



zembla

Everything energy



ENERGY & CARBON MANAGEMENT

Six energy efficiency projects to future-proof your business

Reduce your energy consumption, cut your carbon emissions and achieve long-term commercial energy savings.

Six ways to reduce your energy consumption

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Energy & carbon strategy

Mapping the path to your carbon targets
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Save more than 50% off your lighting consumption
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A lower kVA requirement, and a lower bill
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Demand Response

Turning flexible load into savings

OVERVIEW

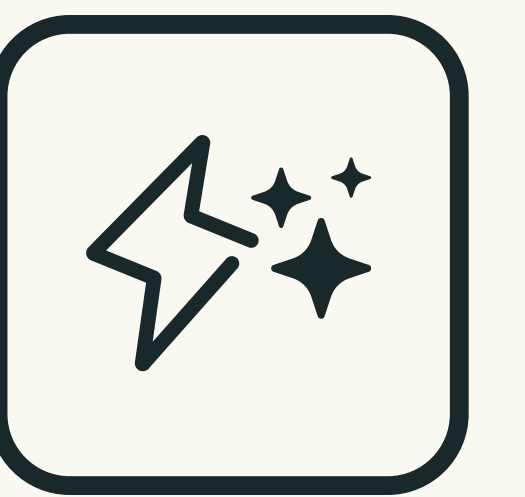
Discover how your business can reduce energy consumption and increase its energy productivity

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 do everything you can to future-proof your business from spiraling energy costs – and beyond just the bill.

Whether your primary focus is on carbon emissions reduction, or saving energy for the benefit of your business bottom line, Zembl has the energy expertise to help.

Our goal is to help your business reduce energy consumption, cut greenhouse emissions and help you achieve sustainable long-term savings for your business bottom line.

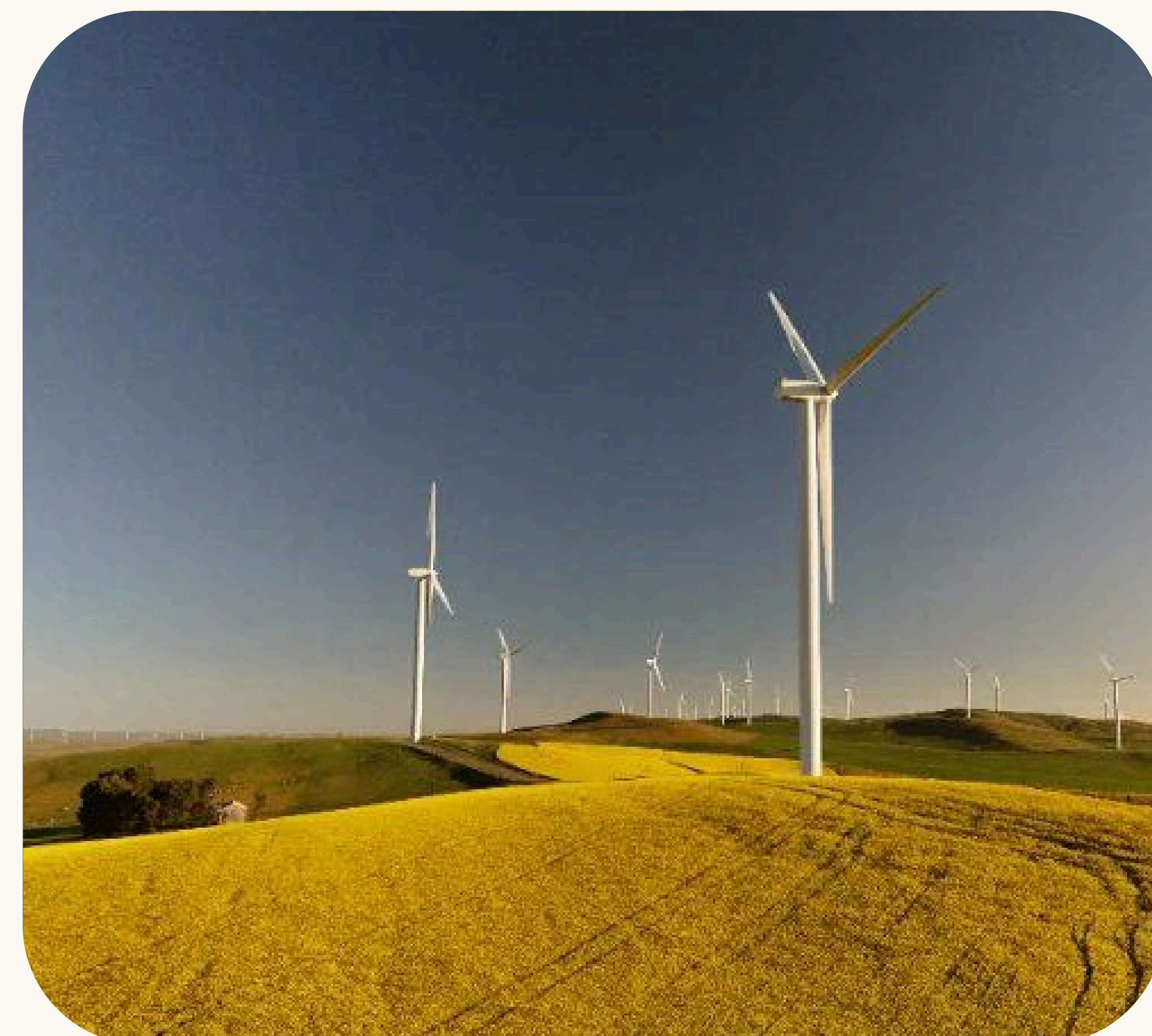
01 Energy & carbon strategy



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.

Whether you're assessing your current emissions and where they come from, forecasting future emissions or planning energy-reduction projects, an energy and carbon strategy is where meaningful action begins.



HOW WE HELP

Our energy and carbon strategies can help your business define its goals and future impacts. They include:

Target evaluation

Projecting future emissions

On-site energy generation projects and various purchasing methods

Energy cost analysis

Assessing baseline emissions & sources

Energy reduction projects

Additional renewable power requirements

Budget preparation

02 Energy audits



Energy Audits are useful in scoping low cost projects with a short ROI. The projects identified by an Energy Audit are often supported by government rebates and funding opportunities.

An Energy Audit looks thoroughly at the hidden energy opportunities within your operations and business – then looks at the feasibility and cost outcome for them.

Amongst other revelations, an energy audit will show the business the cost of investing in various projects, and the payback timeframes – ie how long it will take before that cost is returned to the business via energy savings.



HOW WE HELP

We can assist your business with feasibility analysis, and your eligibility for rebates and payback periods of various technologies such as:

LED lighting assessment

Improvements to the BMS, monitoring and controls

Variable speed drives and soft-starters for motors, pumps and fans

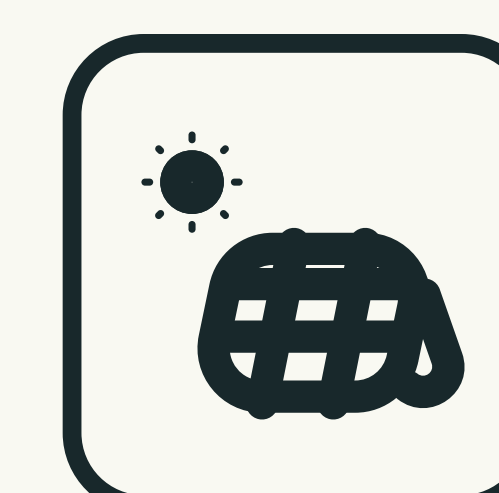
Rooftop solar PV and energy storage

Heating, ventilation and cooling equipment

Boiler efficiencies

Power Factor Correction and demand resets

03 Solar



Going Solar is an environmentally friendly solution to offset increasing energy prices.



Whilst the upfront cost of a large solar and battery system might be off-putting, the long-term savings can outweigh that cost and start paying your business back in energy savings within a few years.

Better still, going Solar is well supported by government incentives – and changes planned for October 2026 to STCs (Small-scale Technology Certificates) could reduce both upfront investment, and payback timeframes by 25%, making the business maths for solar make more sense than ever.

HOW WE HELP

We can provide your business with an independent and competitive tender process for your Solar project, using vetted and trusted Solar specialists only.

Solar assessments

Solar financing options advice

Virtual view of your future solar performance

Solar contracting options

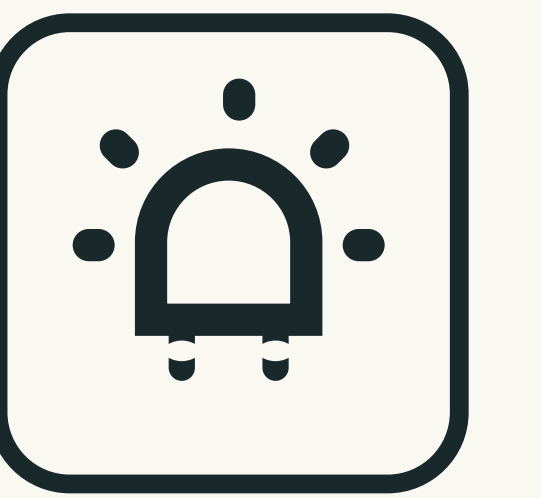
Solar and Battery analysis

Rebate evaluation

Cashflow and ROI analysis

Project facilitation

04 LED lighting



Replacing your old lights with LEDs reduces your lighting energy consumption by more than 50%.

In many cases, the investment to upgrade your lighting to LEDs is supported by significant energy rebates that result in a low (or \$0) capital outlay.



50%+

Reduction in lighting energy consumption when old lights are replaced with LEDs

HOW WE HELP

We can connect you with a lighting specialist who will provide the following to help action the switch to LEDs

Lighting energy cost analysis, pre and post installation

Lighting consumption analysis

Minimum 5 years warranty

Rebate eligibility & processing

Project management

05 Power Factor Correction



One of the must-have energy solutions of any site is a Power Factor Correction (PFC) unit.

A poor power factor means you're paying for a full glass and only getting half a drink. Capacitor banks fix the pour. Less froth, same beer, lower demand charges.

A PFC aligns your Real and Apparent Power in order to provide an optimal Voltage-Current behaviour to your loads.

Some use the beer froth analogy to explain power factor correction — the liquid is the real power doing useful work, the froth is reactive power that still has to be supplied but achieves nothing.

10-30%

Reduction in demand charges is possible with optimal Power Factor

HOW WE HELP

Our commercial clients get PF assessments as part of their ongoing energy service and connection to a trusted supplier for Power Factor Correction help.

PFC Investigation

Power Quality Investigation (if necessary)

Costs, savings and ROI assessment

Budget preparation

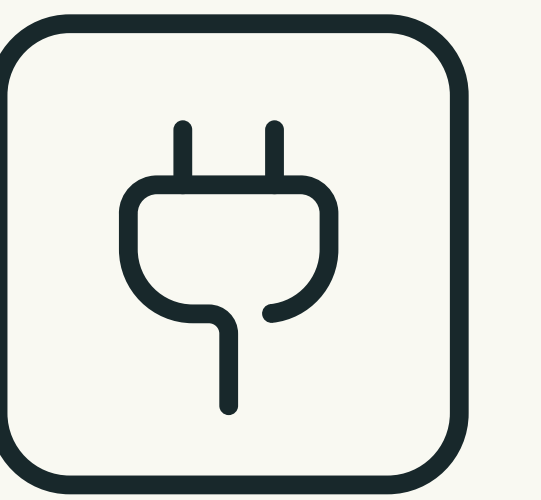
Demand Analysis

Tariff Review

PFC supplier liaison

Project Facilitation

06 Demand Response



Demand Response programs help keep a power grid stable by balancing its supply and demand of electricity.

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

If your business can shift or reduce consumption during peak grid events — even occasionally — you may be eligible to generate revenue from that flexibility.

ARENA's (Australian Renewable Energy Agency) demand response hub is a good starting point for understanding how the mechanism works and what participation looks like in practice. (See link at right.)

Want to know if demand response could work for your site? Here's a trusted government resource:

arena.gov.au/renewable-energy/demand-response

DEMAND RESPONSE

Some of the advantages

Reduce electricity costs

Leverage operational flexibility

Improve sustainability credentials



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Wherever you're at in your energy efficiency transformation, your Zembl team can:

- Analyse your opportunity
- Connect you with carefully vetted suppliers
- Stay accountable to the outcome for your business

Scan to request
a callback



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zembl.com.au/energy-efficiency/efficiency