

Sustainability Action Plan

November 1, 2024

Kyriacou



**Kyriacou Architects wish to acknowledge the
Traditional Owners of the lands where our office
and projects stand.
We pay our respects to their Elders past,
present and emerging.**

Our Responsibility

At Kyriacou Architects, we are committed to the continuous journey of improving our impact on the planet both in house and in our designs.

The construction industry is responsible for 40% of the worlds carbon emissions.

As designers, it is our responsibility to educate our clients and foster innovative ideas for more sustainable design.

Sustainability Action Plan

At Kyriacou Architects, we have set out our sustainability targets in a Sustainability Action Plan, covering 5 main topics.

1



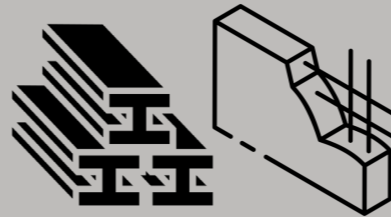
Carbon Neutrality in
the Office

2



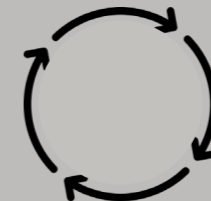
Design Sustainability
Reviews

3



Material Review for
Embodied Carbon

4



Monitoring and
Continuous
Improvement

5



Education

1. Office Carbon Neutrality

Measures undertaken by Kyriacou in 2024 to reduce our Carbon Footprint:

- Moved to 100% renewable energy.
- 82% of our staff commute to work via public transport/ bicycle.
- Swapped all paper sources to be 100% carbon neutral.
- Initiated for all glass and plastic containers to be collected separately from our general recycling.
- Soft plastic are now collected and recycled.
- Coffee ground are removed from our office and delivered to local gardeners and communities.
- Reduced our general waste by 50%.



1. Office Carbon Neutrality

Next Steps...

- ISO14001 EMS Accreditation.
- Conduct a baseline assessment of the office's carbon footprint
- Become a certified carbon neutral office.
- Continue to encourage sustainable transportation options for employees.
- Monitor and improve overall carbon footprint continually.
- Educate our team regularly on office sustainable measures and updates.



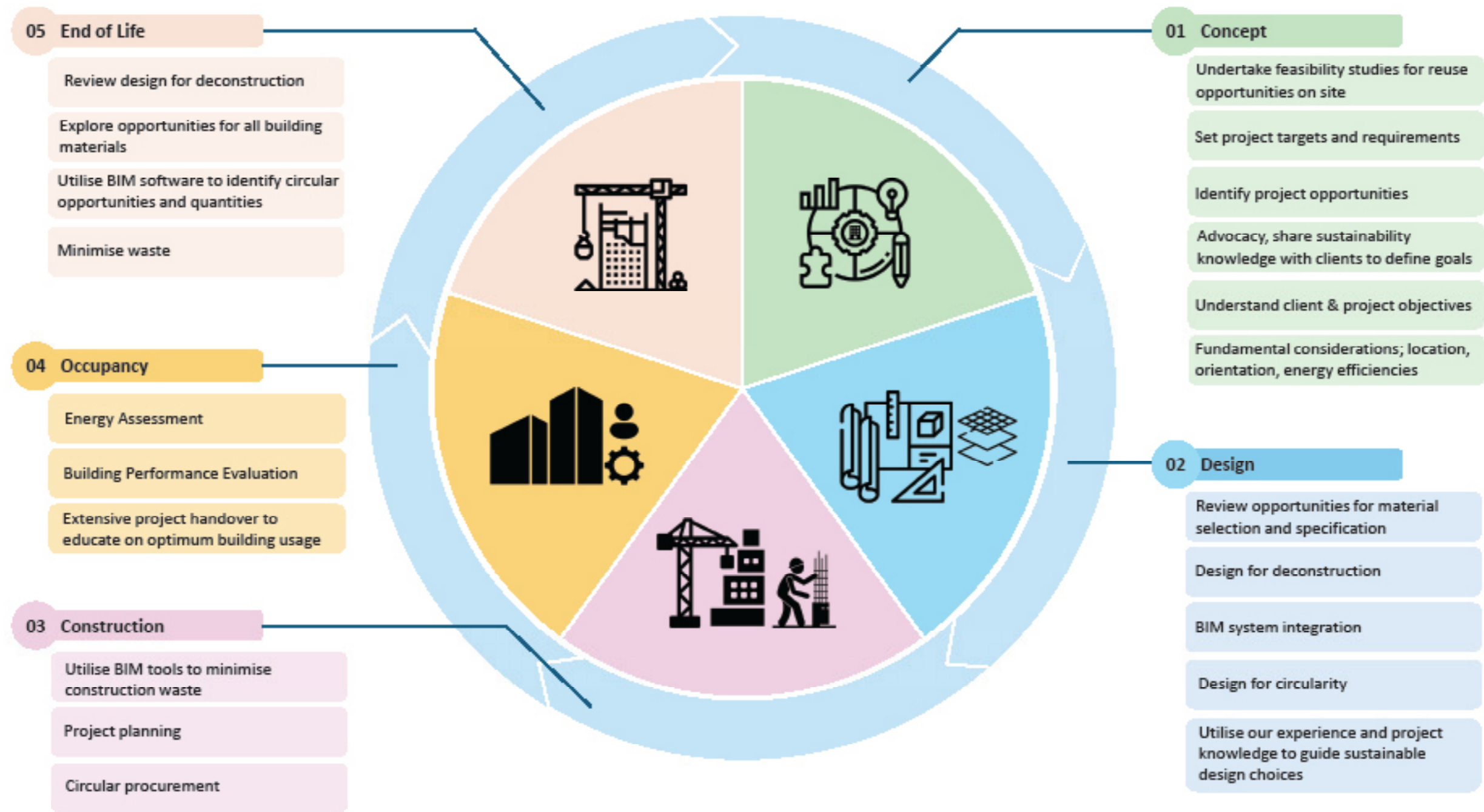
2. Sustainability Design Reviews

Kyriacou commits the following to all of our designs:

- Integrate sustainability considerations into every stage of the design process, from conceptualisation to construction documentation.
- Conduct a sustainability assessment for each project, considering factors such as site selection, orientation, passive design strategies, energy efficiency, water conservation.
- Collaborate closely at an early stage with clients, consultants, and stakeholders to prioritise sustainability goals and incorporate feedback throughout the design process.
- Incorporate passive design strategies where possible into architectural designs to minimize the need for artificial heating and cooling.
- Provide clients with options for achieving green building certifications such as Green Star and support them in pursuing certification where feasible.
- Ensure the full life cycle of our building is taken into consideration during all design stages to ensure minimum impact on the planet.



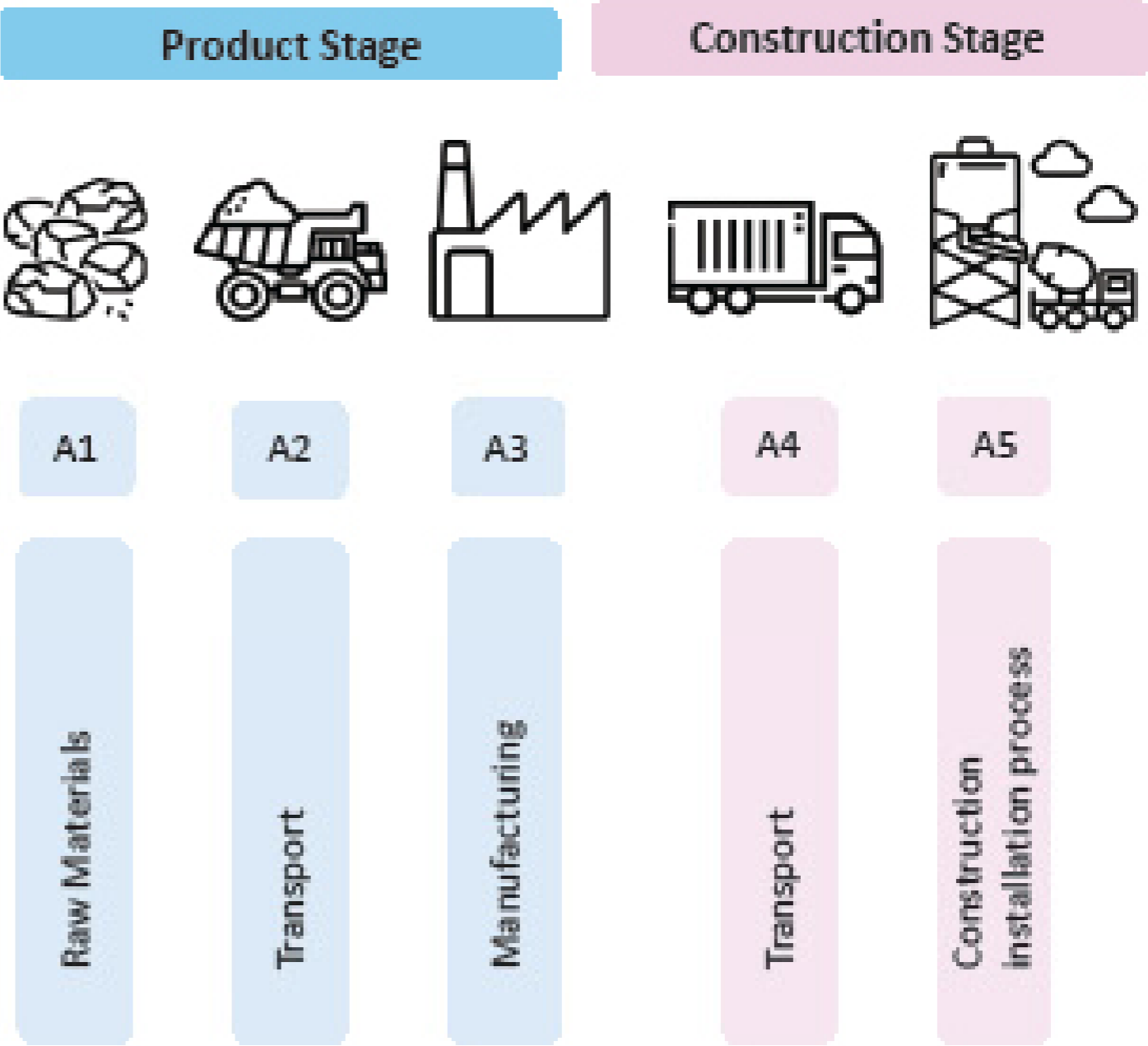
2. Sustainability Design Reviews



3. Material Review for Embodied Carbon

Embodied carbon is responsible for 50-70% of carbon in the life-cycle of a building. Kyriacou are dedicated to reducing the amount of embodied carbon with our material selection by:

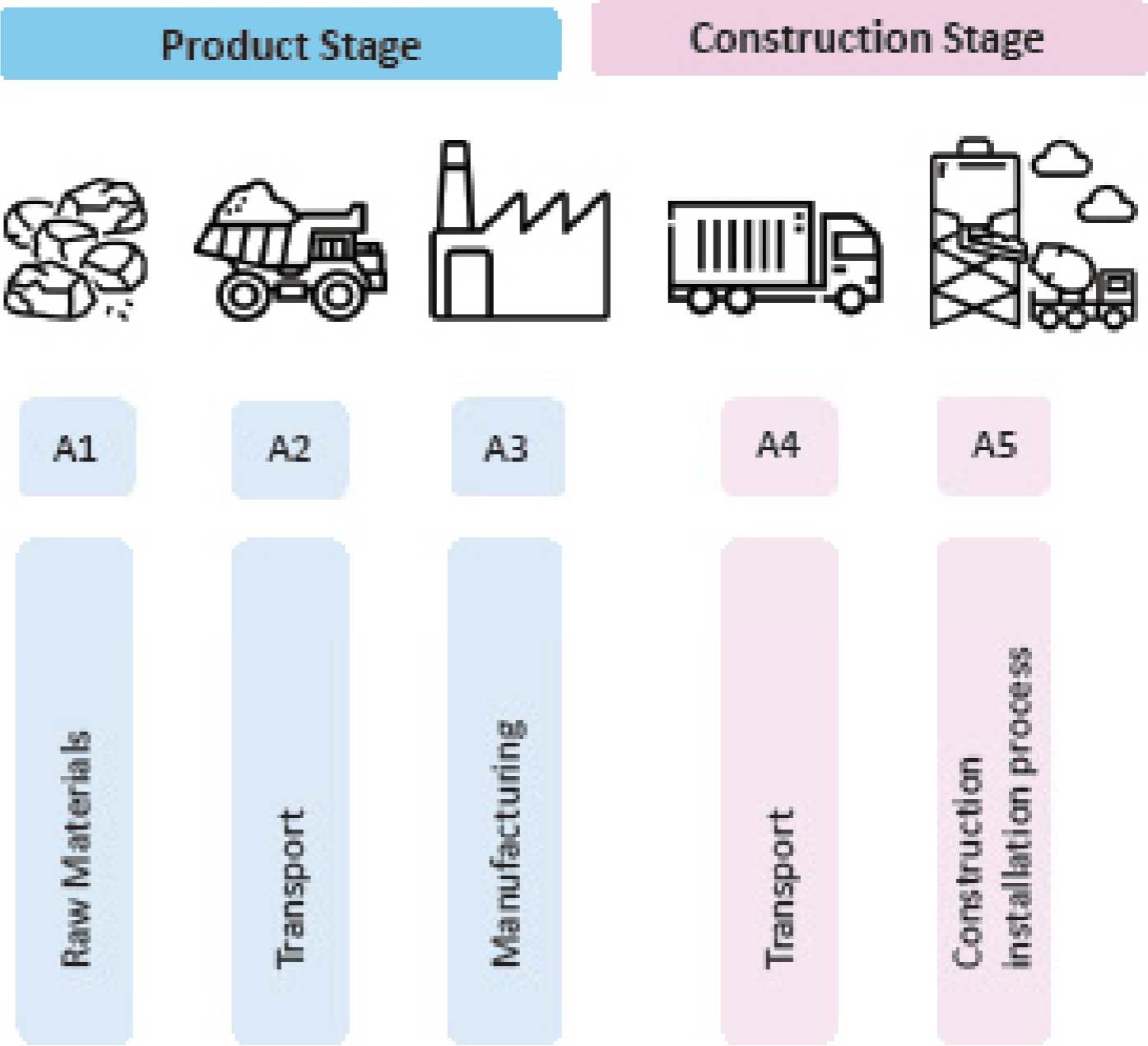
- Review and analyse life cycle assessment (LCA) of building materials to quantify their embodied carbon emissions.
- Prioritize the use of low-carbon and carbon-negative materials such as reclaimed wood, sustainable timber, recycled steel, bamboo, and low-embodied carbon concrete alternatives.
- Source materials locally to reduce transportation emissions and support regional economies.
- Specify materials with third-party environmental certifications such as Environmental Product Declarations (EPDs) or Cradle to Cradle certification.



3. Material Review for Embodied Carbon

Embodied carbon is responsible for 50-70% of carbon in the life-cycle of a building. Kyriacou are dedicated to reducing the amount of embodied carbon within our material selection by:

- Explore innovative materials and construction methods that minimize embodied carbon, such as prefabrication, modular construction, and mass timber.
- Educate clients and project teams on the importance of embodied carbon reduction and the benefits of sustainable material choices
- Create an in-house embodied carbon materials schedule in order to compare standard products such as aluminum with more sustainable materials. Integrate embodied carbon information into BIM in order to efficiently calculate embodied carbon within our design and track opportunities to reduce.



4. Monitoring and Continuous Improvement

As Kyriacou continues to reduce the footprint we leave on the planet we are dedicated to continuously reviewing and improving our sustainability initiatives:

- We have established a monitoring and reporting system to track progress towards sustainability goals, including carbon emissions, energy consumption, water usage, waste generation, and material choices.
- Regularly review and update our sustainability action plan based on performance data, emerging best practices, and stakeholder feedback.
- Engaging with industry partners, government agencies, and professional associations to stay informed about trends and developments in sustainable design and construction.
- We celebrate achievements and milestones with employees, clients, and the wider community to inspire further action and promote transparency.
- Fostering a culture of innovation and collaboration within the company, encouraging employees to contribute ideas and solutions to advance sustainability goals.
- By implementing our sustainability action plan, Kyriacou are demonstrating our commitment to environmental stewardship, reduce our carbon footprint, and leading the way towards a more sustainable built environment in Australia.



5. Education

We believe education is key to our continuous improvement of sustainability initiatives. At Kyriacou we are committed to providing education for sustainability for the whole team:

- Kyriacou have two in house Green Star Accredited Professionals who can guide you through Green Star goals projects.
- Education of sustainability leaders within Kyriacou is vital to achieve sustainability goals at Kyriacou.
- We hold regular Friday afternoon sustainability sessions for all team members to feedback the continual education our sustainability leaders are involved in.

