



ELECTRIC VEHICLE SOLUTIONS



Accelerate to Zero

BGIS offers an end-to-end electric vehicle (EV) solution with customised options to cover all your EV needs. From feasibility and design, project management to installation, commissioning, maintenance and monitoring, our EV solution delivers the right technology for your business.

We scale our solution to meet your unique business needs. We have the infrastructure and people in place to quickly react to the increased global demand for EV charging services, providing reliable and flexible turn-key solutions.

We offer a full “one-stop shop” service or individual solutions to meet your specific need.



We offer national coverage via a combination of BGIS capabilities, utilising our joint venture with Bennelong Energy Services (BES) and our inhouse energy and sustainability experts HFM. Our technicians are WPCG (Work Place Clearance Group) qualified, ensuring they can work on retail fuel sites.

We can provide a single 1800 number to our National Operations Centre (based in Adelaide) to ensure all your servicing calls are prioritised and actioned promptly. Our superior systems ensure job management can be tailored to meet your specific needs, anywhere in Australia and at any time.

Feasibility & Design

BGIS' inhouse sustainability experts, HFM provides consulting experience that spans the energy market, with expert knowledge applicable to the EV deployment challenges being faced.

Our electrical engineering consultants are registered Chartered NER engineers, experienced and capable of complex electrical design and network application submissions. They are experienced in identifying and resolving local and whole-of-site switchboard and transformer capacity constraints, substation, or district transformer limitations. They collaborate with our procurement specialists, renewable engineers, and data analysts to consider all aspects of the client's needs and objectives.

Our building services consultants identify operational constraints and risks and develop cost effective solutions. With access to the required tools, they can quickly examine intrinsic electricity load profile data, compare, and highlight risks and opportunities across single sites or expansive portfolios, Australia-wide.

Qube Logistics

Transitioning to a carbon neutral site and electric fleet with limited quality power available from the grid and high costs of network upgrade. The challenge was to calculate the most cost-effective solution and engineer the works for implementation. This work included the financial and carbon assessment for the options available.

The solution was a solar, battery and rapid EV chargers, integrated with the sites energy system, creating an on grid microgrid to ensure charge capacity was available for the vehicles and at a rate needed to ensure that the site requirements were met and improved. Payback for the client was estimated at 5.6 years and the solution is now being delivered.



Project Management & Installation

BGIS specialises in complex project management solutions, including programme management, design, delivery, and handover. We deliver EV solutions across Australia, in a variety of locations for diverse clients including commercial, government, data centres, health, aviation and fuel retailers.

BGIS offers an integrated delivery solution, leverage supply agreements, and provides our clients with end-to-end delivery solutions. BGIS' experienced project managers and HSEQ advisors manage the vendor's on-site delivery, including the various stakeholders and specialist contractors.

BGIS can provide a full charger installation solution and has the expertise and capacity to undertake both the civil works and EV charger installation works.

Australian Government Department of Defence

BGIS designed, procured, and installed EV charging stations across five Defence bases in New South Wales. This EV infrastructure is used by Defence personnel in the live-in accommodation, with plans underway to expand on this footprint.



NSW Department of Communities and Justice

Currently rolling out a project to supply and install 23 EV charger units in courthouses across NSW. BGIS was engaged to design, supply, install and commission EV charging systems at each site. The EV solution was designed by BGIS' inhouse sustainability experts HFM and delivered by BGIS' projects team.



Commissioning

BGIS understands that commissioning activities are to be managed by separate providers to the installation works. Our joint venture with BES allows the team to undertake commissioning independent of any BGIS team installation. The BES technicians are trained and certified in commissioning from providers such as Tritium.

NRMA and BP Australia

Our joint venture with BES has allowed us to be part of the NRMA and BP Australia EV charger installations. The fully compliant and dedicated team at BES, who are trained in commissioning installations, certified all BGIS and Tritium EV projects. BES independently test and document all installations with a final handover to the client.



Maintenance

BGIS offers a 24/7 solution and provides prompt, efficient maintenance coverage across all geographical regions and locations throughout Australia. Fully supported by our National Operations Centre, we provide coverage through a distributed services approach via BES and BGIS' Self Perform team. BGIS trains and uses our trusted sub-contractor network to complement this coverage, ensuring that we can provide full national coverage via a single contact point.

BP Australia

BES technicians are trained and certified to undertake maintenance and fault rectification and are currently servicing BP Australia charging units across New South Wales, Australian Capital Territory and Victoria. Further to this, BES is also maintaining and servicing units across the NRMA portfolio.

Shell Fleet Solutions

In 2022, BGIS proudly announced the first North American collaboration with Shell Fleet Solutions in the 'Accelerate to Zero' program. 'Accelerate to Zero' is a four-stage process towards fleet decarbonisation. The program consists of data-driven roadmap and deployable solutions to help guide journeys to net-zero emissions. From an initial diagnosis of current fleet needs, existing plans and decarbonisation ambitions, to the delivery of a clear, customised road map, participating fleets are supported in delivering on their goals.



Monitoring

To support the ongoing life of the EV charging units, BGIS offer a purpose-built utility monitoring system called Yardstick to measure, monitor and manage energy utilisation. Yardstick can provide single-site or multi-site tracking and comparison of usage, including whole-of-site impact demand constraint assessments of any EV deployment. This can support a maintenance regime, assist corporate reporting requirements, or provide a dashboard health check for both internal and client/public facing applications.

NSW Department of Communities and Justice

BGIS' inhouse sustainability experts, HFM integrated EV chargers at 23 DCJ sites across New South Wales. HFM provides continued energy monitoring, including EV charger use as part of wider energy, water and waste monitoring through our Yardstick services.

Security

Our joint venture with BES also allows the concurrent installation of critical CCTV solutions to allow ongoing monitoring of the EV charger.

BP Australia

BGIS' joint venture with BES has successfully completed camera system upgrades across BP sites on the east coast of New South Wales and Victoria, with additional sites in progress, increasing the visibility and security across service stations and trucks stops.

BES have partnered with BP vendors to upgrade existing CCTV systems to accommodate recent EV charging installs, increasing the camera network to ensure full coverage.

Completed projects include security upgrades across high security sites in the Defence network, CCTV and access control installations and upgrades across court and correctional sites, and security maintenance at Sydney Opera House.

About Bennelong Energy Services

Bennelong Energy Services (BES) is a majority Indigenous owned and operated electrical and security maintenance and service company. Proud Indigenous NRL legend, Cliff Lyons founded the company in 2004 and is the major shareholder with BGIS, a joint venture partner. Our BES team provides electrical, HVAC, security and maintenance, electric vehicle charging, and boiling and chilled water services.





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