment. This is achieved through careful consideration and implementation of a number of sustainability initiatives:

#### Energy Efficiency and Energy Metering

The Mall of Africa applies energy efficient strategies wherever possible, such as:

- Energy efficient lighting.
- High daylight levels to reduce artificial lighting levels.
- Efficient skylight technologies designed to increase light but reduce heat gain where possible.
- Efficient air conditioning systems are applied.
- Careful metering and monitoring of the centre's energy usage to identify and address concerns.

#### Renewable Energy (Solar PV system)

- The Mall of Africa is powered largely by clean renewable energy from its 4.75 Mega Watt on-site solar PV installation.

#### Public Transport

- The Mall of Africa is accessible from the Gautrain and three feeder-bus routes namely the M3, M4-1 and M-42. Tenants and visitors are strongly encouraged to use public transport as opposed to single-occupancy vehicles. This helps save on carbon emissions, and reduces traffic congestion!

#### Water-Efficiency & Rainwater Harvesting

- The Mall of Africa has approximately 450 thousand litres of rainwater storage. In addition to rainwater, tanks are topped up with groundwater seepage which is pumped out of basement sumps. This harvested and re-claimed water helps reduce water use significantly for site irrigation and non-potable uses such as toilet flushing.

● In addition to these sustainability initiatives above, the Mall of Africa has also developed a Building User's Guide for occupants/tenants and a useful Building Operations Manual that was provided to the facilities manager. The Indoor Environment measured confirmed good levels of fresh-air being maintained and lighting comfort is provided by retrofitted electronic ballast energy-efficient luminaires. The building shape and space planning also provides good daylight and views. A Green Travel Plan, Procurement and Purchasing Policy, Landscape-, as well as an Integrated Pest Management Plan were developed for occupants, managers and service providers.

### PROJECT TEAM:

**OWNER**  
Attacq

**ACCREDITED PROFESSIONAL**  
Solid Green Consulting