



Electric Vehicle Infrastructure

Middleton Group offers all the services you need to get your EV infrastructure project up and running. From feasibility studies and network capacity assessments to detailed design and construction support, we're your one-stop shop.

An aerial photograph of a parking lot with several cars parked. A charging station is visible in the foreground, with a charging cable plugged into a car. The image is used as a background for the text on the left side of the page.

Middleton Group
is committed to
solving complex
problems in the
renewable
energy industry
and providing
transport
electrification
infrastructure
solutions

WHAT WE DO

- HV and LV system design
- Solar and BESS design and integration
- Grid connection services
- Control and instrumentation
- Civil and structural design
- Network capacity assessment

OUR EV MARKET SERVICES

Business case development support

- Roadmap planning and risk assessment

Feasibility design

- Review viability for HV/LV powered sites
- Assess suitability of existing infrastructure and identify constraints
- Identify EV charger placement

Financial estimations for engineering design works

- Energy audit and power usage optimisation
- Identify optimal times to use EV chargers to maximise ROI
- Integration of behind-the-meter solar and battery
- EV to grid and EV to load

Concept design

- Designing solutions for CAPEX estimation

Detailed design

- Designing constructable solutions for both HV and LV-based systems

Construction-phase support

- Supporting contractors with queries

Follow-up support on optimisation and efficiency

- Maximising design and operational outcomes

Owner's engineer/advisory

- Independent design review and client advocacy

Assessments, planning, approvals

- Community engagement and social development, Aboriginal and heritage, terrestrial ecology and fire



WHY CHOOSE US

Middleton Group boasts more than 90 electrical engineers with deep and broad experience in the transport industry and electrical control systems.

We are committed to creating a sustainable energy future for our communities and have a proven track record of delivering outstanding outcomes on projects.

The Infrastructure team within Middleton Group works across a range of areas, from water authorities and transport to defence and renewable energy.

We provide an end-to-end suite of services, ranging from concept to detailed design and follow-up support.

RECENT PROJECTS

- Alpha Rail: EV infrastructure project
- Toyota: Altona solar car park
- Kingsgrove Bus Depot: Tender design
- Yarra Vally Water: Aurora and Wallan EV charger detailed design

CONTACT OUR EXPERTS



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