

# Commercial Solar Thermal Case study

Wits University



The University of the Witwatersrand situated in Johannesburg provides housing to 1107 post graduate students.

The students are housed in 13 different accommodation blocks on campus.

The university felt it was necessary to address the amount of energy and water wastage that was occurring in the residences and turned to alt.enerPro for assistance.

## Facts and figures

148 x 302J solar water heater units were installed.

## Needs

A water heating solution was needed to provide students with sufficient hot water throughout the day while still saving energy and bringing down electricity costs.

## Solution

alt.enerPro supplied the systems and design, based on the client's specifications and requirements.

148 Systems were installed with a hot water circulation setup throughout the building.

The solution was to arrange the 148 units in parallel on the roofs of the residences, which provided built in redundancy, easy maintenance and energy savings.



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