

Case Study

City of Onkaparinga O'Sullivan's Beach Boat Ramp

Project Details

Client name

City of Onkaparinga

Start date

September 2014

Completion date

April 2015

Contract Type

Public Lighting Construction

Contract value

\$350,000

Key Personnel

Operations Manager Public Lighting -
Cheong Doherty

Public Lighting Construction
supervisors - Mark Dougray, Malcolm
Summerill

Public Lighting Design Officer - Graham
Berryman

Enerven have delivered a project evolved to become the first of its kind in Australia.

The Customer

Onkaparinga sets a vision for their region and its 'strong, vibrant communities'. The council, as an organisation, emphasises leadership, honesty and innovation. They are committed to delivering quality services and value the continuing input of the community to their organisation.

The Opportunity

Lighting Solutions were presented with the opportunity to create a SMART lighting system using their key skills in project management and design & construction. The team needed to replace an aging carpark and access road lighting at the O'Sullivan Beach Boat Ramp and would investigate, implement & install an Intelligent street lighting system whilst managing the end to end process. Deliverables consisted of a detailed Philips Systems - City Touch Lighting Management System.

The Solution

This street lighting project evolved to become first of its kind in Australia using this type of system. This system had full automation and control and allowed real time and historical data to be interrogated at any time via an internet web browser. The system also allowed the street lights to be dimmed to varying levels during

the night (dimming profile). Work completed included;

- Installation of 19 x 10.5m light columns
- Installation of 19 x rag bolt assemblies
- Installation of 29 x 133w LED luminaires
- Design build & retro fitting (after initial install) of 29 wireless outdoor luminaire controllers (OLC)
- Design & build of segment controller including 1 x RF antenna & 1 x Router antenna

The project complexities consisted of removal of existing 11 x weather damaged light columns, reconfiguring of existing wiring to facilitate the installation of 8 additional light columns, outdoor segment controller design and build. These had to be retrofitted to the street light columns after installation.

Design & build of segment controller was also a challenge, with installation of the router to allow access to the lighting system via an internet browser

Key Capabilities

This project highlights Enerven's ability to deliver quality and innovative design, diversified construction capabilities, project management and call upon a reliable workforce which includes Electrical & Powerline Trade Skill Workers.





Why Enerven?

Our experience in the market place, combined with the expertise and industry knowledge of our team, makes Enerven's offering second to none - which is why industry leaders such as Oz Minerals, Lendlease, AGL and BHP Billiton trust Enerven with their energy infrastructure assets.

We invest heavily in the best equipment and the professional development of our staff, which means we combine experience and history with innovation and technology to deliver solutions that address the evolving energy distribution requirements of the community.

With a strong supplier and partner network behind us, our highly skilled staff work closely with you to fully understand your specific needs and vision, and will tailor a solution to suit.

Delivering the highest standard of work in a safe and environmentally sustainable manner is our top priority, and we have an outstanding track record to prove it. We focus on building long-term relationships with our clients, we're committed to working with you for the lifecycle of your project and beyond.

Who We Are

Enerven, an SA Power Networks Company, provides a range of construction and maintenance services, including fibre installation, to clients both within SA and nationally. We believe innovations and technology will continue to drive efficiencies, but no more so than the experience, knowledge and capabilities of our people.

Contact Us

1 Station Place,
Hindmarsh SA 5007

1300 334 523

enquiries@enerven.com.au

www.enerven.com.au