

mode

URBAN DESIGN
MASTER PLANNING
ARCHITECTURE

LANDSCAPE
GRAPHIC DESIGN
INTERIOR DESIGN

SUSTAINABILITY ACTION PLAN

FEBRUARY 2023



Architects
Declare

6 STAR GREEN STAR RATING - EDUCATION GATEWAYS (EDGY) BUILDING, UNIVERSITY OF SOUTHERN QUEENSLAND

BETTER ENVIRONMENTS THROUGH UNIQUE DESIGN
PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING.



NUDGEE BEACH ENVIRONMENTAL EDUCATION CENTRE LANDSCAPE

MODE declare that we are committed to addressing climate change through the implementation of this **SUSTAINABILITY ACTION PLAN** to minimise the effects on our community, environment and economy.

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A Message from the Principal

We are incredibly pleased to present MODE's inaugural 2023 Sustainability Action Plan (SAP) that builds upon our existing commitment towards the environment into our values, purpose and business strategy.

Our vision for sustainability is to reverse the damage of the past and move towards environmental regenerative design, recognising that the climate and environment are part of our future. This will further enable us to play a role in shaping the ecosystem's future.

MODE has extensive experience in sustainability as part of what we do in our projects, and will continuously advocate for stronger sustainability actions during the design of the projects to ensure we minimise the impact to the environment and leave a positive legacy behind.

We have already made headway with sustainability in our projects, including the Education Gateways (EDGY) Building for the University of Southern Queensland which has a 6 Star Green Star rating, Australian Federal Police Headquarters in Darwin with a 5 Star Green Star rating, Charles Darwin University Trade Training Centre that has been awarded the AIA Sustainable Architecture Award and Palmview State Primary and Special School that has been shortlisted for the 2021 Sustainability Awards (Education and Research category). We have endorsed our Environmental Statement together with our continuing certification of our Environmental Management System (EMS) - ISO 14001:2015.

MODE's SAP will add greater momentum to the work we have already embarked on by formalising and creating a framework for action and implementation of advocacy, collaboration and environmental design principles to reduce the environmental effects on our community, environment and economy and put us on a path of regeneration.

I would like to thank our MODE Green Team committee which has been championing sustainable issues in our practice, particularly Lee Yang Yang that has been spearheading the drafting of this SAP, Jeraldene Robinson for managing our EMS and compliance, the graphics team Troy Matheson and Zoe Wilton and countless others within MODE and our peers, in shaping our values towards sustainability.

Our SAP will inform our staff, clients and delivery partners in how we will mitigate the climate emergency as leaders in design through advocacy, action and examples. As we continue this journey, we see that it is essential we all do more with our responsibility to educate, inspire and act on environmental sustainability.

RHONAN O'BRIEN

MANAGING PRINCIPAL



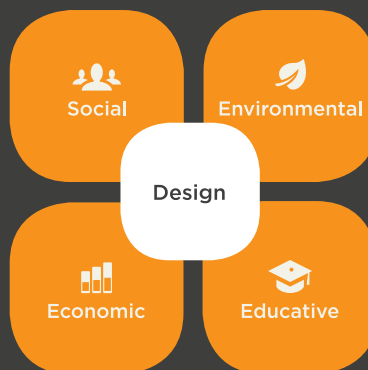
Our Business

MODE is an international design practice with over 100 employees delivering exceptional multidisciplinary outcomes for our partners throughout Australia and New Zealand. Our core business is delivering multidisciplinary design services to include architecture, interior design, landscape architecture and graphic design.



Our vision is to create real value across Social, Environmental, Economic, and Educative metrics.

We are design leaders, delivering local and international perspectives which embody the sensibilities of our Partners and users, while being responsive to environmental, technical, social change and cultural well-being and health. We have urban, suburban and remote projects that range across all sectors of construction and development, and understand the complexity of the modern world and our societies and the need to partner to deliver the exceptional.



At MODE, we are playing our part in building a sustainable future and view our social responsibility as an extension of our purpose 'Better Environments Through Unique Design'.

Leveraging our world of experience and expertise, MODE integrates environmental, social and governance factors into our decision making. Our commitment to building a sustainable future is by taking action in the areas where we can have the greatest impact.

We are committed to protecting the environment and the planet we live on. It is simply not enough to reduce our impact on the environment, we aim to go further and have a positive impact on our environment.

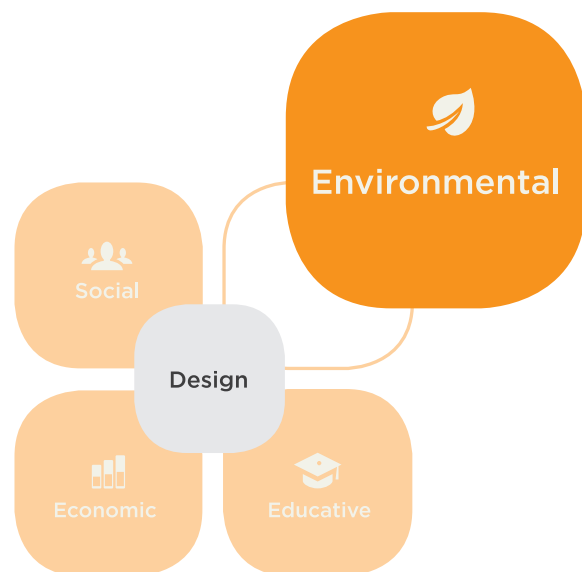
MODE aims for:

- Architecture that is sustainable through passive design and energy efficient, sustainable technologies; responsible specification of renewable materials and construction methods and looks to decelerate climate change and regenerate the environment.
- Architecture with biophilic elements that reinvigorates the human experience through soft and hard landscaping that is attractive, educative and engaging of flora and fauna.

We are also familiar with environmental rating tools such as **GreenStar** and **Built Environment Sustainability Scorecard (BESS)** for Victoria. Many of our staff are accredited **GreenStar Professionals** with the Green Building Council of Australia and we ensure their knowledge is applied to every relevant project. In Victoria for example, we are well versed with the BESS and Sustainability Management Plan which is required for planning permits.

For many projects, MODE incorporates climatically-responsive techniques aimed to withstand harsh weather conditions and enhance user comfort, with emphasis placed on cross ventilation, reduced sun exposure and reducing reliance on secondary cooling where required.

As architects experienced in designing highly sustainable buildings, MODE has delivered the Education Gateways (EDGY) Building which has 6 Star Green Star rating and Charles Darwin University Trade Training Centre that has been awarded the Sustainable Architecture Award. We are well equipped to deliver innovative, sustainable buildings and environmentally friendly designs integrating climate change mitigation. As part of developing our sustainable strategy, we strive to specify renewable or low carbon materials, as well as incorporating active and passive sustainable strategies and technologies such as solar panels, power generation and natural light and ventilation.



PORTFOLIO

Australian Federal Police Headquarters

DARWIN AIRPORT, NT
2011

MODE was commissioned by local builders Sitzler to assist in designing the shell and core of the building to achieve a 5 Star Green Star rating. As such, all aspects of this building were driven to achieve Green Star outcomes within the Green Building Council of Australia, Green Star office design v3 framework.



Nudgee Beach Environmental Education Centre

NUDGEE, QLD
2013

This project sits at the heart of the community where the landscape is central to the educational experience. MODE's landscape architects were engaged for master planning and concept design which included a forecourt designed to represent the ecosystems of the local foreshore, an ephemeral mangrove garden and Aboriginal midden walls.



Education Gateways (EDGY) Building

UNIVERSITY OF SOUTHERN
QUEENSLAND
2015

Awarded a 6 Star Green Star rating and the Excellence in Design award by Ipswich City Council, the building is now the flagship of the University and highlights their commitment to managing their environmental footprint.



PORTFOLIO

Charles Darwin University Trade Training Centre

CHARLES DARWIN UNIVERSITY
2016

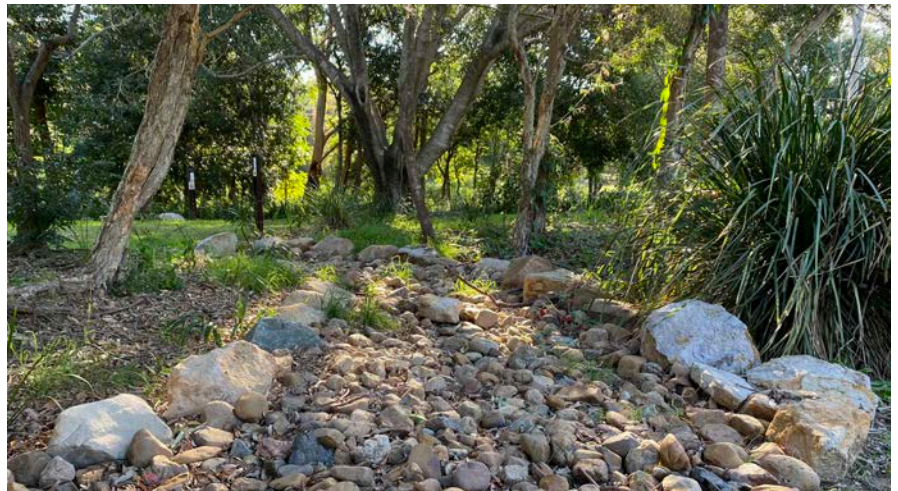
Awarded the Australian Institute of Architects (NT) Sustainable Architecture Award, this building incorporates natural ventilation and is orientated to take full advantage of the sea breeze thereby reducing energy costs. The facility delivers vocational, educational and training courses to students from across the Northern Territory in electro-technology, refrigeration, instrumentation and plumbing disciplines.



Davidson Street Creek Restoration

HEALTHY LAND AND WATER,
BRISBANE QLD
2017

Awarded the 2019 Stormwater Queensland Award for Excellence - Policy and Education, the aim of the project is to rehabilitate and restore the riparian zone of selected parts of Breakfast Creek and improve the community's education of the Enoggera Creek Catchment area. Stormwater mining was incorporated as an additional rehabilitation tool with opportunities for education.



Palmview State Primary and Special School

DEPARTMENT OF EDUCATION
QUEENSLAND
2021

Shortlisted for the 2021 Sustainability, Education and Research Award, this building has been designed to optimize key sustainability principles throughout using north orientation, shading, insulation and window placement. Natural ventilation was achieved with multi-level operable windows and louvres with minimal reliance on air conditioning. A 100kW solar system was also installed.



SUSTAINABILITY ACTION PLAN

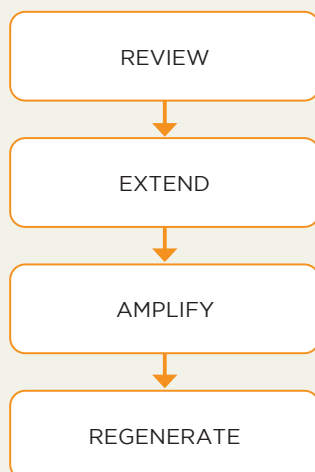
MODE will incorporate the framework and approaches introduced by the Architects Declare movement into our Sustainability Action Plan.

SAP Framework



The Framework for Progress defines our level of progress through a process of formalised annual reviews, which would develop the SAP to Regenerative Action Plan.

Framework for Progress



Our Commitment

As signatories to Australian Architects Declare, we have committed to:

- **RAISE AWARENESS** of the climate and biodiversity emergencies and the urgent need for action amongst our clients and supply chains;
- **ADVOCATE** for faster change in our industry towards regenerative design practices and a higher Governmental funding priority to support this;
- **ESTABLISH** climate and biodiversity mitigation principles as the key measure of our industry's success demonstrated through awards, prizes and listings;
- **SHARE** knowledge and research on an open source basis;
- **CONSIDER** all new projects against the aspiration to contribute positively to mitigating climate breakdown and encourage our clients to adopt this approach;
- **UPGRADE** existing buildings for extended use as a more carbon efficient alternative to demolition and new build whenever there is a viable choice;
- **ENCOURAGE** life cycle costing, whole life carbon modelling and post occupancy evaluation as part of our basic scope of work to reduce both embodied and operational resource use;
- **ADOPT MORE REGENERATIVE DESIGN PRINCIPLES** in our studios with the aim of designing architecture and urbanism that goes beyond the standard of net zero carbon in use;
- **COLLABORATE** with engineers, contractors and clients to further reduce construction waste;
- **ACCELERATE THE SHIFT** to low embodied carbon materials in all our work; and
- **MINIMISE** wasteful use of resources in architecture and urban planning, both in quantum and in detail.

In our SAP, we have penned down our actions and deliverables according to the commitments above and our progress towards this will be periodically evaluated through the Green Team committee.



The EMS Team

Our SAP builds upon our existing Environmental Management System (EMS) that has been certified for ISO 14001 - Environment. This sets out a framework to identify impacts on the environment, define controls to minimise environmental impacts, prevent and reduce pollution and ensure compliance with legal requirements.

Throughout the practice, the EMS includes compliance actions such as recycling and waste, printing and photocopying, cleaning, energy use, water conservation, travel as well as education and continued development.

The Green Team

MODE has an established Green Team committee that meets periodically to discuss overall practice environmental strategy and initiatives, maintains compliance to EMS as well as providing opportunities to educate and train in areas of sustainability. The Green Team committee structure under the guidance of our Principals is headed by the Committee Chairperson and composed of Green Team representatives from each studio to ensure regional differences are represented.

The Green Team periodically publishes internal memos of GreenMODE to remind and educate staff of environmental matters and actions.

The Green Team has also developed an Environmentally Sustainable Design (ESD) Initiatives Checklist that can be used to introduce and evaluate proactive sustainable initiatives for relevant projects.

The Green Team committee will now play a pivotal role in the continuing development and carrying out of our SAP, with Green Team representatives leading the implementation of actions and deliverables within their respective studio. The representatives will also keep the committee up to date, comment and put forward ideas for further development of SAP at quarterly meetings.

MODE has also adopted Environmental Design Principles to encourage environmental design practices throughout the design process.





Environment Management Systems

Certificate of Registration

Mode Design Corp Pty Ltd

Plaza Level, Mosaic Building, 826 Ann Street, Fortitude Valley Qld 4006

Suite 2, No.9 Capital Place, Birtinya Qld 4575

Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010

T213, Level 2, The Avenue, 12 Salonika Street, Parap NT 0820

Suite 1/142 Bundall Road, Bundall Qld 4217

Level 4, 31 King Street, Melbourne Vic 3000

Level 2, 56 William Street, Perth WA 6000

Level 3A 23-25 Falcon Street, Parnell AKL 1052, New Zealand

In recognition of the implementation of a management system conforming to

ISO 14001:2015

The Scope of Certification covers the following activities:

Architecture, Interior Design, Graphic Design and Landscape Architecture Design and Documentation Services

Certificate No.	Date of Issue	Certification Date	Expiry Date
5717	29 March 2021	29 March 2021	28 March 2024

Alain Etchegaray
GENERAL MANAGER

Signed for and on behalf of
Sci Qual International Pty Ltd



Suite 19, Building D, "The Lakes Centre", 8-22 King Street, Caboolture QLD 4510

The certificate of Registration, which remains the property of Sci Qual International Pty Ltd, is granted subject to the Regulations governing the certification scheme operated by Sci Qual International Pty Ltd and in respect of goods or services described in the schedule hereto, bearing the same number as this certificate.

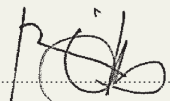
Environmental Statement

ENVIRONMENTAL MANAGEMENT SYSTEMS

MODE DESIGN Corp. Pty Ltd is committed to complying with the requirements of ISO 14001:2015 and continually improving the effectiveness of our Environmental Management System to enhance environmental performance.

Within the context of our business and our work, we are committed to protecting the environment, preventing pollution, and fulfilling applicable compliance obligations. Our aim is to improve our future and reduce our negative influence on the environment by monitoring our own activities and the amount of energy, waste and environmental impact that these create.

We also endeavour to reduce the impact of our designs on energy use, waste and environmental stress caused during the lifespan of the design. We are committed to supporting all employees in MODE DESIGN Corp. Pty Ltd to expand and implement their understanding and knowledge of Environmentally Sustainable Design measures.



Rhonan O'Brien
Managing Principal



Peter Bertram
Principal

FEBRUARY 2023

MODE DESIGN Corp. Pty Ltd, trading as MODE.
ABN 65 112 807 931. ACN 112 807 931.

SUSTAINABLE PRACTICES

Environmental Control Manual

MODE's Environmental Control Manual has been drafted and implemented to ensure that the organisations environmental aspects are identified, controlled, monitored and communicated as part of our EMS.

This includes four aspects from air quality, water quality and land contamination, flora and fauna and waste generation against three operational processes: design practices, office/studio activities and travel activities.

EMS Studio Checklist

As part of our MODE Green Team initiative and in alignment with our EMS, we have an internal EMS Studio Checklist to monitor and improve our office processes through practices such as recycling and waste, printing and photocopying, cleaning, energy use, water conservation and travel as well as education and continued development.

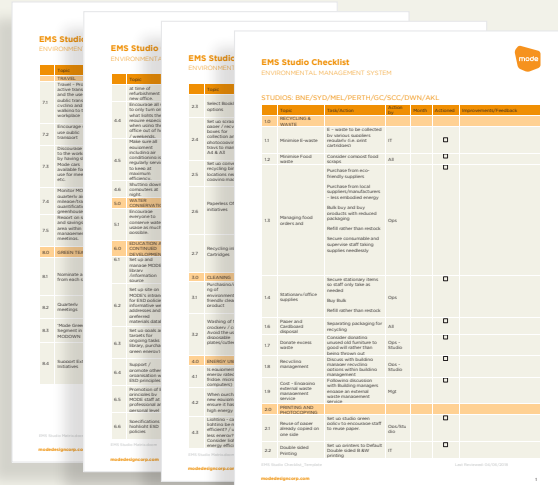
ESD Initiatives Checklist

The MODE Green Team have also developed an ESD Initiatives Checklist that can be used to introduce and evaluate proactive sustainable initiatives for relevant projects.

EMS MANUAL



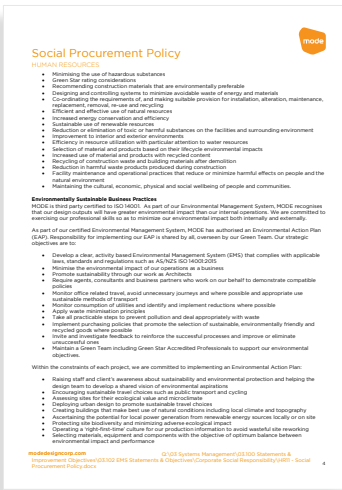
EMS STUDIO CHECKLIST



We also have our own internal list of Green Building Suppliers that we use to select sustainable materials for projects based on GreenTag, FSC and other environmental certifications.

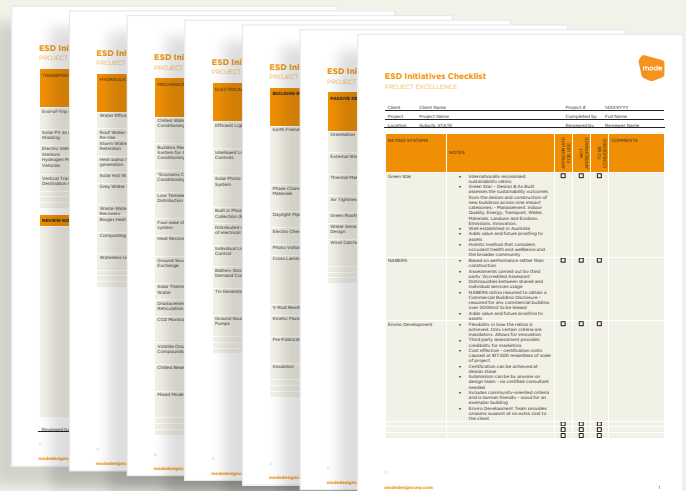
Other MODE initiatives include the GreenChair Reuse and Repurpose Program with Bateup Consulting that has recycled 344 pieces of furniture from the redevelopment of St John Osborne Park, saving 8,052 kg of material waste, 28.6 tonnes of CO2 emission and supporting 15 not-for-profit and charity organisations such as YMCA.

MODE has also adopted Environmental Design Principles to encourage environmental design practices throughout the design process.



Understanding that environmental design practices affect social outcomes, our environmental sustainable design practices and implementation of climate change policy objectives are implemented into our MODE Social Procurement Policy.

ESD INITIATIVES CHECKLIST



ENVIRONMENTAL DESIGN PRINCIPLES

MODE embraces environmental design practices which promote sustainability, conservation, minimal waste, efficient use of water and other natural resources.

ECOSYSTEMS

- Encourage resilient natural ecological communities and protect natural connectivity.
- Maintain and enhance viable habitat size to improve connectivity and reduce fragmentation.
- Encourage maintenance of native vegetation and rehabilitation of degraded ecosystems.
- Encourage protection of native animal habitats and the rehabilitation of degraded ecosystems.
- Encourage protection and rehabilitation of riparian vegetation and wetlands.
- Avoid water pollution and degradation of water quality in waterways and natural systems and remediate any water quality problems occurring on-site.
- Minimise disruption to landform and natural ecosystems.
- Encourage development on previously developed or degraded sites, in preference to green field sites.
- Promote biodiversity and sustainability.

COMMUNITY

- Consult with surrounding community, user groups and other stakeholders.
- Encourage community cohesiveness and interactions through the provision of facilities that enhance and support community social capital infrastructure and networks.
- Encourage use of public transport, walking and cycling.
- Support accessible local employment, education and service to encourage a cohesive community and reduce the need for regular travel beyond the local area.
- Encourage safe, accessible, comfortable communities within the built environment.
- Protect heritage.
- Maintain and enhance community asset.

MATERIALS

- Encourage selection of materials from environmentally responsible sources such as:
 - Reuse existing facilities, resources and infrastructure.
 - Use recycled resources.
 - Renewable sources.
 - Non-pollutant sources.
 - Low lifecycle energy.
 - Materials that are low emission and do not emit toxic gases or dangerous particles.
- Encourage high indoor air quality through choice of materials.
- Maintain design and performance standards.
- Encourage use of materials that can be recycled or reused at the end of the developments life cycle.
- Maintain affordability within reasonable parameters.

ENERGY

- Reduced energy usage through design.
- Demand and behavioural management devices and programs.
- Use of alternative energy sources (e.g. solar, wind, biomass, gas, and hydro) for a portion of the development's energy use.
- Use of more greenhouse gas efficient appliances and fixtures.

WATER

- Reduce potable water use through water efficiency mechanisms.
- Utilise alternative water sources (e.g. rainwater, storm water dual reticulation) to meet irrigation demand or use drought tolerant species which require no establishment period.
- Control and remediate water quality of storm water being discharged from the site.

WASTE

- Encourage recycling of construction and demolition materials and reduce the amount of waste sent to landfill.
- Minimise on-site pollution during the construction phase.
- Promote the re-use of existing buildings and materials and reduce demand from resources.
- Promote occupancy awareness of waste generation and encourage recycling, composting and waste re-education through the provision of appropriate facilities.
- More efficient use of resources.

FRAMEWORK FOR ACTION

Building on our existing practice and EMS, our Framework For Action supports the Architects Declare commitments and lays out actions and deliverables to be implemented and reviewed annually.

COMMITMENTS	ACTIONS	RESPONSIBILITY
RAISE AWARENESS of the climate and biodiversity emergencies and the urgent need for action amongst our clients and supply chains.	Increase awareness within the organisation.	Green Team
	Increase awareness with our clients, consultants and suppliers and encourage the conversation from the outset.	Project Architects
ADVOCATE for faster change in our industry towards regenerative design practices and a higher Governmental funding priority to support this.	Organisation to lead and commit on carbon targets.	Principals
	Advocate within industry and government towards sustainable and regenerative design.	Principals, Directors and Studio Managers
	Advocate within organisation to adopt declaration towards regenerative design.	Green Team
	Advocate clients, consultants and suppliers for change and actions towards sustainable and regenerative design.	Project Architects
	Advocate amongst external peers, personal network and government representatives for change towards sustainable and regenerative design.	Everyone
ESTABLISH climate and biodiversity MITIGATION PRINCIPLES as the key measure of our industry's success, demonstrated through awards, prizes and listings.	Champion and demonstrate MODE's highly sustainable projects as desirable within industry.	Principals, Directors and Studio Managers
	Maintain compliance and continuously develop MODE's Environmental Design Principles towards regenerative principles.	Green Team
	Advocate for clients to establish sustainable principles and ratings as key measure of building's success.	Project Architects
	Question every project internally and externally against sustainability criteria.	Everyone
SHARE knowledge and research on an open source basis.	Champion and advocate knowledge and research sharing of environmental design practices across different industries and government.	Principals
	Publish and share knowledge and research periodically within the organisation.	Green Team
	Encourage and reward knowledge and research sharing of environmental design practices amongst peers.	Green Team
	Share learned knowledge and research of environmental design practices across clients, consultants and staff.	Project Architects
	Share learned knowledge and research of environmental design practices upwards and amongst peers and encourage questions.	Everyone

COMMITMENTS	ACTIONS	RESPONSIBILITY
<p>CONSIDER all new projects against the aspiration to contribute positively to MITIGATING CLIMATE BREAKDOWN, and encourage our clients to adopt this approach.</p>	Prepare and continuously improve standard evaluation criteria to measure against all new projects to contribute positively to mitigate climate breakdown.	Green Team
	Encourage clients to evaluate new projects against the aspiration to contribute positively to mitigating climate breakdown.	Project Architects
	Question projects internally against sustainable criterias and give feedback to improve sustainable criterias.	Everyone
<p>UPGRADE existing buildings for extended use as a more carbon efficient alternative to demolition and new build whenever there is a viable choice.</p>	Champion projects of adaptive reuse and upgrade of existing buildings as a more carbon efficient alternative to demolition and new build.	Green Team
	Question clients prior to the start of the project whether appropriate to upgrade existing buildings for extended use.	Project Architects
	Rethink demolition scope and whether upgrading existing space is more efficient than new scope of works.	Everyone
<p>ENCOURAGE life cycle costing, whole life carbon modelling and post occupancy evaluation as part of our basic scope of work to reduce both embodied and operational resource use.</p>	Encourage staff to train for life cycle costing and whole life carbon modelling certification.	Principals
	Encourage staff to adopt and train for life cycle costing and whole life carbon modelling and post occupancy evaluation.	Green Team
	Encourage clients to include life cycle costing, whole life carbon modelling and post occupancy evaluation as part of scope of work.	Project Architects
	Be proactive to ask, train and adopt life cycle costing, whole life carbon modelling and post occupancy evaluation.	Everyone
<p>ADOPT MORE REGENERATIVE DESIGN PRINCIPLES in our studios, with the aim of designing architecture and urbanism that goes beyond the standard of net zero carbon in use.</p>	Champion, adopt and integrate regenerative design principles as part of studio practice that goes beyond standard of net zero carbon.	Principals
	Brainstorm ideas, educate and continuously improve framework of regenerative design principles and encourage studio to adopt these principles.	Green Team
	Ask clients at the start of their projects and work with consultants in response to regenerative design principles with the aim of going beyond standard net zero carbon in use.	Project Architects
	Be proactive, stay informed and implement regenerative design principles within projects and provide constructive feedback to improve implementation.	Everyone

COMMITMENTS	ACTIONS	RESPONSIBILITY
COLLABORATE with engineers, contractors and clients to further reduce construction waste.	Share and champion efforts of collaboration with engineers, contractors and clients in reduction of construction waste.	Green Team
	Proactively collaborate and encourage suppliers, engineers, contractors and clients in steps to further reduce construction waste.	Project Architects
	Question construction waste during project stages and suggest ways and steps to reduce construction waste.	Everyone
ACCELERATE THE SHIFT to low embodied carbon materials in all our work.	Champion low embodied carbon materials in construction across industry and government.	Principals
	Educate staff within organisation by providing alternatives for low embodied carbon materials in all of our work.	Green Team
	Encourage suppliers, clients, engineers and contractors to shift to low embodied carbon materials in all our work.	Project Architects
	Proactively stay informed and promote amongst peers, low embodied carbon materials in construction.	Everyone
MINIMISE wasteful use of resources in architecture and urban planning, both in quantum and in detail.	Champion sustainable design practices across industry and government that minimise wasteful use of resources in architecture and urban planning.	Principals
	Educate staff periodically regarding possible steps to minimise wasteful use of resources in architectural design and urban planning.	Green Team
	Encourage design options that minimise wasteful use of resources in architecture and urban planning, both in quantum and in detail.	Project Architects
	Question projects internally and externally regarding wasteful use of resources in architecture and urban planning, both in quantum and in detail.	Everyone



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