

Case Study Lighting.

Bondi Strata.

An eight storey strata plan property in Sydney's Bondi Junction sought to upgrade its lighting to energy efficient technology in an effort to reduce energy costs. As the lighting in the building was used 24 hours a day, seven days a week the available savings were substantial and the payback immediate thanks to Ecovantage and the Energy Savings Scheme.



The Project.

Ecovantage replaced 71 50w halogen downlights with 63 Carinda 7.6w Series 8 lights and eight Phillips 10.5w LED globes. By replacing 50w halogens with highly efficient LED downlights on a combination of magnetic and electronic transformers in the common areas throughout the building, energy use was reduced by a massive 85%.

The new lights also ensure quality of light in the building is maintained. The energy reduction amounts to a saving of \$6,421 per annum (based on electricity charge of \$0.21/kWh). Maintenance costs will be significantly reduced due to the longer life of LED globes. The upgrade also saved 2,500kg per month in carbon emissions. While these numbers are impressive on their own, by utilising the NSW Energy Savings Scheme the cost of the upgrade was also covered.

The Outcome.

In the case of the apartment building in Bondi Junction, 324 Energy Saving Certificates were created by Ecovantage as part of the Energy Savings Scheme. This covered the entire cost of the upgrade; so over \$6000 in annual electricity charges were achieved at no cost – highlighting the major opportunities available in the commercial space through the use of the Energy Savings Scheme and the uptake of energy efficient technology.

A Small Word From Us.

We implement high-quality, energy-saving technologies and access state and federal energy saving scheme subsidies to help households and businesses save energy and save money.

Highlights.



Estimated annual savings
\$6,400+



Payback period
Immediate



Estimated lighting energy reduction
85%