Ampcontrol has almost 50 years experience designing, manufacturing and commissioning large-scale electrical infrastructure solutions. Working in partnership with leaders in solar, battery, diesel energy and alternative energy technology, we offer complete electrical packages or various system components for remote area power projects.

From a single substation to turn key alternative energy projects, Ampcontrol can build, automate and integrate electrical infrastructure on any scale. We have the scale and capability to manage projects from concept through to in-house manufacture, supported by whole of life management to deliver project driven solutions.

We have a strong history of delivering effective and robust systems in harsh remote areas. We’ve achieved this because of our experienced people, patented technology, investment in research and development, extensive Australian manufacturing facilities and commitment to service and maintenance.

This ensures we have the experience and resources to provide solutions to your largest, most complex and time critical electrical problems.

We are equipment agnostic and can work with your preferred suppliers or procure key items from our OEM partners to suit the specific project.

We believe in delivering robust solutions that are packaged for quick deployment to increase efficiency and reduce on site labour. We specialise in:

- Design, control and optimisation of renewable and hybrid solutions
- Electrical engineering studies and design
- Power reticulation infrastructure including power conversion and inverter stations, substations, power control rooms and UPS systems, transformers and cables
- Safety and protection relays
- Automation, communications, networking and telemetry including fibre optic cabling
- Power quality studies and solutions
- Design of battery systems
- Ongoing asset management and maintenance support
- Network optimisation
- Load management and control

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Ampcontrol’s Remote Area Power Solutions

- Select appropriate equipment for the specific site
- Optimise engine runtimes and fuel usage
- Design of battery systems and integration into the relevant power system
- Full construction and testing capability of battery solutions and accompanying electrical infrastructure

- Design, control and optimisation of renewable and hybrid solutions
- Electrical engineering studies and design
- Power quality studies and solutions
- Installation, testing and commissioning
- Ongoing asset management and maintenance support

- Safety and Protection Relays
- Full power reticulation infrastructure including:
  - Power conversion / inverter stations
  - Substations
  - Powerstation control rooms and UPS systems
  - Transformers
  - Cables

We can as required:
- Deliver a turnkey solution as an EPC or independent power produce alternative
- Act as electrical construction partner/ EPC to the project
- Provide solutions for specific aspects of the project

Integration of the power plant into the broader electrical system it services

- Automation, communications, networking and telemetry
- Fibre optic cabling

- Load optimisation, management and control
- Decreased fuel consumption