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 **SATEC**
Powerful Solutions

Cromwell Property Group is a global real estate investment management group with more than 3,600 tenants nationally. The Australian Taxation Office (ATO) in Dandenong is one of its many high-profile clients. The ATO's busy loading bay operates 14 hours a day, five days a week, from 7am-9pm.

THE ULTIMATE PAYBACK



The existing fittings being used were metal halide 400W high bay lights, which consumed 11,032kWh annually. After identifying there was significant natural light available in the space and the loading bay often had inactive periods, intelligent lighting specialist enLighten suggested the fittings should be replaced with its Tauro Eco LED 80W highbays with integrated motion and daylight harvesting sensors.

The metal halide lights consumed 80 per cent more energy per fitting, and were impractical to turn on and off to respond to the activity levels on the loading bay - something that frustrated the asset services team.

The Cromwell team knew the metal halide light 400W was no longer an energy-efficient lighting solution, so they decided it was time to find a more efficient product.

enLighten provided the very latest LED highbay technology with daylight harvesting microwave motion sensors installed in the ATO loading bay to achieve maximum energy reductions of 10,371 kWh in the first year. The ATO has seen a 94 per cent reduction in daily energy consumption through the installation of the Tauro Eco and replacement of the metal halide

400W highbays. The savings are increased by the LED highbays as they are only activated when natural light is not available and when movement is detected. The Tauro Eco will achieve complete project payback in under a year.

enLighten's Tauro Eco has a high lumens efficacy and delivers 110 lumens per watt. Changing to LED lighting, the ATO saw a 13 per cent increase in lighting levels, which improves the safe working environment for all dock staff.

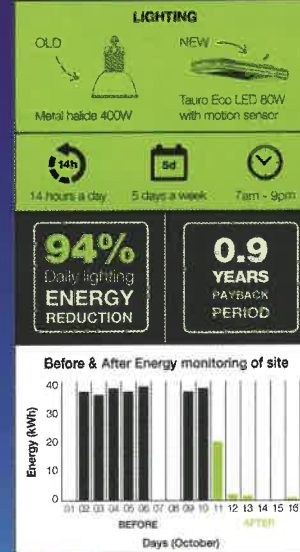
As energy prices rise and greater concerns are placed on the triple bottom line, the latest LED technology helps corporate and government organisations reach their energy and renewable targets. The ATO is currently achieving a 14 tonne per annum CO2 reduction.

"We have achieved amazing results using enLighten's Tauro Eco in our loading dock at the ATO in Dandenong," Cromwell Property Group asset services manager Oscar Nowak said.

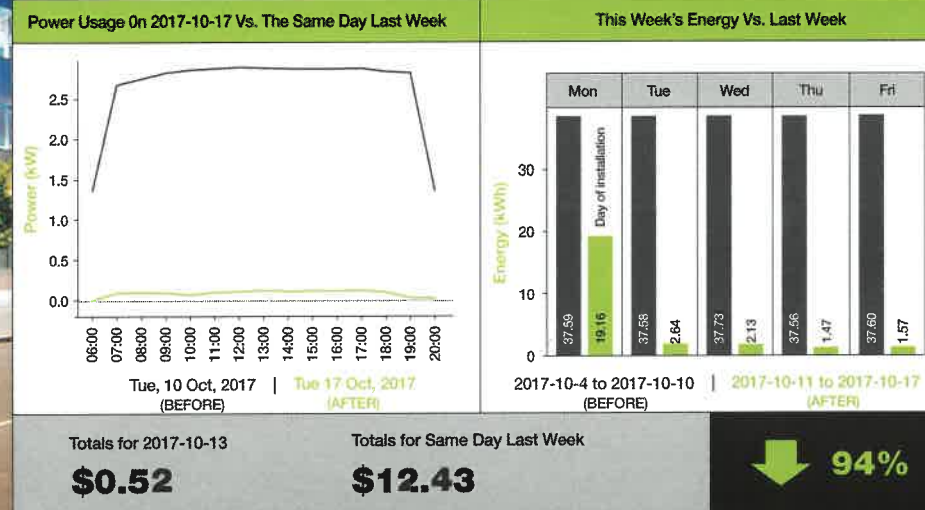
"By doing this we have achieved a 94 per cent reducing in energy use daily, which greatly assists with the government's mission to reduce energy consumption across all departments. The integrated detectors allow the dock to the fully lit when occupied and on standby when no one is around.

"In addition to the energy savings, we have also achieved an increase of 13 per cent in lighting levels, creating a safer environment for our tenants to work in. We could not wish for a better result." ■

FAST FACTS



BEFORE AND AFTER ENERGY MONITORING OF SITE



PROJECT PROFILE

CLIENT:
CROMWELL PROPERTY GROUP

LOCATION:
DANDENONG, VICTORIA

PRODUCT:
TAURO ECO

INSTALLATION:
ENLIGHTEN



NEW LIFE IN LIGHTING

After recently conducting extensive research into LiFeO4 batteries, Gerard Lighting has found the ideal battery for the next generation of emergency lighting. These batteries have a longer cycle life, low-toxicity, high performance, long-term thermal and chemical stability with an impeccable safety record. The on-board protection circuit module (PCM) offers maximum reliability. Gerard Lighting has launched several emergency lights with LiFeO4 batteries including Firefly2, Blade2, Director2 and Stingray2. In addition, with optional Dignet DALI RAPIX controls and a generous four-year warranty on battery and luminaire, Gerard Lighting's offerings are the future of emergency lighting.

www.gerardlighting.com.au

ONE TOOL FOR THE JOB

Prysmian's all new CableMate is a two-in-one frame that facilitates easy transportation and installation of 500m plastic reels of flat and orange circular cables. It is a trolley that also converts into a pay-off stand, so you only need one tool for the job. CableMate is light, foldable and user-friendly, allowing easy handling of the reels, saving time during installation. It can easily be stored at the back of a UTE or in the store. CableMate has been developed with safety in mind, reducing the risk of physical injury.

www.prysmiancable.com.au



KILL THE BILL WITH
Tauro Eco

NEW

High bay lighting for factories, retail and car parks.



"We have achieved amazing results using enLighten's Tauro Eco at the ATO, Dandenong." *Oscar Nowak*

Asset Services Manager | Cromwell Property

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Smart controls for carpark entrances

When entering a carpark, a driver's eyes must adjust quickly from the bright outside to the darker inside. It's a similar situation for a driver with sunglasses, who has to quickly remove their glasses to see in the darker environment. It is for these situations that the building code of Australia specifies higher levels of lights at carpark entrances. If non-compliant lighting levels are at the entrance, it can lead to temporary blindness making it difficult for the driver to react to obstacles or more importantly pedestrians in their path.

enLighten has developed a proprietary smart control lighting system that communicates via RF

waves with a bank of luminaires and automatically adjusts the lighting levels to achieve those specified in the building code for both daytime (800 lux) and night time (160 lux) operation. Innovation is in the company's DNA and displayed through using the twilight sensor that can discern the difference between a

car's headlights at night and daylight conditions. enLighten's Tauro Eco high/low bay luminaire is the ideal choice for an undercover carpark entrance. Its slim profile suits many low entrances and its inbuilt RF wireless control connects automatically to the control box. This RF control means you do not require a separate hard-wired control system, making it quick and easy to install. ■



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The ECONOLED from Trend Lighting Co.

www.trendlighting.com.au



This commercial grade downlight has been designed and built by Trend Lighting Co Ltd, Australia, using a custom made, high quality, high output LED COB and Collimating Lens. A high lumen output of 850lm, an efficient system power of 8.2W and a CRI of 85+ enables this high quality fitting to complement our existing range of downlights.

A low profile at 50mm, broad 105mm diameter trim, remote driver and IP44 Rating, enables this light fitting to suit most applications, including covering the popular 76mm and 92mm cut-out sizes. It is supplied with our standard Phase Dimmable, (leading and trailing edge). Driver and is available in the most popular, 3000K and 4000K light colours. Wide Beam angle (60°) and White or Black Powder Coated Trim. The COB has been set-back into the fitting to reduce glare. (as can be seen in the image below when compared to other currently available SMD downlight fittings). A Cap option is also available to meet IC-F Rating standards.

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