


Energy & Carbon Management

Energy efficiency projects to future-proof your business and reduce your carbon emissions.

Reduce your energy consumption and achieve long-term savings.

 sustainableenergysolutions.com.au

Discover how your business can reduce energy consumption and increase its energy productivity

Locking in a competitive contract is an important step in an organisation's energy management journey. However, as energy is a volatile commodity, it's important to explore energy saving opportunities to help reduce your energy consumption and future-proof your business against rising energy cost.

By taking a holistic approach to energy and carbon management, our team can assist you to develop a carbon strategy to achieve Net Zero emissions or explore renewable energy products as well as other energy efficiency technologies that reduce your energy consumption. **Our goal is to help your business reduce your energy consumption, cut greenhouse emissions and achieve sustainable long-term savings.**



ENERGY & CARBON STRATEGY

We can assist your business to map the correct path in order to achieve carbon targets. To reach your goals we will collaborate with external partners and your team, giving consideration to both your timelines and resources.

Our strategies include:

- Target evaluation
- Assessing baseline emissions and their sources
- Projecting future emissions
- Energy reduction projects
- On-site energy generation projects and various purchasing methods
- Additional renewable power necessary
- Energy cost analysis
- Carbon abatement cost curve
- Project management
- Budget preparation

ENERGY AUDITS

Energy Audits are useful in scoping low cost projects with a short ROI. These projects are often supported by government rebates and funding opportunities. We can assist your business with feasibility analysis, and your eligibility for rebates and payback periods of various technologies such as:

- LED lighting assessment
- Heating, ventilation and cooling equipment
- Improvements to the BMS, monitoring and controls
- Boiler efficiencies
- Variable speed drives and soft-starters for motors, pumps and fans
- Power Factor Correction and demand resets
- Rooftop solar PV and energy storage

SOLAR

Going solar is an environmentally friendly solution to off-set increasing energy prices. We can provide your business with an independent and competitive tender process where we score more than 10 suppliers, all based on the same requirements:

- Solar assessments
- Rebate evaluation
- Interactive solar platform with insights
- Custom solar size
- Virtual view of your future solar performance
- Cashflow and ROI analysis
- Solar contracting options
- Easy to read offers
- Live reverse auction
- Project Management
- Solar and Battery analysis

POWER FACTOR CORRECTION

One of the must-have energy solutions of a site is a Power Factor Correction (PFC). A PFC aligns your *Real* and *Apparent Power* in order to provide an optimal Voltage-Current behaviour to your loads. Your electricity network, in turn, perceives a lower kVA requirement that translate in substantial savings on your electricity bill.

Our strategies include:

- PFC Investigation
- Demand Analysis
- Power Quality Investigation (if necessary)
- Tariff Review
- Costs, Savings and ROI
- Project Management
- Budget preparation

LED LIGHTING

Replacing your old lights with LEDs reduces your lighting energy consumption by more than 50%. In many cases, this investment is supported by high energy rebates that result in a low (or \$0) capital outlay. A quick, easy and low-cost solution that also provides savings on maintenance.

This may involve:

- Site visits
- Lighting consumption analysis
- Lighting energy cost pre and post installation
- Rebate eligibility and processing
- Minimum 5 years warranty
- Recycling of old lights
- Project management

DEMAND RESPONSE

Demand Response programs help keep a power grid stable by balancing its supply and demand of electricity. Your business maybe eligible to participate in a Demand Response program based on how you use your energy.

If your business has energy storage assets, such as backup generators or flexible assets like heating and cooling, demand response could help you take control of your energy costs.

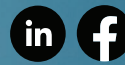
Sectors which have previously achieved substantial returns from demand response include manufacturing, processing, distributing facilities, cold storage, commercial property buildings, councils and more.

- Reduce electricity costs
- Leverage your flexibility to have energy savings
- Improves sustainability credentials





SUSTAINABLE
ENERGY SOLUTIONS
Control your energy costs



**Take control of your energy
and carbon targets today.**

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