

Reduce Energy – Save Money – Increase Productivity

Increased energy costs and heightened awareness of the environmental impact of carbon emissions have brought a renewed focus on the energy efficiency of businesses in Australia. Improved energy management and the implementation of energy efficiency measures have immediate financial, operational, and environmental benefits.

An energy management strategy is expected to deliver the following:

- Reduced energy bill expenses
- Reduced GHG emissions across business activity
- Reduced long term maintenance costs of energy consuming items of plant
- Increased productivity
- Improved budget forecasting and a more targeted business development strategy
- Enhanced company profile within an increasingly environmentally conscious market

Enhar supports businesses to achieve their energy management goals through a number of services.

Our Services

Energy Auditing

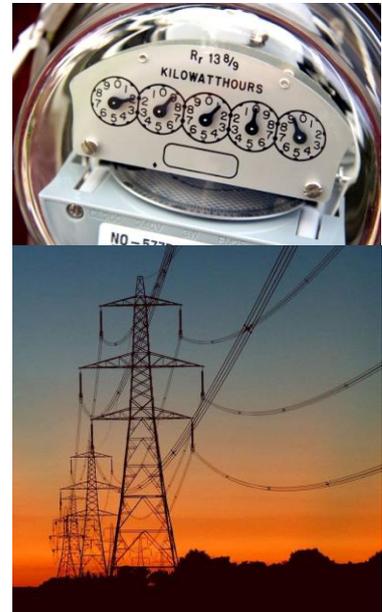
Energy auditing and assessments are a critical step in understanding your site's energy consumption; what it is and where it goes. We have a proven track record of energy auditing, delivering real savings to clients and an improved understanding of energy consumption. Audits are often a requirement for government funding and incentive schemes, and our audit reports have been used successfully to achieve grant approval. To date we have secured close to \$1 Million in grant funding for our clients. We conduct all levels of energy auditing in accordance with the prescribed Australian Standard – 3598:2000.

Level 1 Energy Audit

A Level 1 Energy Audit is a desktop study based on data supplied by the client. The audit provides a basic overview of the energy consumption at the site and includes general recommendations about improving energy usage. The audit includes:

- Assessment of annual energy consumption (gas and electricity) and annual cost of the site's energy demand
- Analyse site interval and electricity bill data to establish energy consumption behaviour and overall site energy efficiency
- Setting of performance indicators for internal benchmarking and comparison with industry norms
- Broad indication of potential energy efficiency measures based on consultation with site staff.
- A report that includes key findings and broad recommendations.

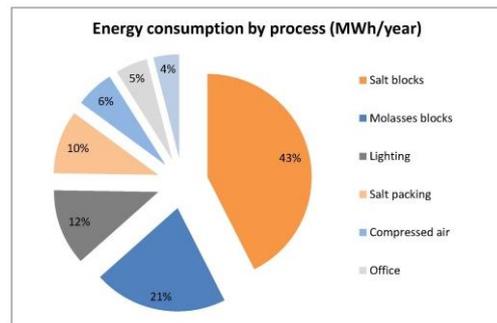
Clients of our Energy Audit services include:



Level 2 Energy Audit

A Level 2 Energy Audit provides a more detailed summary of the energy consuming processes that occur at a site along with a financial case for the recommendations proposed. In addition a Level 1 audit, a Level 2 audit includes the following:

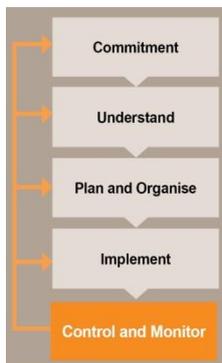
- On site visit where Enhar will inspect building fabric, type and usage patterns as well as monitor selected items of plant.
- Reconciliation of billed energy consumption with the site's operations and processes
- Recommended energy efficiency measures including capital works and general management options ranked according to their projected financial return.
- A report that presents all key findings and recommendations.



Level 3 Energy Audit

A Level 3 Audit goes beyond a Level 2 Audit by requiring a more precise level of energy consumption monitoring and a more involved economic analysis of the recommended measures. This level of audit often forms the justification for substantial investment into a specific site upgrade.

Energy Management Program Assistance



An Energy Management Program (EMP) creates a systematic approach towards identifying energy bill reduction opportunities, prioritising initiatives, implementing initiatives and monitoring results. As set out in the Australian Standard for energy auditing the implementation of a functioning EMP involves:

- Corporate commitment
- Understanding of energy consuming processes
- Planning and organisation of energy reduction goals and targets
- Implementation of energy reduction initiatives
- Regular control and monitoring of initiative progress towards set targets.

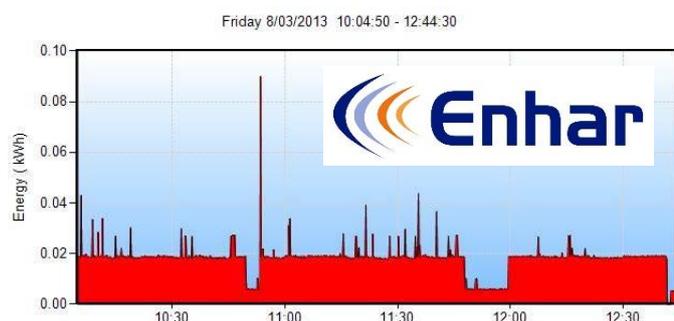
Enhar can assist with each step, including drafting a formalised energy management policy statement and implementation plan.

Case Study

A Manufacturer in Melbourne had an annual energy bill of \$146,000 per year including 488,000 kWh of electricity and nearly 7,000 GJ of gas. An Enhar energy audit was conducted and we identified savings through a lighting upgrade (32,000 kWh/yr savings), a 100kW solar PV installation (140,000 kWh/yr savings), and compressed air system improvements (16,000 kWh/yr savings). The company went on to install these measures and successfully reduced their kWh consumption by over 30% and achieved a 26% saving on their energy costs.

Monitoring and Targeting

We are capable of providing detailed energy consumption data of specific items of plant over various time frames to establish consumption baselines or assess energy reduction success. An energy monitoring survey of selected items of a plant at a business site can also be used to target initiatives with the highest energy bill saving potential. Enhar can also analyse site interval and electricity bill data to establish energy consumption behaviour and overall site energy efficiency.



Enhar Pty Ltd

Suite G-03, 60 Leicester St, Carlton VIC 3121

T: +61 3 9429 9463 F: +61 3 8676 4924 E: info@enhar.com.au www.enhar.com.au