

# STREATLEY STUDENT RESIDENCE

Auckland Park, Johannesburg, South Africa  
(Edge Green Residential Building)

**PROJECT TYPE: Residential building for 800 students from the universities of Wits and Johannesburg.**

**CLIENT:**  
Century Property Developers

**PROJECT DESCRIPTION:**  
This development targeted an Edge Sustainability Certificate focussed on the real estate market which required specific green building features.

**CONTROLS:**

The EDGE standard sets at a minimum of 20% reduction across the following categories:

- Energy Consumption
- Water
- Embodied Energy

In order for EDGE to accurately calculate the buildings inputs and outputs using locally adjusted data across the following sets:

- Utility Costs
- Climate Data
- Building Regulations

Care was also taken to select interior finishes with low VOC and formaldehyde content whilst all timber was sourced responsibly.

**MATERIAL FLOW:**

Construction took place within a residential area which is rich in heritage and care was needed at all times to adhere to the local bylaws and residents' requests.

As the site was spread over 235 metres with a narrow roadway making access to site challenging, it was critical that materials were delivered at the correct time to the correct location as there was no space for the stockpiling of materials on site using JIT principles.

