

# METRO TRAINS - EPPING

39 - 47 COOPER STREET,  
EPPING VIC 3076

**TURNKEY LIGHTING SOLUTIONS**

**SLS** SPECIALISED  
LIGHTING  
SOLUTIONS



## CLIENT OVERVIEW

Metro, or Metro Trains Melbourne, is a consortium of rail and construction businesses, all of which have unrivalled credentials. As the city's metropolitan rail service, with 15 lines, 219 stations, Metro operates 220 six carriage trains across 965 kilometres of track, transporting 415,000 customers each day.

Metro engaged SLS to provide an LED upgrade lighting solution to the Epping workshop and pit areas.

## EXISTING CHALLENGES

Due to the workshop being a 24/7 site the challenges we faced was completing installation within a certain time frame as access with a boom lift was restricted due to daily maintenance and cleaning of the trains. The pit lights under the trains again we had limited access due to train maintenance and installation was a slow staggered process.

The replacement of the existing workshop general lights with a LED Highbay and replacement of all the pit lights to an energy efficient LED Batten that would maximise the energy saving and reduce ongoing maintenance whilst maintaining a safe working environment.

**PAY BACK  
PERIOD**

**10  
MONTHS**

**CO2  
REDUCTION:**

**1323  
TONNES**

**ANNUAL  
POWER  
SAVINGS:**

**\$25,198.65**

**SERVICE LIFE:**

**50,000  
HOURS**

**GOV REBATE:**

**\$11,642.00**

## TOTAL DISCOUNT INCL. GST

**\$11,642.40**

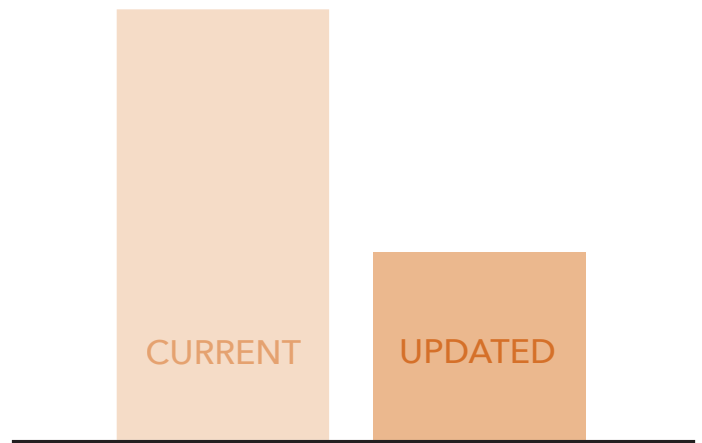
### SOLUTION

SLS supplied the Aprilla 150w LED Highbay to replace the existing 400w Metal Halide Highbays in the open workshop area and supplied the Sorrento 2 x 16w LED batten to replace the existing 1 x 40w T12 Battens in the Pit areas, which provided better improved lighting, low maintenance and significant energy savings. The savings was paid upfront to Metro Trains in accessing the Energy Saving Scheme available in Victoria.

The Capital required for this project was offset significantly making the business case very strong.

## TOTAL PROJECT COST INCL. GST

**\$40,644.99**



ANNUAL kWh

## ANNUAL kWh SAVINGS

**64%**

### CLIENT STATEMENT

*"The team at SLS and Middendorp made this project run smoothly, on time and within budget even though we had many obstructions due to access and plant availability running a 24/7 facility. They worked closely with our preferred electrical contractor. The product choice was perfect for our needs and we now have increased workspace lighting levels. Our maintenance and energy costs will be greatly reduced with a very quick payback period."*

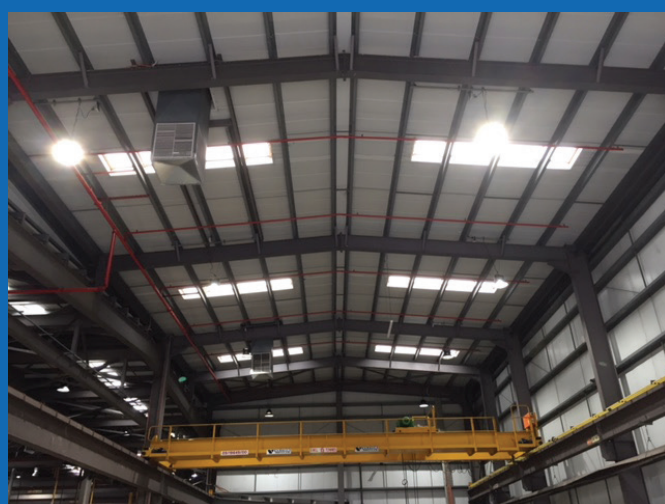
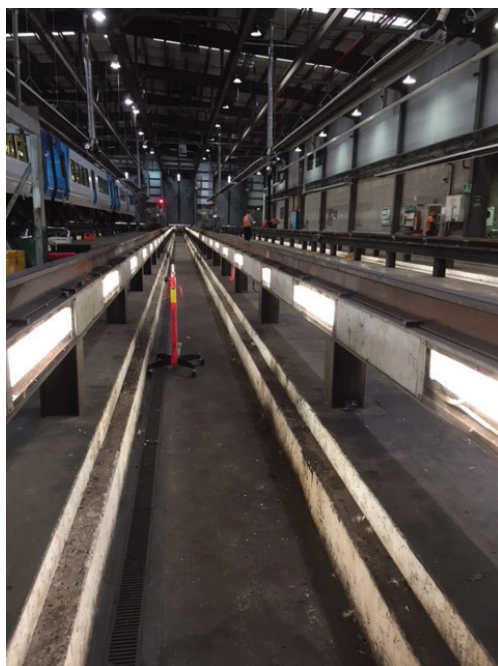
Simon Galea  
Depot Maintenance & Facilities Asset  
Manager Rolling Stock





# SITE TRANSFORMATION

AFTER



# THE SOLUTION

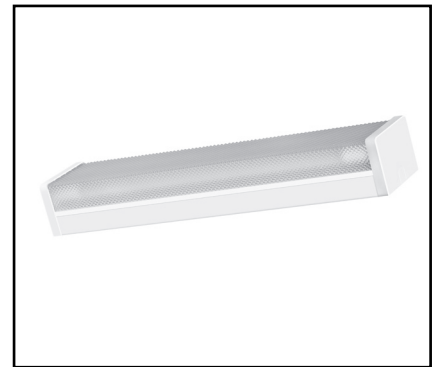
**150W HIGHBAY**



**40W PALERMO SMD  
BOARD WEATHERPROOF**



**2X9W SORRENTO LED  
DIFFUSED BATTEN**



## WORKSHOP AREA

Upgrade and replace 107  
400w MH Highbays for  
Aprila 150w LED Highbays

## PIT AREA

Upgrade and replace 242  
x 1 x 40w T12 Battens to  
2 x 20w LED T8 Sorrento  
Battens

Upgrade and Replace 32  
x T12 Battens to 2 x 9w



Our values define how we aim to conduct ourselves and our business.

They help us to create value for our clients, our people and the communities in which we all live.

## OUR PARTNER NETWORK



[www.slsgrp.com.au](http://www.slsgrp.com.au) | 1300 302 852