

OUT FOXING ITS COMPETITORS



CASE STUDY



**676 KOROROIT
CREEK ROAD,
ALTONA NORTH**
VICTORIA

The continuous improvement of energy efficiency at LINFOX facilities persist in their overall commitment to become market leaders in energy reduction and carbon footprint.

LINFOX, a well established logistics supply chain company has clearly publicised their new goal to reduce their greenhouse gas emissions by 50% by 2015.

Bala Balamaheswaran, facilities manager at the LINFOX Altona North site in Melbourne, has conducted many energy efficient measures to reduce the facility's carbon footprint. His latest project involved the support of ECS and Eletech Solutions to convert the existing canopy lighting to more efficient type with improved light levels.

The enthusiasm shown by Bala has once again demonstrated the key goals of LINFOX Green Strategy Plan.

KEY OUTCOMES

APPROXIMATELY 34% ENERGY SAVING ON CANOPY LIGHTING

REDUCED MAINTENANCE WITH LONGER LASTING FIXTURES

KEY SOLUTIONS

CONSTANT LIGHT OUTPUT OVER EXTREME TEMPERATURE RANGES (5°C - 70°C)

INCREASED LIGHT LEVELS WITH IMPROVED UNIFORMITY THROUGH A UNIQUE REFLECTOR

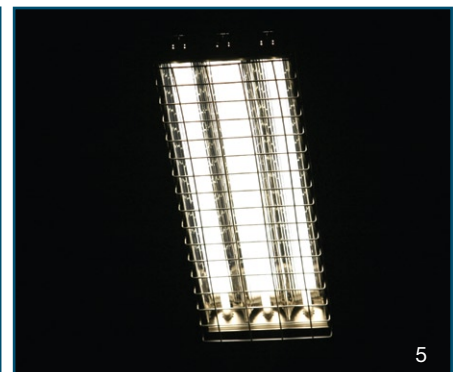
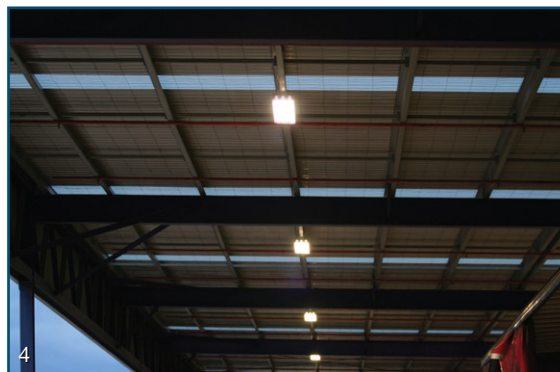


Special Reflector

“The new fittings are magnificent, a massive increase in light levels.”

Bala Balamaheswaran, LINFOX Facilities Manager

Front Image | LINFOX Altona North site, Melbourne, Victoria
 1 | LINFOX Altona North site front office
 2 | Truck loading bay canopy illuminated by Altitude T5[®] high bays
 3 | Sideways dispersal of light. Illuminates the inside of trailers, thus aiding loading and unloading
 4 | Installed Altitude T5[®] high bays under the canopy
 5 | ECS Altitude T5[®] high bay light fitting with Wire Guard



New Fixtures

External Canopy lighting consisted of 250W Metal Halide Low Bay “Shoe Box” fittings with a wire guard protecting the lamp. After closely inspecting these fittings, ECS introduced a one-for-one replacement with our 3 x 54W Altitude T5 with a special reflector of 1.7 Spacing-to-Mounting-Height-Ratio (SHR).

An approximate 34% instant energy saving and increased light levels were achieved. The special 1.7 SHR reflector disperses more light sideways than directly down, allowing for better uniformity of light levels across the truck loading bay canopy.

Furthermore, the Altitude 3 x 54w fittings come with temperature optimize T5 lamps for consistent light output in varying temperatures. Side rails were introduced for those windy conditions in Altona North, and a wire guard to protect them from accidental knock.

ECS is very pleased to be a part of the LINFOX Green Strategy Plan and would like to thank LINFOX, Bala and Eletech Solutions for their assistance in this project.

“There was approximately 34% instant energy saving and increased light levels...”