

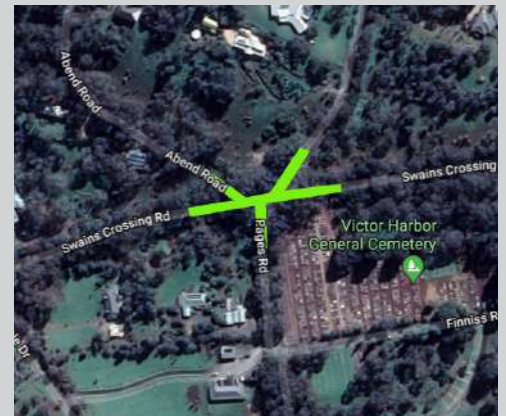
VICTOR HARBOR | SOUTH AUSTRALIA SWAINS CROSSING ROAD INTERSECTION

BACKGROUND

Victor Harbor is South Australia's most popular seaside town, located on the Fleurieu Peninsula of South Australia, 80km south of Adelaide CBD. With approximately 15,000 permanent residents and annual visitor numbers of 1,248,000* significantly increases the number of vehicles utilising roads throughout the area.

SITUATION

- The intersection of Swains Crossing Rd and Pages Rd, Victor Harbor is between a Y intersection in both directions which, given poor lighting makes it difficult to gauge approaching traffic.
- The intersection / crossing is a 'blind corner' with the darkness further reducing visibility at night, making it difficult to see and judge the speed of on-coming traffic.
- Multiple serious accidents have occurred on this section of road, too many of these resulting in fatalities.



CHALLENGES

- The City of Victor Harbor had a requirement to provide a timely solution for this dangerous intersection; to ensure the safety of residents and visitors to Victor Harbor.
- Existing infrastructure was unavailable to extend grid connected power to the site as mains powered street lighting was cost prohibitive due to the location of this intersection / crossing.
- Installing mains powered lighting would have caused a lengthy delay of approximately 12 months.

This intersection has been hazardous for our residents for quite some time. Mains powered street lighting was cost prohibitive due to the location of this intersection. We approached Green Frog Systems to design a solar powered street light that would light the intersection and assist in helping to reduce the risk of traffic accidents at this location.

Since the installation there have been no crashes reported on the road crash register at this location.

Jodi Roberts - City of Victor Harbor

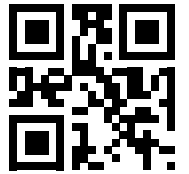
SOLUTION

- Solar lighting proved to be the most cost effective and timely answer for the Township.
- Due to the GFS-400 solar street light systems requiring no underground trenching, cabling or service connection, the time-frame for project completion was reduced to under 3 months.
- The lighting levels obtained met or exceeded the Australian standard classification AS1158.3.1.

RESULTS

- The GFS-400 Solar Street Light is designed to illuminate large areas such as intersections and car parks providing wide coverage required for the project.
- The solar street light has the ability to run all night at full power making it an ideal solution for all types of infrastructure upgrades; where high levels of light are required for security or safety reasons.

CLICK /



SCAN



ABOUT GREEN FROG SYSTEMS

Green Frog Systems are leaders in innovative solar lighting technologies. Established in Australia 2011, the company designs and manufactures world-class solar street and pathway illumination systems and is committed to the continual development of leading edge, sustainable solar lighting and energy storage advancements.

Green Frog Systems mission is to consistently provide our clients with a high reliability solar lighting solution, providing safety, security and access to public spaces more economically than mains powered equivalents.

The increasing popularity towards renewable energy options has allowed the company to rapidly expand into the USA, New Zealand and the UK. Green Frog Systems worldwide list of clients includes Government, mining, oil & gas, industry and commercial infrastructure; a testament to the quality of the company's solar light products.