

ECO³TM PERFORMANCE REVIEW

Commercial Real Estate: Queensland, Australia

Smartcool is presenting these results on behalf of an anonymous client

Business Type	Commercial Real Estate
Location	Brisbane Queensland, Australia
A/C or Refrigeration	Air Conditioning
Brand	Carrier APAC
# of Units	5

Result Highlights

Annual kWh
Reduction
19,019 kWh

kWh
Savings
18.82%

Greenhouse Gas
Reduction
25,654 lbs

Evaluation Period

The evaluation was conducted over a two week period in September and October 2008:

- ECO³TM Off period: September 29 to October 6, 2008.
- ECO³TM On period: September 16 to 23, 2008.

Project Description

A trial installation of the ECO³TM Dual was carried out to optimize the functioning of the two air conditioning compressors in each of the five packaged Carrier units. Each unit includes one 9 ton and one 7 ton compressor.

During the evaluation, the ECO³TM was switched between ON and OFF over a two week period in order to gather comparative performance data.

Energy loggers recorded the amperage consumed by the air conditioning system, while other data loggers tracked the ambient conditions during the evaluation.

Results Summary

The evaluation clearly demonstrates the energy savings achieved by the ECO³TM. When adjusted for ambient conditions, the ECO³TM will be saving an average of 19,019 kWh each year, resulting in significant financial benefits for the client.

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Electricity Reduction

ESM™ OFF: Avg. Daily kWh	232.61
ESM™ ON: Avg. Daily kWh	188.82
Average Daily kWh Reduction	43.79
kWh % Reduction	18.82
Estimated Annual kWh Reduction	19,019

Environmental Benefits

Greenhouse Gas Reduction	25,654 lbs
Tree Equivalent	14 acres
Enough Electricity to Supply	2 homes

