

Commercial Solar Thermal Case study

Queen Alexandra Old Age Home



The Queen Alexandra Old Age Home was looking to replace their current gas heated boiler with a solar solution.

Solahart met with the home's management and discussed their requirements.

Solahart designed a solution for them that incorporated their current boilers and enabled the gas heaters to be used as back up instead of electricity.

One of the seven systems was installed on a separate building housing the Alzheimer's patients, and the remaining six are currently in parallel and pre-feed the 2 x 2000-litre boilers.

The old age home's staff is pleased with their new solar water heaters and everything seems to be working well. "The savings will reflect on their gas bill, and we are hoping to reduce the consumption by at least 80%.

The figures are not in yet and will need to be monitored over a period of time to get a good idea of the potential saving, "said Chessman".

Solution

Seven 300-litre solar water heaters were installed together with the home's boilers and gas heaters. The home has approximately 77 residents.

