



Case Study

Franklin Street EV Charging Stations

Project Details

Client name

Tesla and Adelaide City Council

Start date

August 2017

Completion date

September 2017

Contract Type

Engineer, Procure, Construct and Commission

Contract value

Approximately \$260,000

Key Personnel

Project Director- Matt Park

Project Manager - Julian Valente

Construction Supervisor - Ashley

Walden

Electric Vehicles (EVs) will allow us to create a cleaner and greener city, especially as more renewable generation sources are connected to the grid

The Customer

The Adelaide City Council are responsible for delivering hundreds of services and facilities that contribute to building strong and vibrant communities, improve the community's quality of life and enhance their experiences with the city.

Tesla's mission statement is "to accelerate the world's transition to sustainable energy". To create a sustainable energy ecosystem, Tesla manufactures a range of Electric vehicles and a number of energy generation and storage solutions, including Powerwall and Solar Roof products; enabling homeowners, businesses, and utilities to manage renewable energy generation, storage, and consumption.

The Opportunity

Enerven worked in collaboration with Tesla, Mitsubishi, and the Adelaide City Council to install eight fast-charging stations. The project was looking to convert a site previously used for bus parking on Franklin Street to accommodate several Electric Vehicle (EV) charging stations. This was a flagship project for EV charging stations in Adelaide and was expedited to coincide with Elon Musk's arrival to Adelaide that year.

The Solution

Enerven were responsible for the end to end development through to practical completion.

The scope of works included:

- Design, supply and installation of consumer mains from TF LV terminals to MSB (conduits installed via directional
- Design, supply and install 630A MS with Twin Metering, sub-board, final sub circuits and conduits for the Tesla and Mitsubishi EV Chargers
- Design, supply and install all concrete plinths, curb, conduits, lighting, signage, bitumen (including contaminated soil disposal), and final landscaping and irrigation
- Project Management and commissioning of the entire project

The Tesla Superchargers are the fastest charging solution in Australia, providing 270km worth of charge for Model S and Model X vehicles in just 30 minutes. The EV Charging Hub can fully charge a Mitsubishi Outlander PHEV in 30 minutes, providing a driving range of 52kms at 100%.





Why Enerven?

Our experience in the market place, combined with expertise and industry knowledge, makes Enerven attractive to industry leaders such as Oz Minerals, Lendlease, AGL and BHP Billiton for their energy infrastructure needs.

Enerven invest heavily in the latest technology 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.

Proactive, Collaborative, Dependable

Our values are the DNA of our business. They embody what we stand for and focus firmly on our customers' needs to accomplish long term, sustainable improvements that are reliable, maximise profitability and minimise costs.

Further to this, everything we do is underpinned by an unrelenting focus on safety and wellbeing.

We build our customers' vision. Our driving ambition is to connect you with tomorrow.

Who We Are

Enerven provides construction and maintenance services, including HV transmission line construction, 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

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