



Driving business improvement and delivering cost savings

Energetics is working with many clients as they transform their operations for a low carbon economy. Using our implementation services, we help convert climate change opportunities into sustainable cost reductions and maximise return on investment.

energetics

In the
business of
climate change

Driving business improvement and delivering cost savings

Energetics works with you to save money and improve energy and water efficiency through improved operations and maintenance practices and delivery of capital projects. We can assess eligibility and manage applications for government and utility sponsored incentives, assist in earning income from carbon credits, and secure financing where required to improve a project's viability. Energetics can manage your projects through to completion, verify outcomes and ensure savings are sustained.



Driving cost reductions

Energetics provides expertise in a range of disciplines and experience from numerous delivery projects to ensure effective implementation of business initiatives spanning carbon, energy and water management. We offer a holistic understanding of the steps needed to transform a business in readiness for a carbon and resource constrained environment.

Time spent developing strategies and identifying opportunities may be wasted unless the implementation is planned and integrated with the site operations.

Identifying savings opportunities

Energetics works with your team to identify energy and water saving opportunities, define costs and benefits and prepare justification for action.

We undertake Energy Efficiency Opportunities (EEO) assessments to identify savings from operation and maintenance improvements and capital projects. We also assess options relating to energy substitution, demand management and on-site renewable energy generation.

Optimising your processes

Major savings can stem from improvements to the operation of your core processes. Plant, or system-wide optimisation, scheduling and advanced/improved control of a core process can reduce the demand for energy services and offer other benefits. Our services include process

optimisation using our team of chemical and process engineers, and our access to information on world's best practice in energy and water management.

Developing feasibility studies and getting your projects off the ground

Energetics is uniquely positioned to assist you to select your highest potential capital intensive options and build the business case for budget approval. We conduct feasibility and conceptual design studies for capital intensive energy savings and on-site renewable projects – and where required, bring in external specialists to ensure you get the best outcome. Energetics' consultants have the skills to understand the technical aspects of design and construction projects. We also have a clear understanding of the energy and climate change markets required to maximise the commercial benefits.

Our service includes a benefits realisation component to explore the full range of government funding options, demand management incentives, tax rebates and carbon credits available. We advise on financing options and assist in designing performance-based contracts that can reduce or eliminate upfront capital requirements. Drawing on this knowledge and experience, we can guide your project through your approval process.

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Project implementation

The complexity of an energy, carbon or water cost reduction initiative can vary from a straightforward non-disruptive single technology/single site measure through to a multi-technology/multi-site project that has significant operational impacts across core business outputs.

With the different levels of complexity comes different steps that need to be undertaken to ensure successful outcomes. Energetics can deliver discrete elements of projects such as feasibility or conceptual studies, procurement (e.g. Energy Performance Contract), or a project coordination and management service. We work with our clients to ensure that implementation has minimal interruption to the business output or service levels.

Our in-depth knowledge of the constantly changing energy and carbon markets (e.g. energy rates and future price escalation, funding opportunities, legislation) ensures that the viability of each project can be regularly assessed and optimised as the external landscape changes.

“Our clients benefit from long-term, effective solutions that save cost, manage risk and minimise climate change impacts.”

Program planning and development

Successful implementation of a portfolio of projects relies on appropriate solution development and planning. We assist with all aspects of planning to ensure that the program is set up for success. This includes defining the objectives, goals and targets, developing the overarching management and governance system, structuring projects for rapid cycle incremental improvement, and identifying other success measures.

We also have experience to assist clients with non technical aspects vital to a program’s success, such as developing an appropriate communication plan to obtain internal engagement and external recognition.

Program implementation and management

In managing a successful program, projects need to be tracked to the desired outcomes,

and action is required when there is deviation from the program. We assist with the development and tracking of action plan, budget and resource plan. We are able to develop Government compliance reports and provide regular management reports to ensure consistent reporting of the overall performance of the program.

We can also take learnings from one site, region or division and replicate the savings across other parts of the business.

Measurement and verification

We design and implement clearly defined measurement and verification plans that provide the ability to confirm project objectives and support funding submissions. This is often a critical component to obtain an agreement between project partners.

Business systems for continuous improvement

In facilitating program implementation, we work with our clients to get the optimum mix of resources and develop a framework for continuous improvement. This results in not just the technical implementation, but also changes in management practices, communicating changes, developing internal training materials and building capacity.

In helping you make and sustain changes in management practices we draw on our proprietary One2Five® management diagnostic process to gain management consensus and prioritised action plans to enhance your business practices in a structured fashion. By periodically reviewing your management systems in carbon, energy and water, you can measure your continuous improvement and benchmark your organisation against others in your industry.

Building your capacity

Further aiding your continuous improvement, we can establish awareness, training and mentoring programs that build the capability of your team to more effectively manage emissions and energy/water use as part of the way you do business.

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