

ABSA TOWERS WEST

Main and Marshall streets, Johannesburg, South Africa
(First Five Star Green Building in Johannesburg)

PROJECT TYPE: Commercial Office Block

CLIENT:
ABSA

PROJECT DURATION:
22 Months

PROJECT DESCRIPTION:

Construct two separate office buildings for 3800 occupants linked together with an eight-level atrium bridge structure over Marshall Street, and a car parkade that housed the gas powered Energy Centre on its ground and mezzanine levels. The three buildings are linked through their basement parking.

CONTROLS/SOLUTIONS:

- The precinct streets were narrowed to introduce various types of trees to define the urban edge, to reintroduce outdoor artwork, and to improve pedestrian links around the campus to facilitate movement between buildings retail shops and public transportation nodes.
- One of the largest grey water plants ever installed in any office building in South Africa, with a capacity to recycle 45m³ of grey water.
- Over 60% of all the steel used in Absa Towers West has a post-consumer recycled content of over 90%, which greatly reduced the embodied energy of the steel.
- Daylight and motion sensors were installed to further enhance the efficiency and power saving of the building.
- With the building being located in the Johannesburg CBD, the building occupants' overall travel footprint was decreased due to accessibility of various amenities in close proximity.

