

BUSINESS CONNEXION HEAD OFFICE

Centurion, Tshwane, South Africa
(4 Star Green Building)

PROJECT TYPE: Commercial office complex and technical workshops

CLIENT:
BCX

PROJECT DURATION:
22 months

DATE OF PROJECT:
August 2015

PROJECT DESCRIPTION:

The development included many green building features, and achieved a 4-star rating. The sustainability and efficiency factors which form part of the building include:

- Primarily LED lighting.
- Central chilled water system, where water is generated for the building cooling system by high-efficiency air-cooled chillers. All systems is sub metered and linked to a central building monitoring system. Potable water for irrigation purposes was reduced by 55% when compared to LIASA requirements. 80% of all water used in fire testing is circulated back for re-use.
- A low-pressure variable air volume system supplies air via decentralised air handling units at a rate of 7.5l/s/p. CO2 sensors installed at all return air points for 98% of usable area.
- Care has taken to select interior finishes with low VOC and Formaldehyde content.

