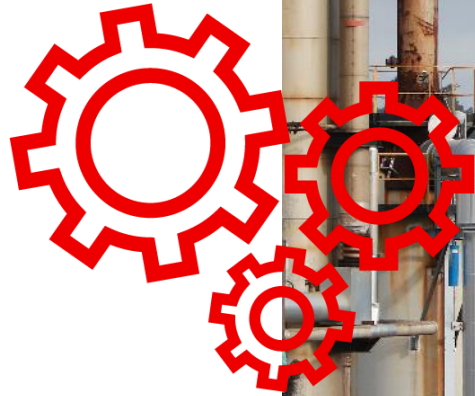




**Energy Saver**

**Discover ways to  
reduce your business  
energy use.**



A worker in a blue hard hat and orange shirt is operating a large industrial valve. Steam is being released from the valve, and a large pile of brown, sludgy material is visible in the foreground. The background shows industrial structures with signs, including one with the number 315 and another with the text 'EMERGENCY'.

**Save money and  
learn about  
energy management**

# What is energy management?

An EnMS outlines the management process necessary for:

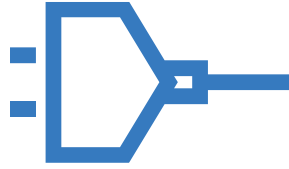
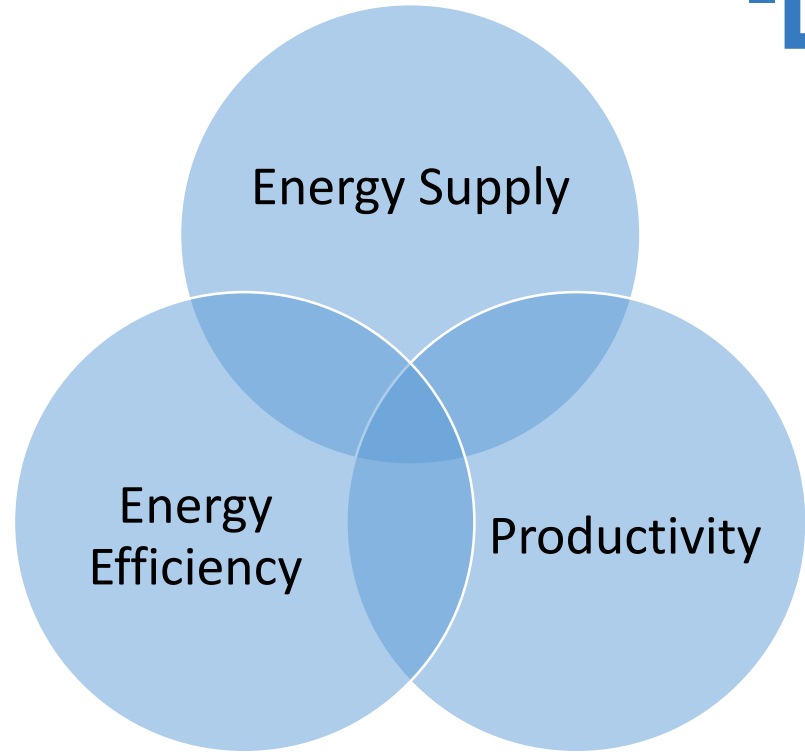
- **Tracking**
- **Monitoring**
- **Understanding**
- **Improving** all aspects of energy use within an organisation.



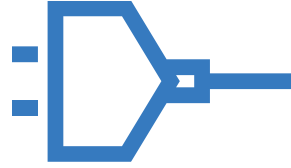
# What is energy management?

Energy management is a discipline which includes the nexus between:

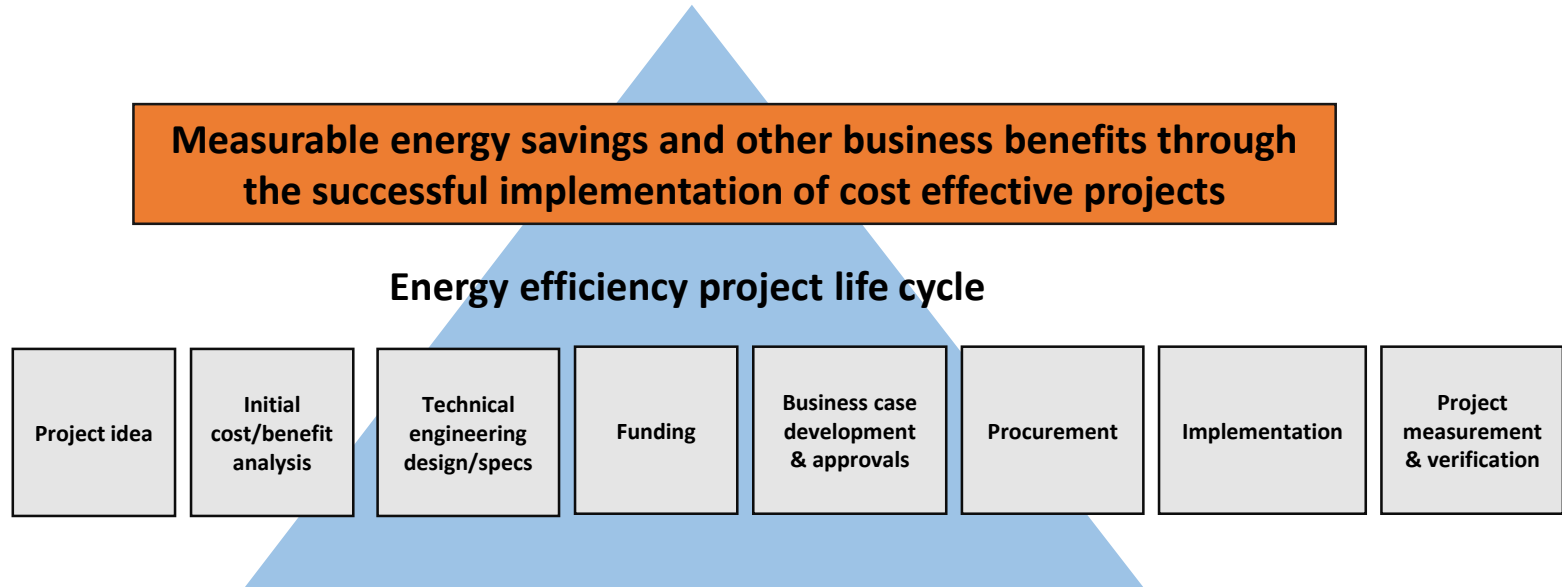
1. Energy supply
2. Energy efficiency
3. Productivity



# Energy management at the project level

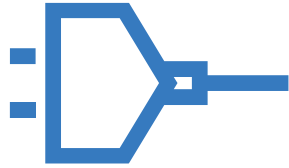


At the project level, skills are required to progress ‘ideas’ about ways to improve energy efficiency through to ‘approval’ and ‘implementation.’ M&V completes the cycle by verifying what outcomes and benefits have actually been achieved.

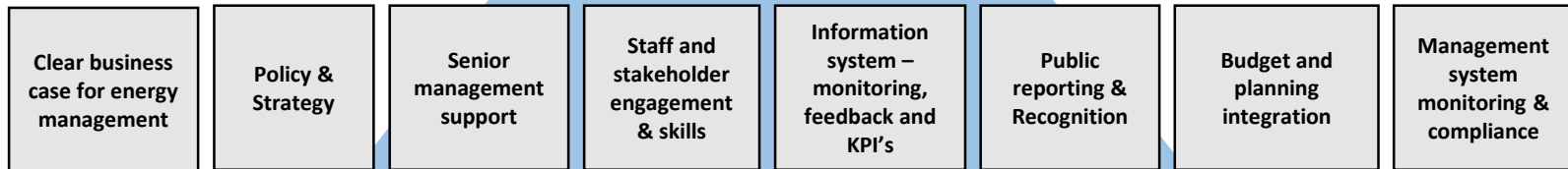


# Energy management at the corporate/site level

At the corporate and or site level, skills are required to put in place systems and processes that support the identification and ongoing management of energy projects. Typically referred to as an 'energy management system' the elements referred to in the diagram create the 'management infrastructure' required to support continuous improvement in energy efficiency.

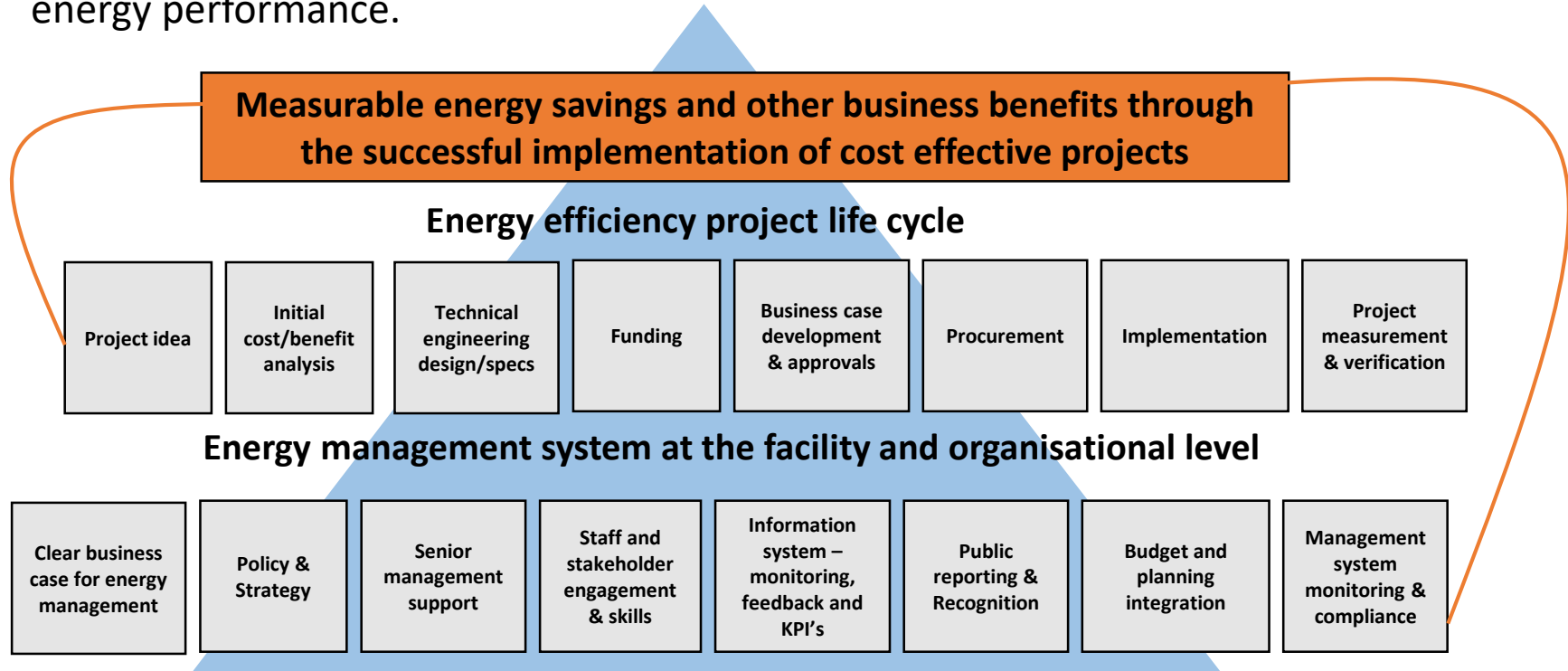


## Energy management system at the facility and organisational level



# 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 managing energy!

A mix of essential skills is needed 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





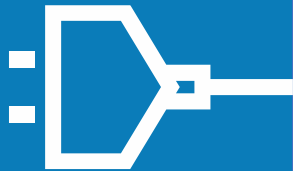
“By implementing energy management programs, organisations can save up to 20% on their energy bill and achieve further savings up to 5%–10% with minimal investment, effectively cutting operational costs”

**(Carbon Trust, 2011)**

# Support to access manufacturing funding

- **Project scoping for large businesses**
  - FREE / site visit / expert guidance
- **Metering scope**
  - \$150 / site visit / support to scope your metering projects
- **development of your energy efficiency business case\***
  - \$300 / business case report / 15 hours of advisor support

\*available to training course participants



# Free training for small business

Our digital delivery provides **free monthly webinars** covering a variety of energy topics.

Businesses with <50 employees can access **two hours of direct support** for a minimal fee.

We also offer a free **1 hour energy management basics training** for all small businesses.

Multiple **free online modules** offering guidance on a range of energy topics.

**3700**  
businesses

# EnMS benchmark and support for manufacturers

The EMS program delivers **free energy management system (EnMS) benchmarking**

We identify priorities to be targeted by tailored support projects.

Delivered by industry experts, the support projects **assist participating businesses to improve their strategic approach to energy management and increase their energy productivity.**

*"It's a problem. Water is easier to identify measures, but energy is hard. It's a blank bit of paper, and that's what I'm scared about to be honest."*

-A business participating in the EnMS benchmarking pilot

**\$30k**

funding per  
business

---

support for  
over

**120**

businesses

# EnMS benchmark and support for manufacturers

Support includes options such as:

- **Developing an energy management action plan**
- **Developing a metering and monitoring plan**
- **Key training for business staff/employees**
- **Formal KPI/job responsibilities for an internal energy manager**
- **Assistance with other energy program/funding applications**

*"It's a problem. Water is easier to identify measures, but energy is hard. It's a blank bit of paper, and that's what I'm scared about to be honest."*

-A business participating in the EnMS benchmarking pilot

**\$30k**

funding per  
business

---

support for  
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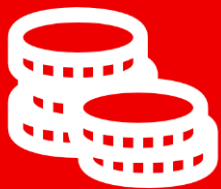
# Small Business Coaching - Coming soon

Energy coaching for small business

- Small businesses do not know where to find the right information and are less likely to invest in new technology.
- 1-1 coaching for businesses to identify ways to save energy and money.
- Increase energy reduction measures and direct businesses to additional support from OEH.
- \$20 business contribution for 2 hours of direct, one-on-one support.

**Pilot**  
20 business

**[energysaver.nsw.gov.au/  
training](https://energysaver.nsw.gov.au/training)**



Manufacturers can access up to

**\$120,000**

in matched funding to save energy and money

- Funding available to:
  - Upgrade energy monitoring systems,
  - Replace or retrofit old, inefficient equipment with new energy efficient equipment,
  - Improve manufacturing processes.

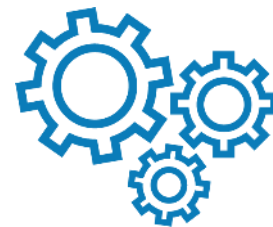


# Who can apply

- Eligible if you manufacture products and your project relates to that process
- Manufacturing site must be located in **NSW**



# Funding offer overview



## *Offer 1*

Metering and process  
optimisation  
**\$50k matched**

## *Offer 2a*

Simple energy efficiency  
upgrades **\$30k matched**

## *Offer 2b*

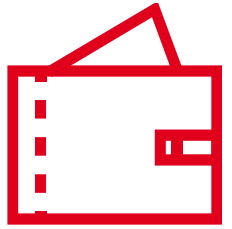
Large energy efficiency  
upgrades  
**\$70k matched**

Prove the benefit of  
metering and give  
businesses the tools to  
manage their energy

Help businesses get  
quick wins through  
simple upgrades with  
minimal paperwork

Support businesses  
that want to do more  
complex projects and  
see the savings

# Nudie Foods



- Awarded **\$26,000** in funding to replace a burner on their boiler
- Resulted in gas savings of **\$11,000** per year

**nudie**<sup>®</sup>  
creators of good



# 4 Pines Brewing Company

- High-efficiency chiller purchased with help from NSW Government funding
- Saved around **\$20,000** a year in gas bills.

“Measurement is absolutely essential to any continuous improvement, if you can’t measure it, you can’t control it...installing the steam meter on the main steam supply enabled us to validate the work we had done.”

*Chris Fox, Contract Engineer  
4 Pines Brewing*



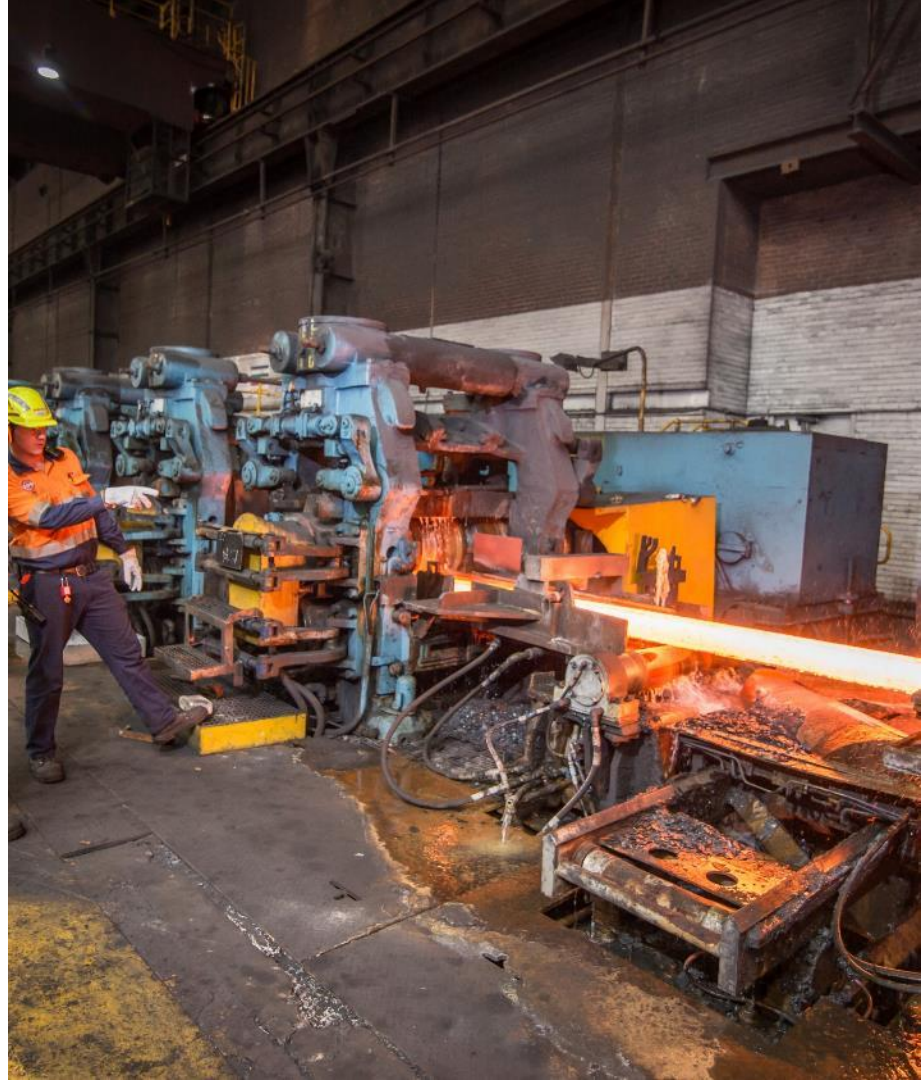


# View the funding briefing session online



It will help you understand the funding offers and get tips for a successful application.

[energysaver.nsw.gov.au/manufacturing](https://energysaver.nsw.gov.au/manufacturing)



**[energysaver.nsw.gov.au/  
manufacturing](https://energysaver.nsw.gov.au/manufacturing)**

**DEADLINE FOR FUNDING  
APPLICATIONS**

**31 JULY 2019**

# Sustainability Advantage

**The Sustainability Advantage program helps organisations increase their competitiveness, resilience and improve their bottom lines through better sustainability practices.**

- Sustainability Advantage is a membership-based program that works with medium to large organisations to help them make real progress towards sustainability.
- The program also supports collaborative innovation projects that address complex sustainability challenges and sustainability leadership development.



# Sustainability Advantage

## Benefits of the program?

01

Assistance from the expert panel of sustainability consultants

02

Dedicated support from team of Sustainability Advantage advisors

03

Invitations to exclusive expert forums and other networking events

04

Access to the Sustainability Advantage Recognition Scheme

05

Opportunities for leadership development and networking

# Sustainability Advantage

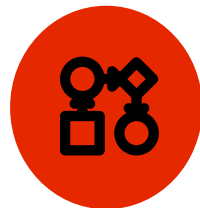
What are our members priorities?



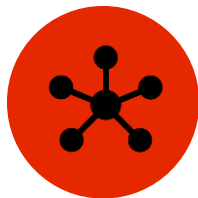
Resource Productivity



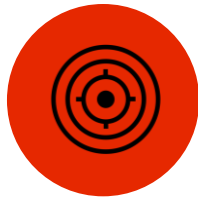
Net Zero Strategies



Circular Economy



Sustainable Procurement



Sustainable Development Goals



Climate Change Adaptation

**[environment.nsw.gov.au/  
sustainabilityadvantage/](https://environment.nsw.gov.au/sustainabilityadvantage/)**