

Energy Saver



Advanced Manufacturing and Energy Management Systems

Monday, 18 February 2019



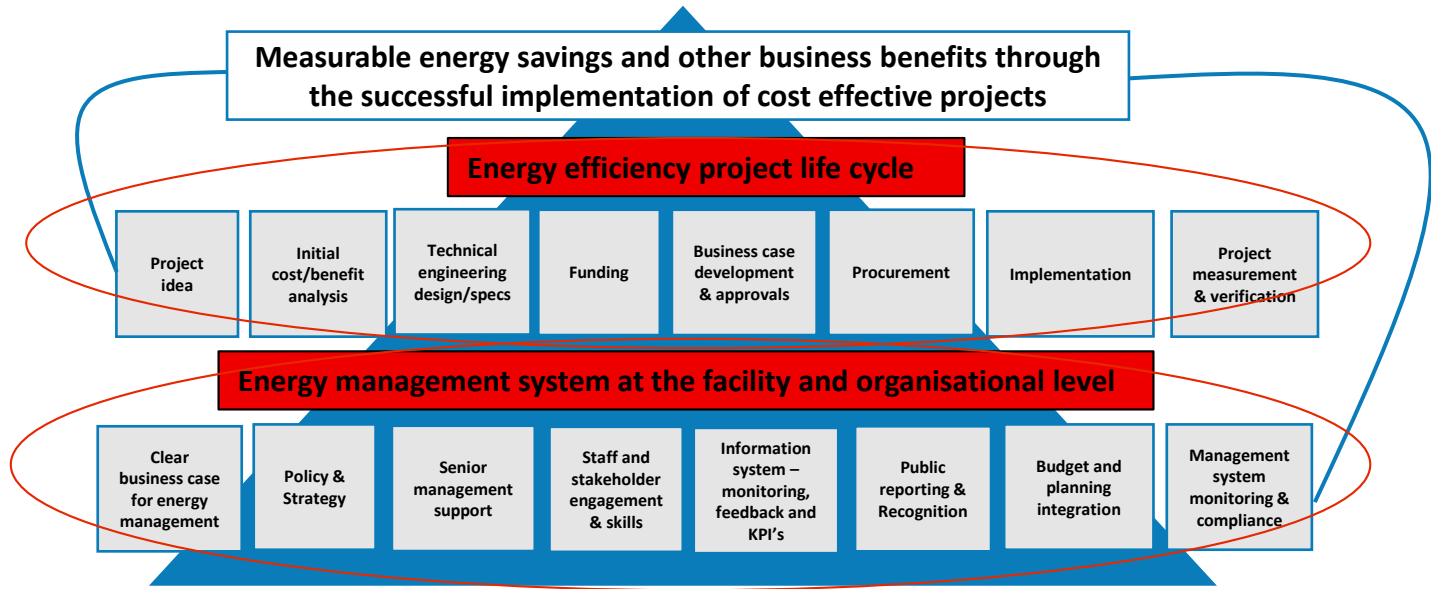
Presented by David Hoffmann

What is an Energy Management System?

An EnMS outlines the management process necessary for

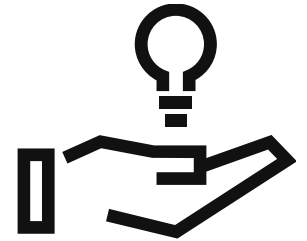
- Tracking,
- Monitoring,
- Understanding and
- Improving all aspects of energy use within an organization.





An integrated view of energy management

An integrated view of energy management brings together both corporate/site and project level perspectives on the activities required to continuously improve energy performance.



Essential Skills

For business and proper implementation of an Energy Management System (EnMS)



Business skills

Energy contract negotiations

Identifying and influencing stakeholders

Business case development and presentation

Finance



Energy Skills

Energy management

Renewable energy

Energy efficiency

Energy monitoring and data analytics



Technical Skills

control and optimisation strategies

Internet of Things

new technology

asset management and upgrades

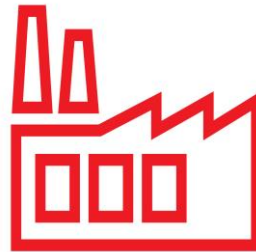
Government led direct industry support



Training



One on one support/coaching



Co-funded smart meters/monitoring

Industry Skills Training



Diverse methods of training delivery to suit the needs of industry

Emphasis on relevant topics and subjects, with a mix of practical, technical and operational advice

Example: A wide mix including regional delivery, face-to-face, in person, online, webinars, case studies, interactive and pre-recorded material

Example topics:

- Introduction to Energy Management
- Commercial Refrigeration
- Heating, Ventilation, Air Conditioning (HVAC)
- Advanced Energy Management
- Energy Management for Facilities Managers

One on One Support and Coaching



Focus on all sizes of industry, including SME and regional businesses

Example: Subject experts, funded through government provide direct on-site, in-person support.

Energy management capability development

Example: Businesses are guided through the process of identifying immediate areas of focus to build organisational capacity around energy management (procurement, demand, etc).

Technical scoping, short and long term

Example: Energy management support includes development of short and long term technical project scoping, including expected energy and financial benefits

Manufacturing efficiency funding

Over \$16 million in funding to help manufacturing businesses save energy and money.

The funding will help you:

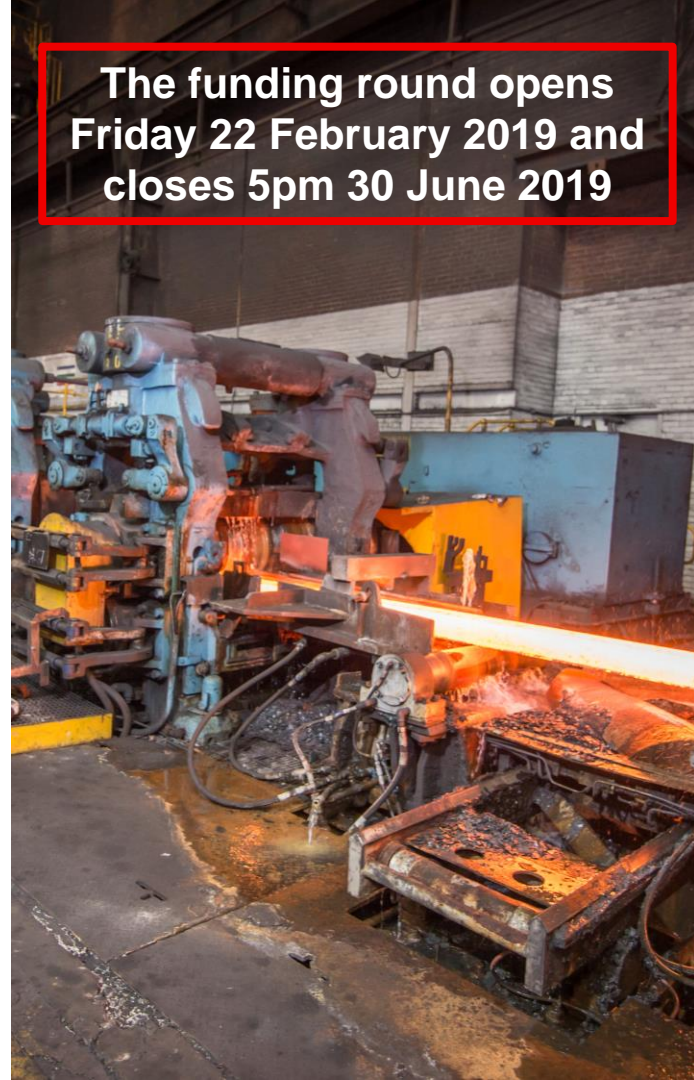
- upgrade energy monitoring systems
- replace or retrofit old, inefficient equipment
- improve manufacturing processes.

If you're successful, you'll get up to \$120,000 in matched funding per site, to implement a project that saves gas or electricity.

There are two funding offers available:

Offer 1 and Offer 2 (choose from either 2a or 2b).

The funding round opens
Friday 22 February 2019 and
closes 5pm 30 June 2019



Manufacturing efficiency funding

Offer 1 - Metering & process optimisation

Up to \$50,000 per site

Install or upgrade energy monitoring systems, so you can improve control of machinery and manufacturing processes to save energy

Metering must be linked to process optimisation

Offer 2a – Simple energy efficiency upgrades

Multiple projects up to \$30,000 per site

Save energy by replacing or retrofitting technologies like economisers on boilers and variable speed drives.

The full list of eligible technologies and funding caps is available in the application form.

Offer 2b – Measured and verified energy efficiency upgrades.

Up to \$70,000 per site

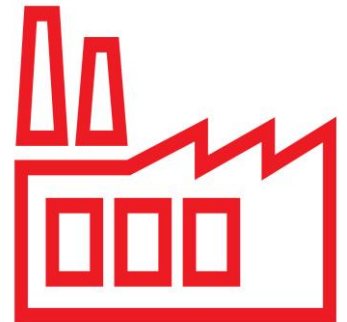
Implement complex energy efficiency projects such as heat recovery and boiler upgrades.

This offer involves verifying the energy savings using an internationally recognised method.

Act now!

- Go to our website: www.energysaver.nsw.gov.au/manufacturing
- Register to attend a briefing session
- Register interest on the website to stay informed of program updates
- Review documentation and apply for funding now (we will assess applications as they come in and issue funding contracts)

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