

Case Study

City of Onkaparinga Road Lighting upgrade to LED

Project Details

Client name

City of Onkaparinga

Start date

November 2017

Completion date

March 2018

Contract Type

LED Road Lighting Upgrade

Contract value

\$5 million

Key Personnel

Operations Manager - Cheong Doherty
Lighting Design Officer - Scott Swart
Construction Supervisors - Mark
Dougray and Malcolm Summerill

Switching to LED lighting can produce the same amount of light, but potentially save up to 77 percent in the council's lighting energy use and save the council around \$630,000 a year through reduced energy usage and lower maintenance costs.

The Customer

The City of Onkaparinga is on Adelaide's southern fringe, between 25 and 40 kilometres from the Adelaide CBD. With a population of approximately 170,000, it stretches from the O'Halloran Hill down to Sellicks Beach; covering an area of 518 square kilometres, making it the largest council area in Adelaide. The City of Onkaparinga are committed to creating a sustainable future for their city and develop key environmental programs, activities and initiatives around the City to keep that commitment.

The Opportunity

The City of Onkaparinga had a requirement to upgrade their street lights to more energy efficient LED.

For the council, street lighting is necessary but very expensive to run. Street lighting has also been identified as the single largest source of greenhouse gas emissions from local government in Australia; and the City of Onkaparinga has almost 10 percent of South Australia's street lights.

LED lighting is a much improved light than the old technology and can potentially save up to 77 percent in the council's lighting energy use. This reduction will in turn, lower greenhouse gas emissions by approximately 2,700 tonnes a year. A change that will benefit both the environment and council budget.

The Solution

The Enerven Lighting Solutions team were tasked with replacing over 16,000 street lights across the City of Onkaparinga to more energy efficient LED.

The transition to LED street lighting technology will significantly reduce the Council's energy consumption and maintenance costs per annum and provide an overall improvement to their street lighting network. The expected annualised savings to Council is approximately \$630,000 per annum.

The old street lights that have been removed are then recycled responsibly by Enerven's contractor Toxfree to prevent heavy metal (i.e. mercury) and other hazardous substances entering landfill.

Key Capabilities

This project highlights Enerven's ability to deliver the installation of street lighting to a very tight timeframe and over a large geographical area. Enerven have highly skilled project managers to coordinate the scheduling, planning, and supply chain logistics of their projects so they are delivered on time and to budget.





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