**CASE STUDY** VEHICLE CAT-5 LIGHTING STANDARD

# Waitpinga Road / Battye Road Upgrade

Victor Harbor Council, South Australia

## BACKGROUND

Street Lighting of this increasingly busy intersection, the Council found themselves with some challenges. The installation of traditional mains street lighting would require extensive trenching and overcoming a seam of hard granite that would significantly increase the cost. Given the Council is committed to practicing ecological sustainable development to enhance and sustain the natural heritage of the region, it was decided that alternative solutions should be investigated.

## OUR SOLUTION

Given past successes with previous solar lighting projects, from illuminating a *black spot* intersection at Swains Crossing Road to the Victor Harbor foreshore, boardwalk and bluff. Solar lighting has been a key consideration in the range of sustainable options that are available to Council to expand community assets without compromising environmental initiatives. The City of Victor Harbor identified the GFS-Aspire as being a Vehicle category 5 lighting standards compliant solution worth investigating.

Backed by the Australian Federal Government, Green Frog Systems recently completed the development of the GFS-Aspire solar light as a modular, scalable and flexible solar lighting solution and is a SMART connectible device with Solar Activity Monitoring (SAM) capabilities for remote management and control of the lighting assets.

## RESULTS

Backed by certified engineering reports, the City of Victor Harbor determined the GFS-Aspire to be the most cost-effective V-cat solution for this location. Since solar lighting was first introduced to the Council, they have consistently selected Green Frog Systems products for their outdoor lighting. The City quickly identified that the latest solar lighting technology can provide equivalent performance to mains powered lighting while delivering considerable savings on installation and energy grid connection costs as well as eliminating ongoing supply charges.