

# Commercial Solar Thermal Case Study - Sun City – Vacation Club



Vacation club is a collection of 148 self-catering units, which have recently been renovated, on the Sun City's resort site and are operated by RCI.

The units sleep 4-6 people. Two units share a wall and are distributed as 74 stand alone semi-detached buildings.

## Facts and Figures

148 Solahart 302J units, with 296 collector panels for a total of 592m<sup>2</sup> collector area were installed.

## Needs

The Sun City Vacation Club wanted to reduce the expense incurred due to damage and unit unavailability caused by bursting in-roof Geysers.

Another priority was the reduction of the cost associated with delivering 44,000 litres of water at 55°C as well as the importance of reducing the resort's carbon footprint.

The solution also needed to be aesthetically pleasing.

## Solution

Solahart replaced the existing 250 litre electrical geysers with 148 Solahart 302 J systems fitted with Colorbond skins.

This solution not only resulted in energy savings for the resort but also managed saving of up to 425 tons of CO<sub>2</sub> emissions per year.

This makes the resort more sustainable and reduces its carbon footprint.

