

CASE STUDY

Linfox – Mars Foods Warehouse, “No Brainer” Lighting Upgrade



Equipment Upgrade

Lighting

Annual Energy Savings

7641 MWh

Certificate Value

\$165,000

Project Payback Period

6 months

PROJECT OVERVIEW

Located in Berkeley Vale, Wyong Shire, on the Central Coast of NSW and only minutes from the Mars Foods owned Masterfood’s manufacturing site, is the home of the Linfox Distribution Warehouse. Responsible for picking and despatching domestic Australian orders and exports to New Zealand and the Middle East for Mars Foods. Occupying 32,500 SQM of floor space, Both companies have a long-standing commitment to a safe work environment and sustainability through lower carbon footprint, reduced greenhouse emissions and energy efficiency.

PROJECT CHALLENGES

- Reduce Energy Consumption
- The ongoing cost of inefficient energy consumption, globe replacement and maintenance
- Rising costs associated with increasing electricity prices
- Low light levels did not support a productive work environment, instead creating a dull yellow hue and poorly lit sections
- Maximum return on investment from reducing energy expenditure within the five-year lease cycle
- Installation of a large quantity of lights expanding over a large footprint with minimal interruption to the day to day running’s of the facility

PROJECT SOLUTIONS

- 455 x 450W High/low bay lights were replaced with 125W LED motion detecting lights with Diming to 30% when an area is vacant across 32,500m2 of floor space
- The cost of purchasing and installing energy efficient lighting was significant offset by the upgrade through the financial reward generated from the energy savings certificates
- Lighting energy consumption was reduced by 84% and 1042 tonnes of carbon admissions averted per annum
- Even after project costs a total \$745K saved in energy expenditure over the 5-year lease lifecycle.
- Removed existing and installation of 455 lights within 4 days totally 180-man hours resulting in zero safety incidences.

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