



**CASE STUDY 3**

**ENERGY SAVINGS – NOVOTEL OASIS RESORT CAIRNS**

Novotel Oasis Cairns is a 314 room resort operated by Accor Hospitality.

The resort has a large freeform swimming pool, restaurant, bar, 24 hour reception and room service, valet laundry and dry cleaning, gymnasium, conference facilities, business centre, tour desk, lobby shop, A KAPLA children’s play area, internet and auster in all rooms.

[www.novotelcairnsresort.com.au](http://www.novotelcairnsresort.com.au)

**THE PROJECT**

The project was to develop actions to reduce energy costs for the resort – Energy Savings Plan.

**THE CHALLENGE**

To understand how the business operated and how energy was being used. We also needed to understand the businesses future plans and energy needs to develop effective energy solutions for the future.

**THE SOLUTION**

The solution was to develop an Energy Saving Plan for the business which provided a list of actions that could be implemented resulting in reduced energy usage and costs.

To develop the plan an Energy Audit was conducted to AS/NZS 3598:2000. This provided a clear understanding of how energy was being used and identified that the key functions for energy use were refrigeration, air conditioning, laundry and water heating.

From this information actions to reduce energy usage were developed in all areas with a focus on air conditioning, refrigeration, laundry and water heating

**THE COST SAVINGS**

The energy cost saving as a result of developing and implementing and energy savings plan was \$85,097 per annum, while greenhouse gas emissions reduced by 803,387 (kgCO<sup>2</sup>e).

**THE FACTS**

Annual CO<sup>2</sup>e savings identified 803,387 (kgCO<sup>2</sup>e)

Annual energy cost savings identified  
\$16,142 (No Cost Actions)  
\$61,192 (Total Plan)

