



energy efficiency

CERTIFICATION SCHEME



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The Energy Efficiency Certification Scheme

Professional certification for the individuals that lead and manage **Integrated Building Energy Retrofits** of commercial buildings.

About the Scheme

Comprehensive building retrofits that integrate a range of technologies can deliver substantial energy savings. However this type of retrofit is often complicated, and requires managing the services of a number of technical specialists. This means it is critical to ensure that these projects are lead by individuals with the right expertise.

The Energy Efficiency Certification Scheme recognises individuals that have the knowledge and capability necessary to lead and manage an entire building retrofit. Certification:

- ▶ identifies industry leaders in the delivery of building retrofit projects;
- ▶ provides a clear pathway for aspiring energy efficiency professionals; and,
- ▶ allows commercial building owners and managers to identify industry professionals with the right expertise.

Certification is about driving more focused and integrated projects, that deliver better energy efficiency outcomes for customers.

What is an Integrated Building Energy Retrofit?

Integrated Building Energy Retrofits (IBERs) are energy efficiency retrofits of commercial buildings that:

- ▶ include all stages of an energy efficiency retrofit, from scoping to verification of energy savings;
- ▶ consider all major energy uses within the building;
- ▶ take a comprehensive approach to design, incorporating multiple technologies when appropriate; and,
- ▶ take an integrated approach to implementation, avoiding unnecessary disruption of the building's occupants and systems.

Candidates are assessed against the following ten areas:

- 1 Leading and managing IBERs
- 2 Energy consumption, assessments and analysis
- 3 Measurement and verification of energy savings
- 4 Business case development and project justification
- 5 Client procurement options for IBERs
- 6 Interdependencies between building systems and managing operational impacts
- 7 Energy efficiency and generation technologies
- 8 Commissioning and tuning
- 9 Risk management
- 10 Stakeholder engagement

Certification Levels

Two levels of certification recognise industry professionals with different levels of knowledge and experience.



Certified Energy Efficiency Specialist

Certification as a CEES is available to individuals who have experience working as part of project teams that implement energy efficiency retrofits of commercial buildings.

Certification as a CEES demonstrates:

- ▶ the ability to contribute to effective IBERs as part of a project team, and;
- ▶ the knowledge necessary to lead and manage Integrated Building Energy Retrofits.



Certified Energy Efficiency Leader

Certification as a CEEL is available to seasoned energy efficiency professionals that have more knowledge and experience than a CEES, including direct experience leading all stages of an IBER.

Certification as a CEEL demonstrates:

- ▶ the knowledge, capabilities and practical experience necessary to lead and manage complex Integrated Building Energy Retrofits.

Requirements for certification

Candidates are evaluated by an Assessment Panel of senior professionals from across the industry. Certification is a three step process:

1

Candidates fill out an application that covers qualifications, experience and questions on ten areas of assessment.

2

A Panel member reviews the application form and interviews the candidate.

3

The Assessment Panel signs off on the final determination.

Pre-requisites and certification requirements have been developed by industry professionals with detailed knowledge of commercial building retrofit delivery.

For more information:

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This Scheme recognises professionals that understand how to balance competing project demands to **deliver on energy efficiency outcomes**. It is designed to support the effective delivery of complex retrofit projects, and give building owners and managers confidence that promised energy savings can be achieved.

Caoimhin Ardren
Director, Exergy Australia

For the first time, commercial building owners and managers will be able to **easily identify and appoint independently certified professionals** to successfully manage an entire energy efficiency upgrade project.

Mark Gadd
Managing Director, Autonomous Energy

To deliver improvements to Australia's existing building stock at scale, the industry needs to identify those individuals that have the knowledge and experience to drive energy efficiency outcomes through the entire delivery process. It also needs to support individuals on the pathway to developing these skills. **This scheme will do that.**

Ben Samways
Director, Ecosave

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