LEADSUN
EST. 2005

In partnership with
Southern Cross University

CASE STUDY

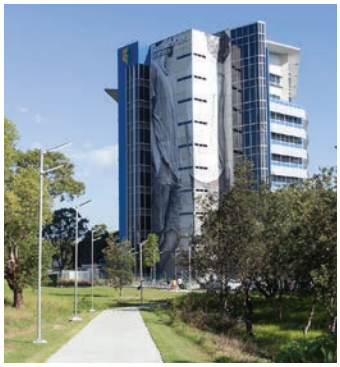
★★★★★
This project has huge cost savings by being cable free!
SOLAR LIGHTING
SAVE UP TO 33%
Compared to grid powered lighting

Client: Southern Cross University, Gold Coast
Project: Shared Pathway Lighting
Lighting Compliance: AS/NZS 1158.3.1 P3

Project Overview

With an increase in bike theft and student safety concerns, the Southern Cross University needed to address the lack of lighting along a pathway connecting the campus building, bike compound and car park. To comply with their on going sustainability plans, the University opted to use a SMART public lighting solution which was both environmentally friendly and saved them around $10k.

There were also some environmental considerations that needed to be factored in due to the proximity of the University to the coast line. As all Leadsun lighting systems are weather resistant and complaint to high wind loading, the concern was related to the soil stability housing the pole footings. Extensive soil testing was undertaken before lighting systems were be placed in the ground to be sure there was complaint wind loading stability.



Leadsun Solution

- 10 x AE2 Solar Engines
- Solar Module Size = 40W
- LED output = 12W - LSRMC-12
- EZY Lift lowerable poles for easy maintenance
- Adaptive lighting control automatically dims lights to 30% during inactivity
- Lithium-ion batteries provides 10+ years maintenance-free life span
- Preset Lighting Program – DIM Mode (30%) till dawn. Full brightness for 5min on detection of movement.

The Leadsun solution features a unique lighting configuration where the lights are programed to dim down to approximately 30% brightness after 4 hours from dusk so that the surrounding environment is not affected by bright lights all night. This feature also saves battery life and provides over 10 years of maintenance-free operation.

The project managers were extremely happy with the result as the Leadsun system is weather conditioned for coast line locations, fit in nicely with the University's sustainability plans and most importantly provided a much safer thoroughfare for students who accessed the campus facilities after dark.

15 YEARS
This project has an expected design life of 15 years

> *We we're thrilled to go with the solar option on this job as it saved us about 10k as we did not have to do any trenching for underground cables. It also fit in well with the University and their sustainability plans.*
> *Manager, Built Infrastructure Projects, David Hadley*

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