

edge environment capability statement

sustainable buildings & greenhouse advisory

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catlysing change with scientific integrity

A research, consultancy
and education business
with a focus on the
building industry and
its related areas. Our staff
are experienced in com-
municating complex sci-
ence to organisations to
bring about change.



edge environment

services

edge environment helps companies understand their environmental and carbon footprint, comply with and exceed regulations and develop a good environmental and greenhouse profile.

edge environment uses a robust life cycle approach complemented by building energy audits (e.g. NABERS) and organisational transport assessments to measure and monitor embodied carbon and operational greenhouse gas emissions. We help you with your obligations under the National Greenhouse and Energy Reporting System (NGERS) requirements.

edge environment staff are accredited and experienced:

- NABERS Office assessors for rating office buildings' energy, greenhouse, water, waste and indoor environment quality performance.
- Green Star Professionals for advisory on your project design and support with Green Star applications to the Green Building Council Australia

greenhouse benchmarking project

Client: NSW Teachers' Federation

edge environment assisted the NSW Teachers' Federation to benchmark their greenhouse footprint and develop a strategy to reduce their environmental impact. edge environment compiled a greenhouse inventory of the organisation, measuring scope 1, 2 and 3 emissions. The performance of the organisation's buildings was assessed using the Australian Building Greenhouse Rating (ABGR) system. A staff transport survey was also carried out.

ANZHERS greenhouse performance module research

Client: Federal Department of the Environment, Water Heritage and the Arts

edge environment is assisting the federal government to develop the greenhouse rating component of the Australian and New Zealand Household Energy Rating Scheme (ANZHERS). The objective of the research is to develop the algorithms and associated databases necessary to allow the ranking of residential buildings in a consistent manner in both Australia and New Zealand. The ranking will consider the environmental impacts of energy demand from hot water, lighting, thermal comfort, refrigeration and other plug loads.

green star advisory

Client: Various

edge environment's Green Star-accredited assessors have provided Green Star advisory services to several retail and office design and project teams as well as government departments.

study: the suitability of sustainability tools as part of a national implementation model

Client: Australian Building Codes Board

The Australian Buildings Codes Board (ABCB) writes the Building Code (BCA) on behalf of the governments of Australia. The BCA is the national building code referenced in all state and territory building legislation. Sustainability is now a goal of the BCA. The BCA already includes energy efficiency as a means of reducing greenhouse gas emissions. The overall objective of this commission was to study the suitability of sustainability tools (including BASIX – NSW) for introduction into a national implementation model and hence into the BCA.

climate change risk and adaptation research

Client: Australian Greenhouse Office and Building Research Inc in New Zealand

With a cross-disciplinary approach, climate change impacts were modeled based on projections for different climate zones. The assessments examined the capacity of Australia and New Zealand's building stock and building practices and products required to maintain current levels of amenity in the face of a changing climate and the scope to consider changes in building practices to adapt to climate change.

sustainability strategy

Client: Northern Territory Government, Department of Planning and Infrastructure (NT DPI)

edge environment assisted NT DPI to develop a building sustainability strategy and resourcing plan. This involved surveys of stakeholders and facilitating workshops.