

Commercial Solar Thermal Case study

Birchwood Hotel and Conference Centre



The Birchwood Hotel and Conference Centre in Boksburg has 665 guest rooms, comprising of 240 double rooms, 258 twin rooms, 67 luxury queen rooms, 80 luxury king rooms, 10 luxury suites, 2 honeymoon suites and 8 rooms for the disabled.

Facts and figures

62 x FH Kf solar water heater units. Three hot water setups: solar water heating, domestic electrical water heating and centralized boiler setups..

Needs

Birchwood hotel and Conference Centre needed a long-term solar water heating solution to protect the hotel against electricity price increases, and to address their environmental responsibilities.

Solution

One centralised commercial Heat Store system was installed to meet water heating requirements of the hotel.

The installation supplies 212 suites with 100 litres of hot water each.

Two 300-litre Solahart solar water heaters provide hot water to six rooms.

Several other energy saving methods are being implemented by alt.enerPro, like water saving products.

Savings have been monitored with on-site monitoring equipment.



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