



# SUSTAINABLE LIGHTING UPGRADE

## CASE STUDY



## TASTY TRUCKS

**15 KEVIN AVE,  
FERNTREE GULLY**  
VICTORIA

Tasty Trucks has gone one step further in its determined commitment to reduce the company's carbon footprint. Following on from their recent development of efficient and environmentally friendly trucks, Tasty Trucks has now retrofitted the company's main facility with new energy efficient ECS Altitude T5<sup>®</sup> fluorescent lighting and light control systems.

Tasty Trucks, a popular mobile meals delivery service, has been involved in a prototype truck that improves heating and cooling efficiency of the oven and refrigerator respectively. Always trying to reduce greenhouse gas emissions, the owner and General Manager, Colin Lear, turned his attention to upgrading the energy performance of his facility in Ferntree Gully which bakes and stores the food used in his business.

The energy performance upgrade involved detailed design, equipment supply, project management, installation and commissioning of a turnkey solution by ECS engineers.

Tasty Trucks has now reduced its carbon footprint by 122 tonnes of greenhouse gas, equivalent to taking 28 cars off the road each year.

### KEY OUTCOMES

ENERGY SAVINGS \$8000/ANNUM

ENERGY SAVINGS 84,000 KWH/ANNUM

GREENHOUSE GAS SAVINGS 122 TONNES PER ANNUM

### KEY SOLUTIONS

AN INTEGRATED TURNKEY ENERGY SOLUTION

INTELLIGENT OCCUPANCY BASED LIGHTING CONTROLS IN OFFICE AREAS

EFFICIENT T5 OFFICE LIGHTING

STAND ALONE ULTRASONIC AND MICROWAVE MOTION DETECTORS THROUGHOUT PRODUCTION AND WAREHOUSE AREAS

VOLTAGE REDUCTION UNITS

REPLACEMENT OF HIGH BAY FIXTURES WITH ECS 4 X 54W ALTITUDE T5<sup>®</sup> FITTINGS



## Turnkey Project

“The staff have noticed much higher lighting levels, especially in the warehouse, and yet we have reduced the load by 45%. It’s great how the motion sensors are integrated into controlling the air-conditioning as well.”

Colin Lear – Owner and General Manager

Front image | Tasty Trucks head office and warehouse, Ferntree Gully, Victoria  
 1 | ECS ultrasonic motion detector  
 2 | ECS Altitude T5® light fittings installed in the workshop  
 3 | Tasty Trucks head office and warehouse  
 4 | T5 efficient light fittings installed in the offices  
 5 | ECS Altitude T5® light fittings installed in the warehouse  
 6 | Tomi Muretic (Left) congratulating Colin Lear of Tasty Trucks for his initiative on reducing the company's carbon footprint



### Turnkey Project

The project involved an ECS engineer conducting a site walk through and designing a complete turnkey solution of energy efficiencies for the facility.

Lighting was upgraded to more efficient T5 lamps in the office spaces and controlled via an ECS intelligent Managed lighting solution. Within the office space, the MLS system also controls the split system air conditioners providing a safe guard against having the cooling or heating left on after hours or over the weekend.

The replacement of inefficient 400W high bay fixtures in the warehouse to ECS 4 x 54W Altitude T5® fluorescent fittings have not only reduced the load by 45% but also the maintenance as the Altitude T5® units have a longer lamp life, multiple tubes and scratch proof miro reflector were simply plugged into the existing sockets.

The combined project was a complete success as installation works were conducted around the staff's busy schedule, providing minimal to no disturbance to normal operation of the facility.

“Lighting and air-conditioning throughout the facility is automatically controlled via ECS MLS Lighting Control System, removing the need for Staff to manually control lighting and air-conditioning.”