



# LEADSUN

In partnership with



CASE STUDY

Client: City of Frankston

Project: Seaford North Reserve Car Park

Lighting Compliance: AS1158.3.1.2005P11C

★ ★ ★ ★ ★

This project has huge cost savings by being cable free!

**SOLAR LIGHTING**

SAVE UP TO **33%**

Compared to grid powered lighting

## Project Overview

The City of Frankston responded to their communities needs by providing a much needed lighting solution for a busy car park at the Seaford North Reserve. The car park is used by the local sporting clubs, commuters using the Seaford North train station and late evening dog walkers.

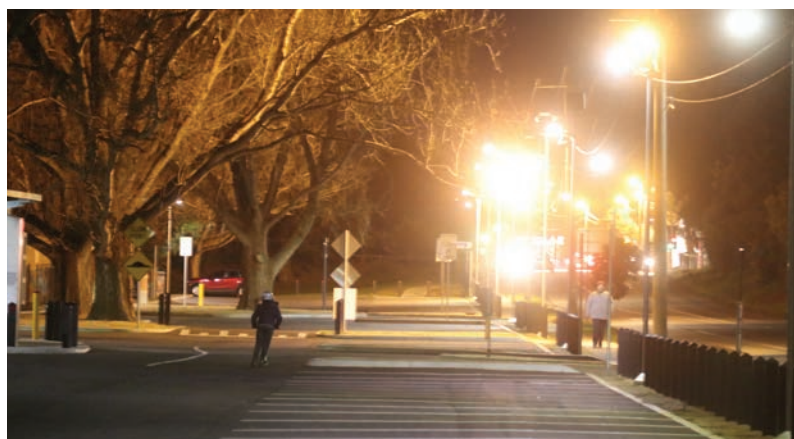
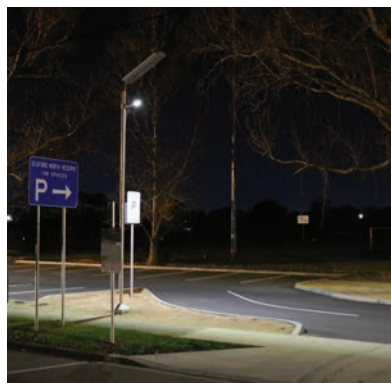
This strip type car park is off street and well used at all hours of day by parents dropping their kids for sports practice, commuters coming home from work on the train and evening exercisers. This lighting solution has not only created more visibility for traffic in an out of the car park, it has also created a safer environment for those accessing the reserve in the evening or early morning.

## Leadsun Solution

- 16 x AE3 solar engines
- 1 x AE6 solar engine
- 18 LSRM T3 Type Luminaries
- Solar Module Size = 80W PV
- LED output = 1500Lm
- P Category Lighting Compliance = P11C & P12
- Adaptive lighting control automatically dims lights to 30% during inactivity
- Lithium-ion batteries provides 10+ years maintenance-free life span

This lighting design provided some challenges to overcome as parts of the car park are heavily tree-lined with major tree roots. As our solution requires no underground cabling the tree roots were protected, however to provide complaint lighting to some disabled car spaces under trees, we installed a AE6 Master-Slave solar engine in a direct sun lit position, which powered the lights under trees. Further to this there were some special bracketing requirements with extensive outreaches to ensure P11C & P12 lighting compliance was met.

The final result shows a modern looking system that demonstrates smooth and consistent lighting throughout the car park with all compliance lighting met. This public space also has a much more inviting feel about it which allows the connected reserve to be safely accessed for longer periods of the day for a variety of people.



This project has an expected design life of 15 years

Call us on 1300 532 378 to discuss how we can deliver you a HUGE saving compared to grid power lighting