

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 592m² 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 44000 litres of water at 55°C as well as the importance of reducing the resorts carbon footprint.

The solution also needed to be aesthetically pleasing.

Solution

alt.enerPro 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 CO₂ emissions per year.

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



Teal and Green Trading (PTY) Ltd - South Africa
Mail: celliott@altenerpro.co.za
Web: www.solahart.co.za

