

# Case Study

## Warehouse and Office.

### Woodrow Kilns.

Woodrow Kilns is Australia's leading manufacturer of quality kilns. After purchasing a new property in Picton to expand their production, they engaged Ecovantage in order to reduce electricity costs and create a safer working environment for their employees.

#### Warehouse & Office.

In the warehouse Ecovantage replaced the existing 56 x 400W Metal Halide highbays with a combination of more efficient 130W & 85W LED fittings.

In addition to the warehouse, a full fit out of the office space was undertaken, consisting of a one-for-one replacement of all recessed T8 fittings, which, taking into account the magnetic ballasts, used 88 watts per fitting. These fittings were replaced with a 24W LED equivalent, achieving significant energy savings and better lighting for improved working conditions.

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#### Key Benefits.

- 75% reduction in lighting energy usage, saving 48 tonnes of CO2 per year
- An estimated \$15,000 saving in electricity costs and maintenance over the course of one year, with lifetime estimated savings of \$238,000
- No more changing globes and tubes on a regular basis
- Peace of mind from the 5 year product warranties
- Total payback period of just 4 months



### Highlights.



Estimated annual savings  
**\$15,000**



Payback period  
**4 months**



Estimated energy reduction  
**75%**