



Electrical & Automation

# TRAFFIC LIGHT SYSTEMS

---

## OVERVIEW

CW Electrical and Automation is a trusted industry leader in designing and building reliable, customizable traffic management control systems. Our solutions are tailored to meet the unique requirements of each client, ensuring seamless integration and superior performance.

Typical applications include:

- Managing traffic flow in apartment basement car parks
- Traffic management in warehouses or other commercial facility
- Enhancing efficiency in rail yards,
- Managing construction zone traffic
- Shopping centre car park management

As well as typical wired applications, we also offer wireless and solar powered solutions.





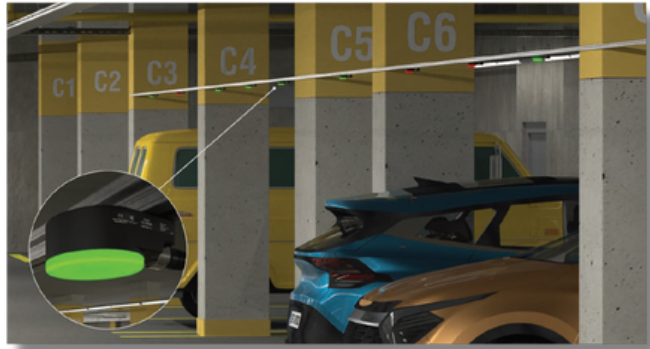
Electrical & Automation

# OUR SYSTEM



## ADVANCED VEHICLE DETECTION

- We use state of the art, Radar vehicle detection sensors to ensure reliability
- The sensors work in extreme temperatures, precipitation, irt, dust and low light
- The sensors can detect moving and stationary objects, are not thrown off by varying shapes and surfaces, and can measure and detect long ranges.



## ACCESS CONTROL INTEGRATION



- We integrate with a variety of access control systems including boom gates, garage doors and electric sliding gates.
- Our expertise in electrical control systems, and ability to customise all of our control systems gives us the flexibility to design and install the optimal system for the customer's individual needs.

## REGULATORY COMPLIANCE

- Strong understanding of laws and regulations around traffic management to ensure that your installation is compliant.

# OUR PROCESS



## DESIGN

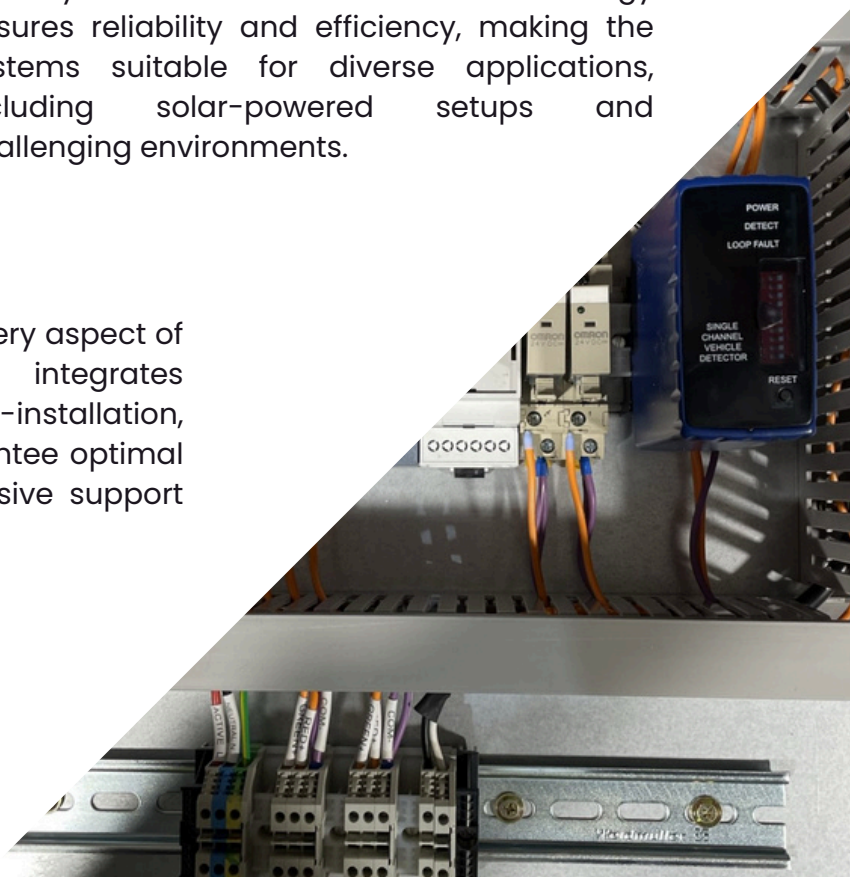
We begin by understanding your specific traffic management needs, assessing the location, and determining system requirements. Our expert team designs a tailored solution to optimise traffic flow and safety for your unique environment, whether it's a car park, construction zone, or commercial facility.

## BUILD

Using high-quality components, we construct robust traffic light systems that meet strict industry standards. Our advanced technology ensures reliability and efficiency, making the systems suitable for diverse applications, including solar-powered setups and challenging environments.

## INSTALL

Our experienced technicians handle every aspect of installation, ensuring the system integrates smoothly with your infrastructure. Post-installation, we rigorously test the system to guarantee optimal performance and provide comprehensive support to maintain its functionality.





# OUR PROJECTS

## 2024 – MULTIPLE RAMPS BASEMENT

We collaborated with a commercial builder in Queensland to control traffic in a multi-level basement car park featuring one-way vehicle ramps. We reviewed their traffic management plan and designed a system that met operational needs and council requirements.

The system was "priority entry" to minimize traffic buildup on surrounding streets, ensuring compliance with council regulations.

We installed adjustable timers, allowing the client to easily modify the timing of waiting periods and green light durations for optimal flexibility.

The system was successfully installed and is now operational, providing efficient traffic management and meeting both the client's and regulatory expectations.

## 2023 – FORKLIFT / PEDESTRIAN CONTROL

We were enlisted by a large warehouse in Melbourne's western suburbs to design and install a lighting and sensor system to minimize interactions between forklifts and pedestrians in their warehouse.

We implemented a system of lights and sirens to indicate to forklifts when a pedestrian had entered the area.

The project was successfully completed, with the client achieving enhanced safety on their site.

## 2018 – CURRENT, VARIOUS CONTROL BOARDS

Since 2018, we have partnered with a highly reputable industrial wholesaler in Melbourne's West to wire and automate dozens of control boards for a wide variety of traffic light control applications; including wig wag lighting, pedestrian controls, traffic light control systems for schools, apartments, mining environments, train yards and various commercial facilities. These systems are in operation all over Australia.



# GET IN TOUCH

We're here to help.

If you're in need of our services or just have more questions then feel free to reach out to us through phone or email.

We look forward to working with you!

## **CONTACT US :**



*1300 29 35 32*



*[www.cwelecautomation.com.au](http://www.cwelecautomation.com.au)*



*[admin@cwelecautomation.com.au](mailto:admin@cwelecautomation.com.au)*