

THE IMPORTANCE OF ENERGY AUDITS

The key to a successful Renewable Energy System is to take an analytical approach & deep technical understanding of the objectives before the design phase of the project can begin.

To this end Solterra CAPE / WEST COAST utilises the most advanced electrical data capturing, logging, software & test equipment on the market to fully understand the clients exact requirements before a system design is carried out.



By carrying out an ENERGY AUDIT, capturing the data, analysing & using the information in the system design a suitable outcome is achieved.

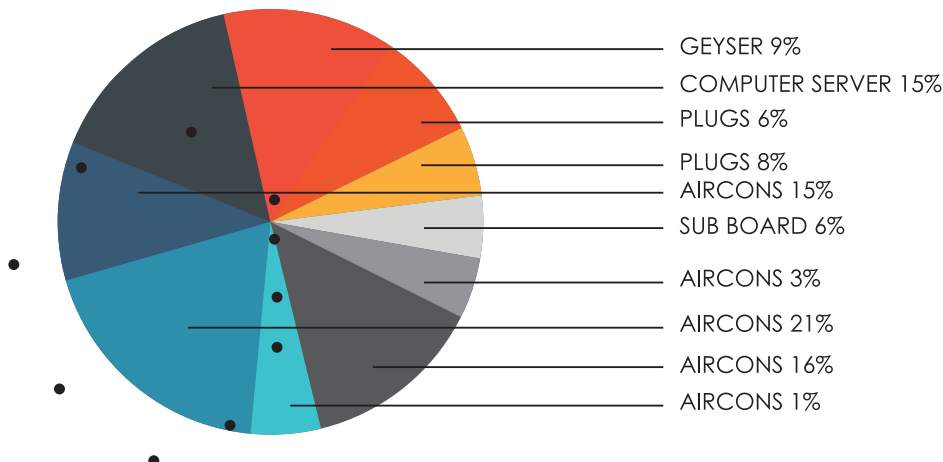
If you use an electrical connection of 3 Kw.h or more, an energy audit is highly recommended as we have found that the energy usage profile becomes reasonably complex from this size, requiring a professional approach to mapping and optimising the use of energy within your home or organisation.

Once traditional methods of energy efficiency (eg. efficient appliances, LED lighting, efficient pumps etc.) have been exhausted we then look at ways in which the integration of SOLAR PV & THERMAL (water) systems can result in overall savings much greater than the rated solar plant output.

IN SHORT, SOLTERRA CAPE / WEST COAST ENERGY AUDIT HELPS YOU:

- Reduces energy costs significantly
- Helps identify the correct alternative energy products
- Increases energy efficiencies without increased effort levels
- Maximises the impact of alternative energy products
- Understand the cost implications of the various appliances, pumps, machines and end users, which consume large energy
- Ensure correct billing tariff is selected (ESKOM has 13 tariffs available)
- Maximize impact of efficiency/alternative energy products
- Get a clear understanding of cost/energy reduction
- Ensure efficiency/alternative energy products to coincide with tariff selection
- Understand the latest hi-tech energy efficiency products and applications
- Make an informed decision on efficiency/alternative energy products based on cost and benefit
- Ensure correct efficiency/alternative energy product selection

THIS CHART ILLUSTRATES A SIMPLE COMMERCIAL BUSINESS ENERGY USAGE BREAKDOWN:



Consulting beforehand & communicating with our clients throughout the entire TURNKEY PROJECT is critical to a smooth and hassle free end result.