



# LEADSUN

In partnership with



CASE STUDY

**Client:** Penrith City Council  
**Project:** North Street Car Park Lighting  
**Lighting Compliance:** AS/NZS 1158 P11

★ ★ ★ ★ ★  
This project has huge cost savings by being cable free!  
**SOLAR LIGHTING**

SAVE UP TO **33%**  
Compared to grid powered lighting

## Project Overview

As a result of the growing population and close proximity of the Badgerys Creek Airport, the Penrith City Council (PCC) identified a need for more car parking spaces in and around the City. With higher traffic after dark a high grade lighting solution was also required for visibility and safety.

It was determined by the PCC that the North Street site was the ideal location for this new car park and in early 2018, the council issued a RFT for the construction of a 243 space car park on the southern side of the railway corridor. In conjunction with this project the PCC also required a cost-effective, robust lighting solution to allow around the clock access to this new piece of infrastructure.

## Leadsun Solution

- 32x AE3S70N Solar Street Lights
- Combination of 130W & 260W Solar Engines
- 10W LED Maximum output power (Dusk to Dawn operation)
- Adaptive lighting control automatically dims lights to 30% during inactivity
- Lithium-ion batteries provides 10+ years maintenance-free life span
- Lowerable poles allows cost-effective servicing safely from ground level
- Future proofed with built-in wireless control and monitoring system

In conjunction with Leadsun's advanced and sustainable lighting system, which included 6 Twin Arm lighting systems with 1200mm outreaches, lowerable *EZYpoles* were chosen to support the solar units for ease of access for any future maintenance. Four of the poles were strategically positioned at the steel ramp way leading to and from the car park linking it to the shopping precinct and nearby public transport.



This project has an expected design life of 15 years



*This solar lighting solution will operate at full brightness from Dusk to Dawn and allows commuters and patrons the convenience of an easy accessible and safe passage to and from this car park. This cost effective lighting solution has also eased the traffic congestion for the community and the council has acknowledged this project as a sustainable win for all.*



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