



SOLAR - EPC - ANALYSIS



CALL: 1300 344 388

info@smartconsult.com.au

\$10M IN GOVERNMENT GRANTS FOR HOTELS

ARE YOU A HOTEL, MOTEL OR SERVICED APARTMENTS WITH 1-99 BEDROOMS?

DON'T MISS OUT ON FUNDING

WITH THE HOTEL UPLIFT PROGRAM

APPLY FOR \$10-25K ENERGY REDUCTION GRANT

USE TO HELP IMPROVE

- HVAC (HEATING, VENTILATION, AND AIR CON)
- POOL HEATING
- COLD STORE EFFICIENCY
- THERMAL INSULATION
- POWER FACTOR CORRECTION

CALL 1300 344 388 TODAY

APPLICATIONS CLOSE 1ST APRIL 2021

SAVE UP TO **70% IN ENERGY COSTS** WITH ENERGY EFFICIENCY UPGRADES

www.smartconsult.com.au

SMARTCONSULT SERVICES

Organisations share a common goal: to reduce energy costs while maintaining or upgrading a site's energy infrastructure. If planning has already begun, a second impartial opinion on proposals is recommended.

At SmartConsult, we offer advice and assistance to all types of businesses including hotels and motels.

Our impartial advice supports owners and management with decision making to ensure the most suitable energy efficient solutions are selected and all opportunities for energy reduction are considered.

Our consulting can help you ensure you sign off on the most energy efficient solutions and designs and make choices that will achieve the best outcome.

At SmartConsult our range of support services assist you with decision making to ensure the most energy efficient systems. We also assist with government grant energy reduction applications and our energy auditors can apply for funding on your behalf.



ASSISTANCE WITH

Energy consumption reduction



Energy cost reduction

Solar design and installation



Swimming pool heating

Air conditioning replacement or upgrades

WE OFFER

CONSULTING

Impartial expert advice

Energy solution expertise

Power factor correction system sizing
Network tariff analysis

Energy Auditing Electrical + Thermal

SOLAR

Solar system sizing and analysis

Solar design and installation

Microgrid design and analysis

Hybrid solar, generator, grid and battery
systems integration

SOLUTIONS

Feasibility studies for renewable energy
and heat pumps

Thermal storage design and control
systems

Advanced heat pump and ancillary
products analysis and comparison on
new and existing buildings

Heating and cooling as a service (CHAAS)

COST REDUCTION SAVINGS

INTERVAL DATA ANALYSIS

Many Body Corporates are paying too much for electricity and may have the potential to significantly reduce energy costs. With an interval data assessment, there is a good chance an instant reduction can be achieved through a range of strategies including tariff network reconfiguration.

As we review interval data, we also identify opportunities for energy efficiency. Our analysis looks at how a Body Corporate consumes energy to see how much money can be saved. Potential savings are 15-25% off the annual cost of electricity.



BATTERY ENERGY STORAGE

As renewables have become increasingly prominent on the electrical grid, there has been a growing interest in systems that store clean energy.

At SmartConsult we assess your energy storage requirements and source the most appropriate energy storage technology to suit.

We have access to the newest technology of long-life battery storage options and supported by data, we will recommend which option may be best.

RETAIL AND NETWORK TARIFFS

At SmartConsult, we specialise in the optimisation of the network tariff component and have a successful track record in making significant savings through adjusting the network tariffs for our clients. We have developed complex in-house systems that analyse your meter data (where available) and calculate annual network charges based on your electricity usage.

We then match your load profile against other network tariffs that may be applicable for your site and compare annual costs. If a more applicable (cheaper) tariff is found, then we will prepare formal submission to the local distributor to have the site network tariff changed. If you are on a demand tariff, we also review demand data to ensure your contract demand matches your demand profile. If your contract demand is too high, then we can formally request a demand reset through the local distributor.

SOLAR SIZING & SYSTEM TYPES

SmartConsult carefully model and size each custom solar PV and PFC solution we recommend to our clients. This modelling is generated by analysing your electricity charges and historical 30-minute interval data records. This allows us to model the actual consumption profile against accurate simulated solar production.

Interval data comes in many formats depending on the retailer (i.e. Origin, AGL, ERM), and processing this data must be done by suitably qualified and experienced analysts in order to ensure accurate ROI and financial calculations.

SmartConsult are leaders in this field throughout Australia. Investing in a solar system too small or too big will only result in non-optimal financial return. SmartConsult guarantee our modelling and analysis.

If you are about to sign an agreement to install solar, we can advise you if the design has been completed correctly for your site.

SOLAR

SOLAR DESIGN & INSTALLATION

SmartConsult Solar are happy to provide you with a solar PV proposal, complete with accurate interval data analysis and financial calculation modelling for your consideration.

If you already have quotes, let us provide a comparative quote to ensure you are making an informed decision before choosing to proceed. If you have already chosen a solar provider, SmartConsult can assist by reviewing your quotes and providing independent and impartial advice and feedback, whilst also flagging errors or issues to be rectified with their applicants, design, process, and regulatory compliance before proceeding.

SOLAR PV AND EMBEDDED NETWORKS:

If a housing estate has a master meter at the front gate and submeters on each dwelling or other building it is classified as an embedded network. The DNSP or Power Networks have determined that each solar system on the dwelling or clubhouses forms part of one large system for the purpose of the electrical regulations. Therefore, when the body corporate applies for solar to the DNSP it needs apply for the total envisaged solar and battery capacity for the site. This will invariably mean that the site will require additional electrical protection systems and potentially install a control system to manage the solar systems. If a combined system is greater than 100kW of solar panels, it may still be possible to claim the government rebate on each installation.

SmartConsult can advise on the best solution for this depending on the site configuration and site requirements.

OTHER SERVICES

ENERGY AUDITS

Gain a proper insight on energy expenditure and how environmental impact can be reduced, identifying opportunities for improvement that fits within your budget to achieve higher energy efficiency.

At SmartConsult all Energy Audits are conducted by a team of accredited professionals following the AS/NZS 3598:2014 Standard for Commercial and Industrial buildings provided through the Clean Energy Efficiency Council.

Our professional expertise is to review both your electrical energy use and appliances as well as thermal energy use, which is not a common expertise of most energy auditors.

POWER FACTOR CORRECTION

SmartConsult also have the tools to correctly size the PFC unit your site requires. We are constantly finding sites with incorrectly sized power factor units installed by contractors that do not know how to process the data correctly. If you are paying kVA charges on your bill, if you have an inefficient power factor, then SmartConsult can save you considerable costs otherwise wasted, by correctly sizing and installing a PFC unit! Contact us for a free initial assessment today.

CONTACT US

1300 344 388

info@smartconsult.com.au
11/247 Scottsdale Drive, Robina, QLD 4226

www.smartconsult.com.au



S O L A R - E P C - C O N S U L T I N G