Minoro:

Accelerating the decarbonisation of buildings

August 27th 2024 | CIBSE ANZ Seminar Series | The Need for Speed

David Ritter,
Australia & New Zealand Sustainability Lead, Grimshaw

GRIMSHAW

Agenda

1. Introduction to Grimshaw
2. Minoro: How to use the platform
3. Benefits of Minoro
4. Integrative Design Process
5. Q&A

Introduction

Grimshaw

A global practice

8
Global studios

600+
Total global staff

43
Years in business

250+
Awards for our work

WORLD CLASS PROJECTS

International Terminal Waterloo
London, United Kingdom

Eden Project
Cornwall, United Kingdom

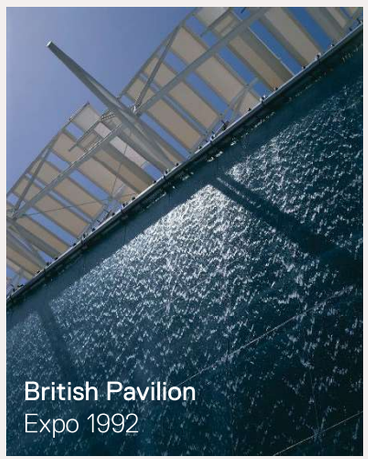
Pulkovo Airport
St Petersburg, Russia

Fulton Center
New York City, NY, USA

Southern Cross Station
Melbourne, Australia

Thermae Bath Spa
Bath, United Kingdom

SUSTAINABILITY IS CENTRAL TO OUR DESIGNS



Addressing the emergency

Our commitments

Architects Declare
Climate and Biodiversity
Emergency

ARCHITECTS!
CLIMATE
ACTION
NETWORK

CLIMATE GROUP
CONCRETE
ZERO

ADVANCING
NET ZERO

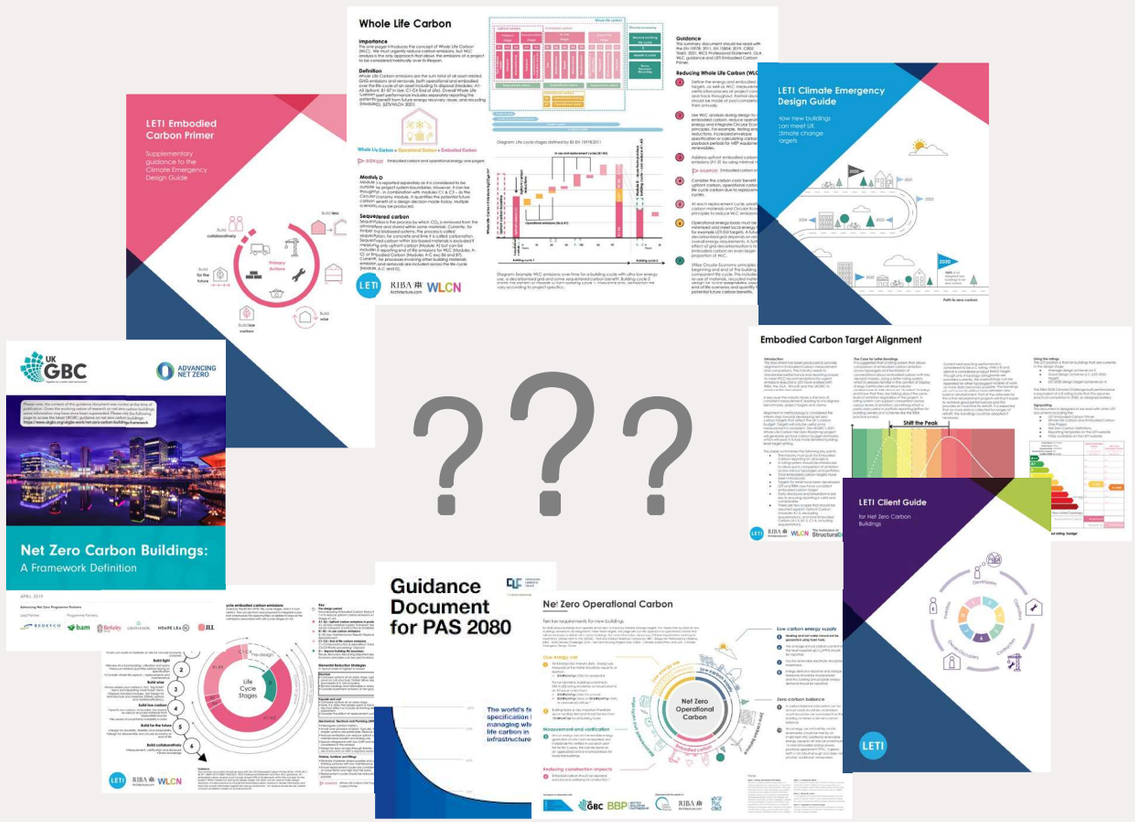
SCIENCE
BASED
TARGETS

Responsible™
Steel | standards & certification

Minoro: how to use the platform

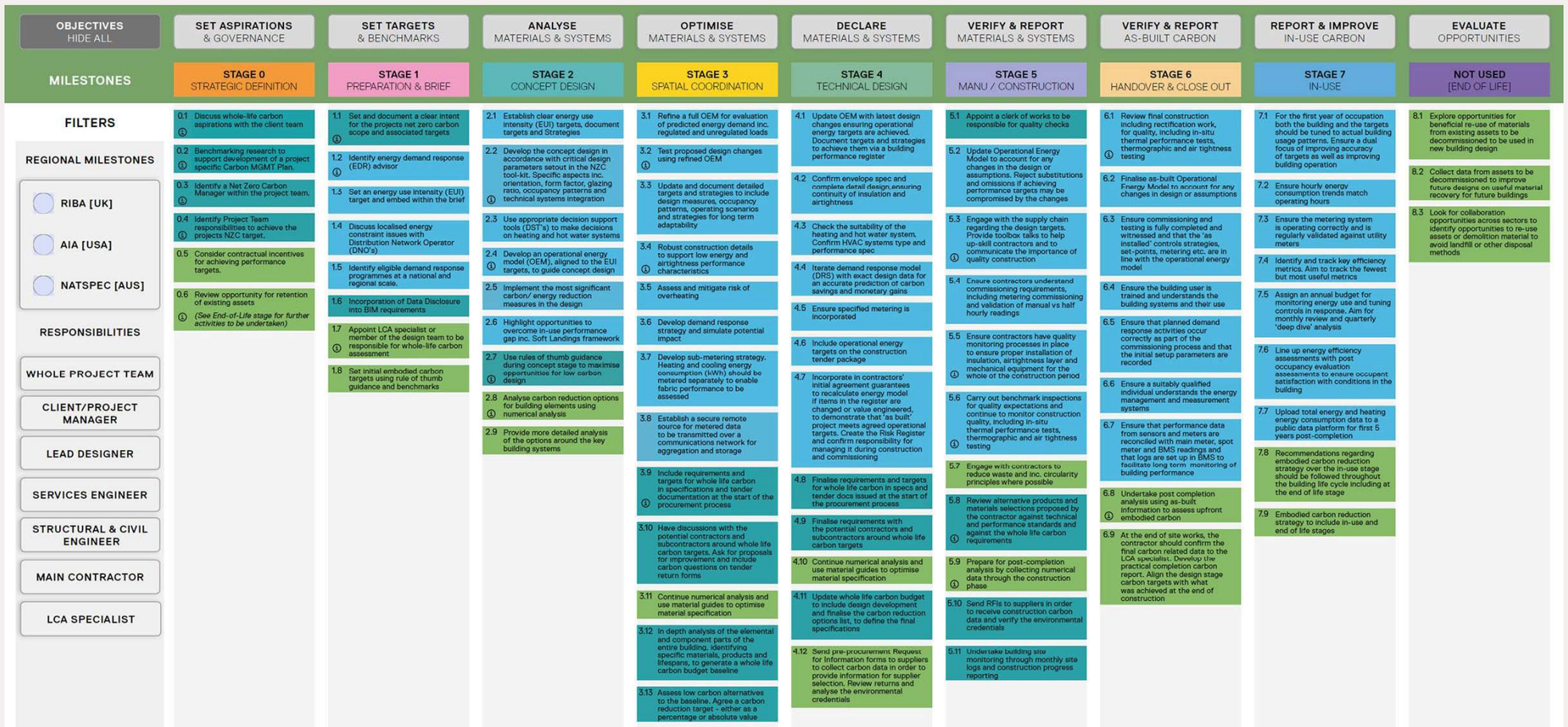
Whole life net zero carbon

Where do you start?



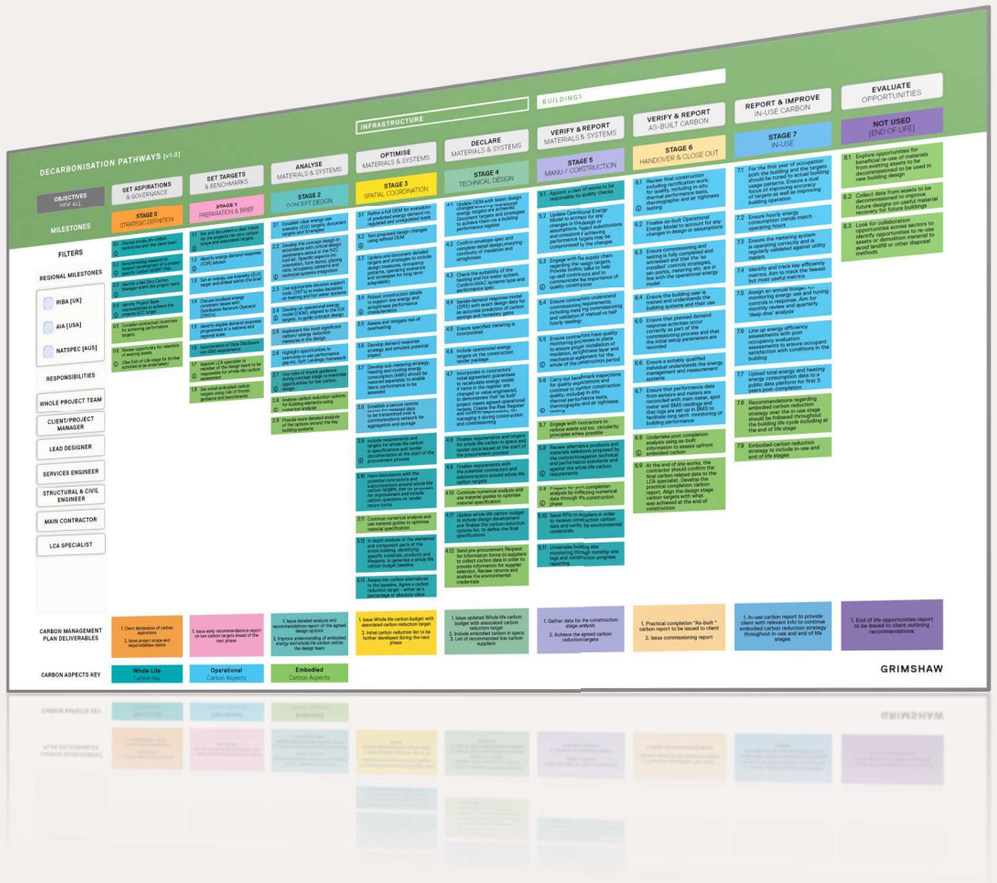
Whole life net zero carbon

Decarbonization pathways



Whole life net zero carbon

Decarbonization pathways

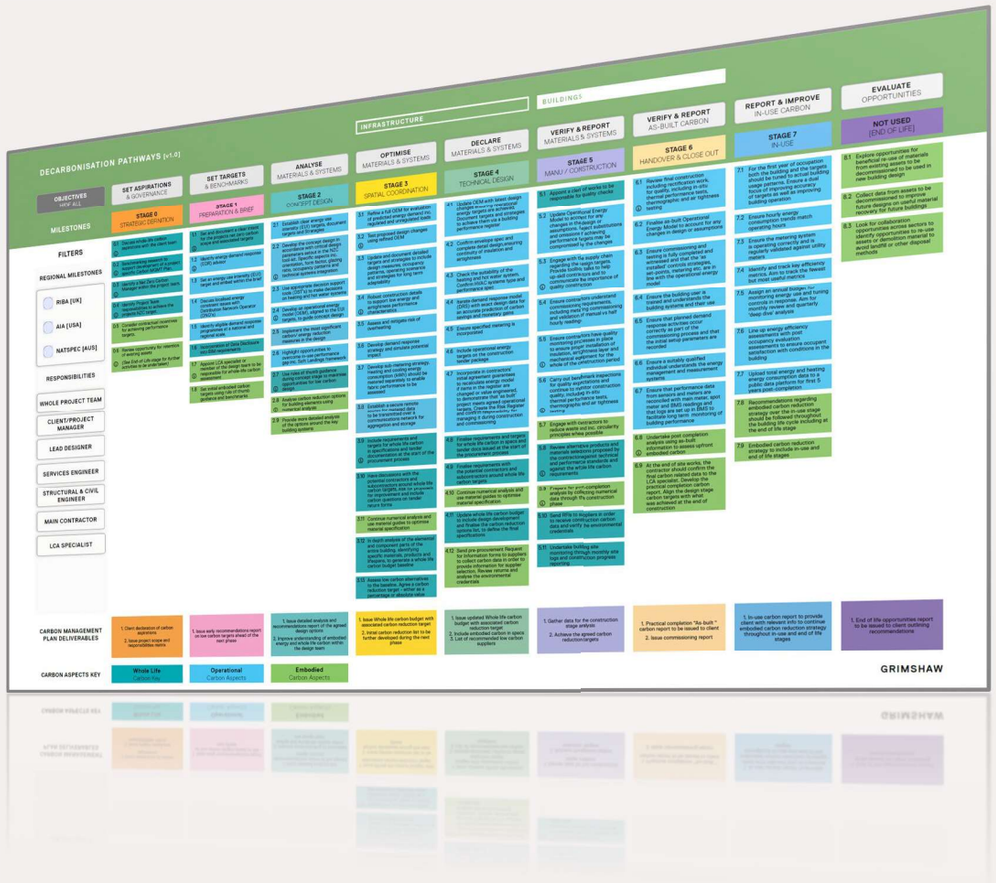


For each action outlined in the pathway guidance is provided on:

1. **What** needs to be done
2. **Who** is responsible
3. **How** to go about it

Whole life net zero carbon

Decarbonization pathways: carbon management activities



1. Establish scope & governance

2. Set carbon benchmarks & targets

3. Operational energy optimisation

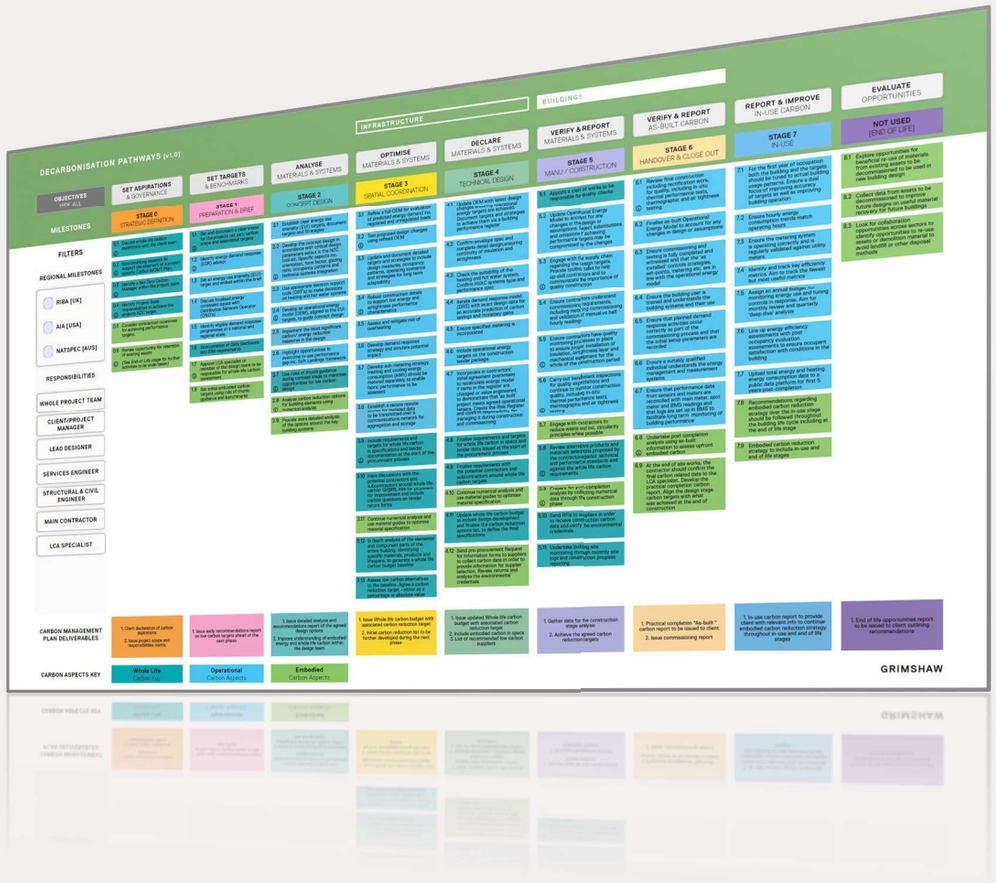
4. Embodied carbon optimisation

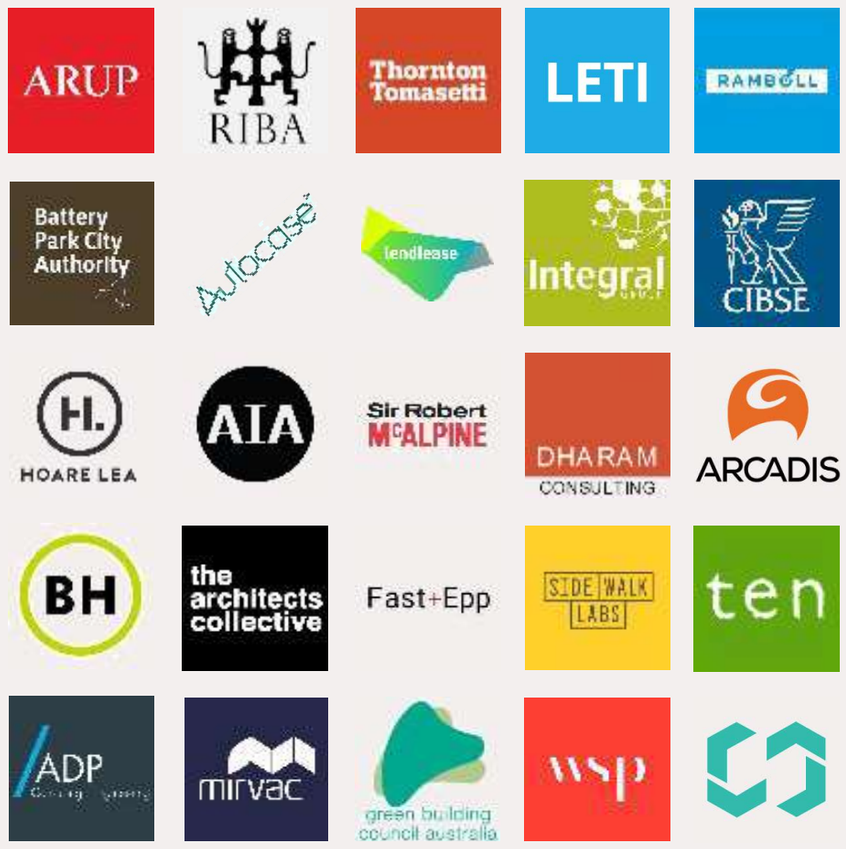
5. Assessment & reporting

6. Commissioning & validation

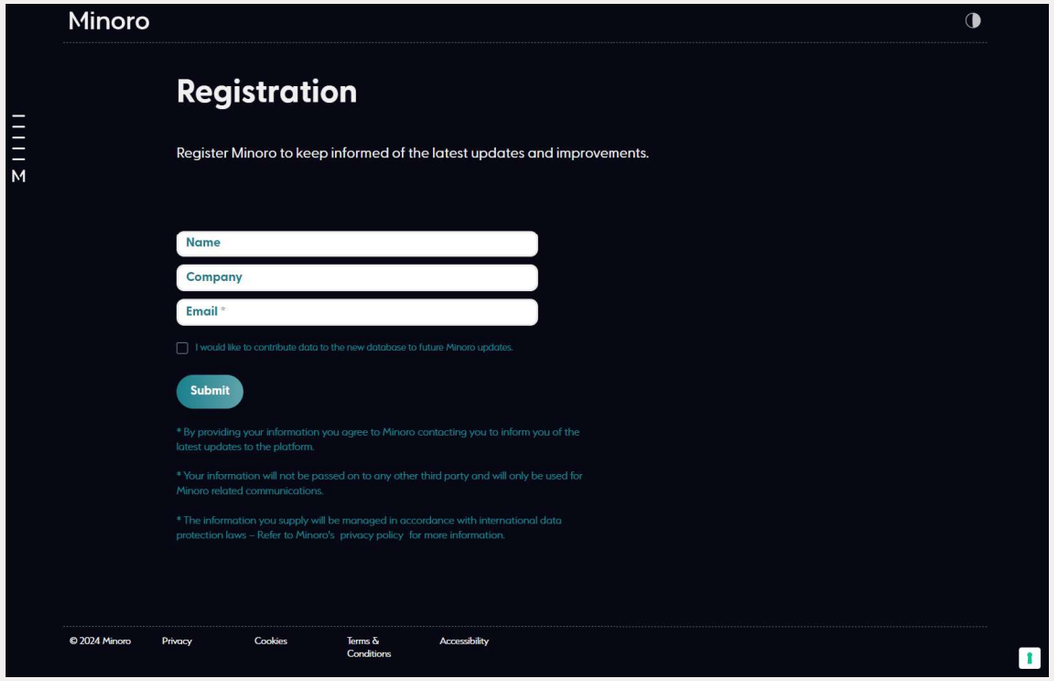
Whole life net zero carbon

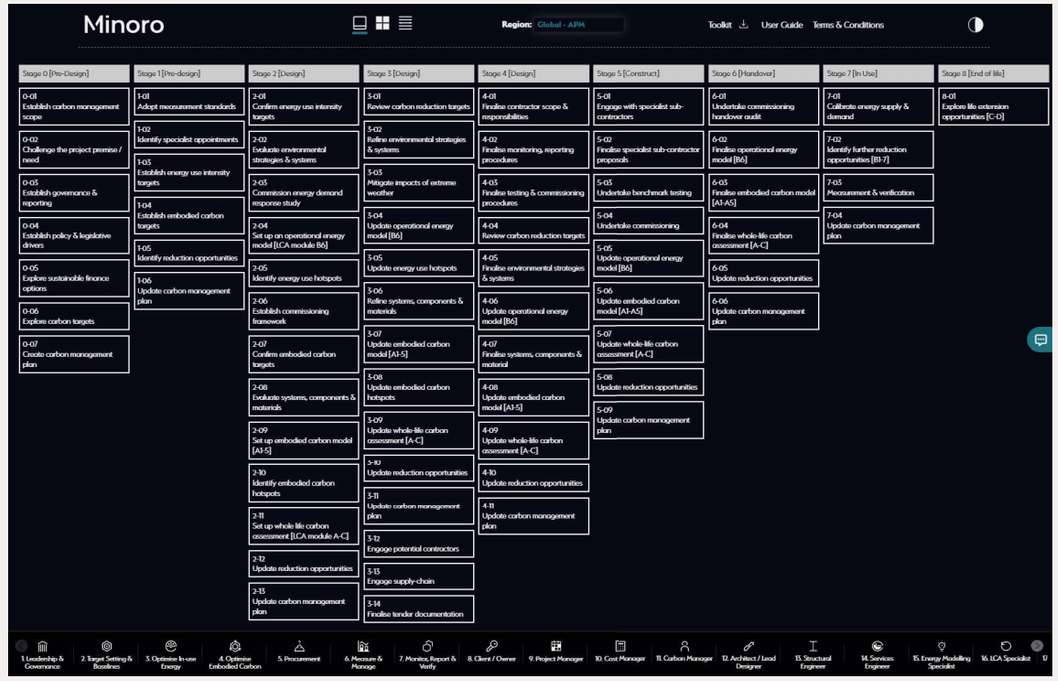
Decarbonization pathways



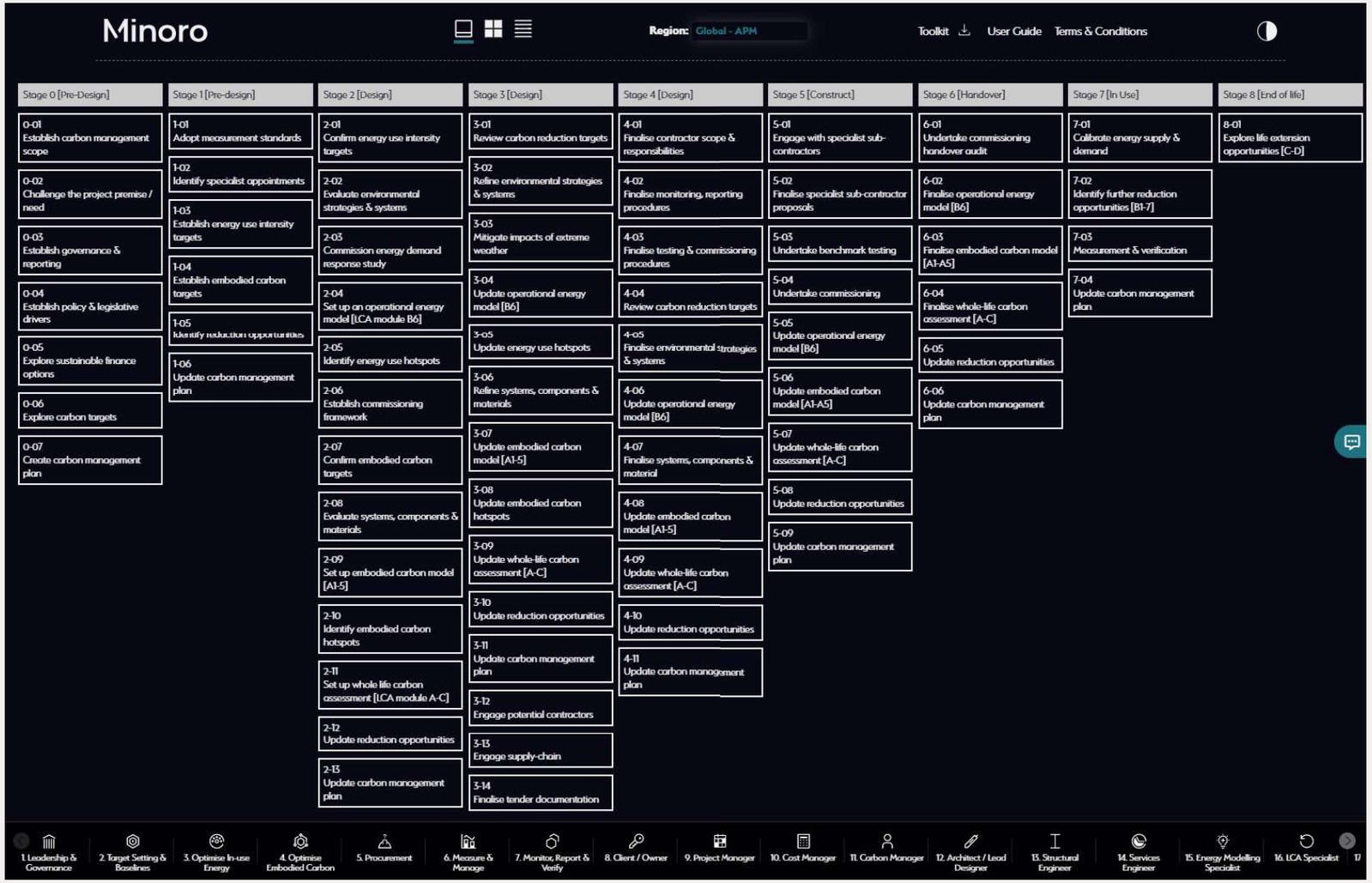


Introduction to Minoro





Introduction to Minoro (www.minoro.org)



Benefits of Minoro

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- Grimshaw and their design teams have gone through the '*learning by doing'* phase - this saves time and costs.
- Minoro has been peer reviewed and improved by 90+ organisations and industry experts.
- Actions found in Minoro come from practical knowledge through the concept and design stages
- Minoro outlines the process with guidance and actions for carbon management

Benefits of Minoro

- **Create a plan for carbon management**
  Meet project aspirations and maximise value from the outset by implementing a comprehensive plan to manage whole life carbon.

- **Develop credible, informed carbon reduction targets**
  Understand how to set realistic targets that are backed by science in order to achieve a successful project outcome.

- **Make the connection between policy and fiscal incentives**
  Drive out carbon across a project's value chain by leveraging available policies and fiscal incentives.

- **Seek opportunities at all project stages**
  Identify and maintain a register of carbon reduction opportunities throughout a project's life including design, construction and maintenance.

Integrative design approach

Business-As-Usual

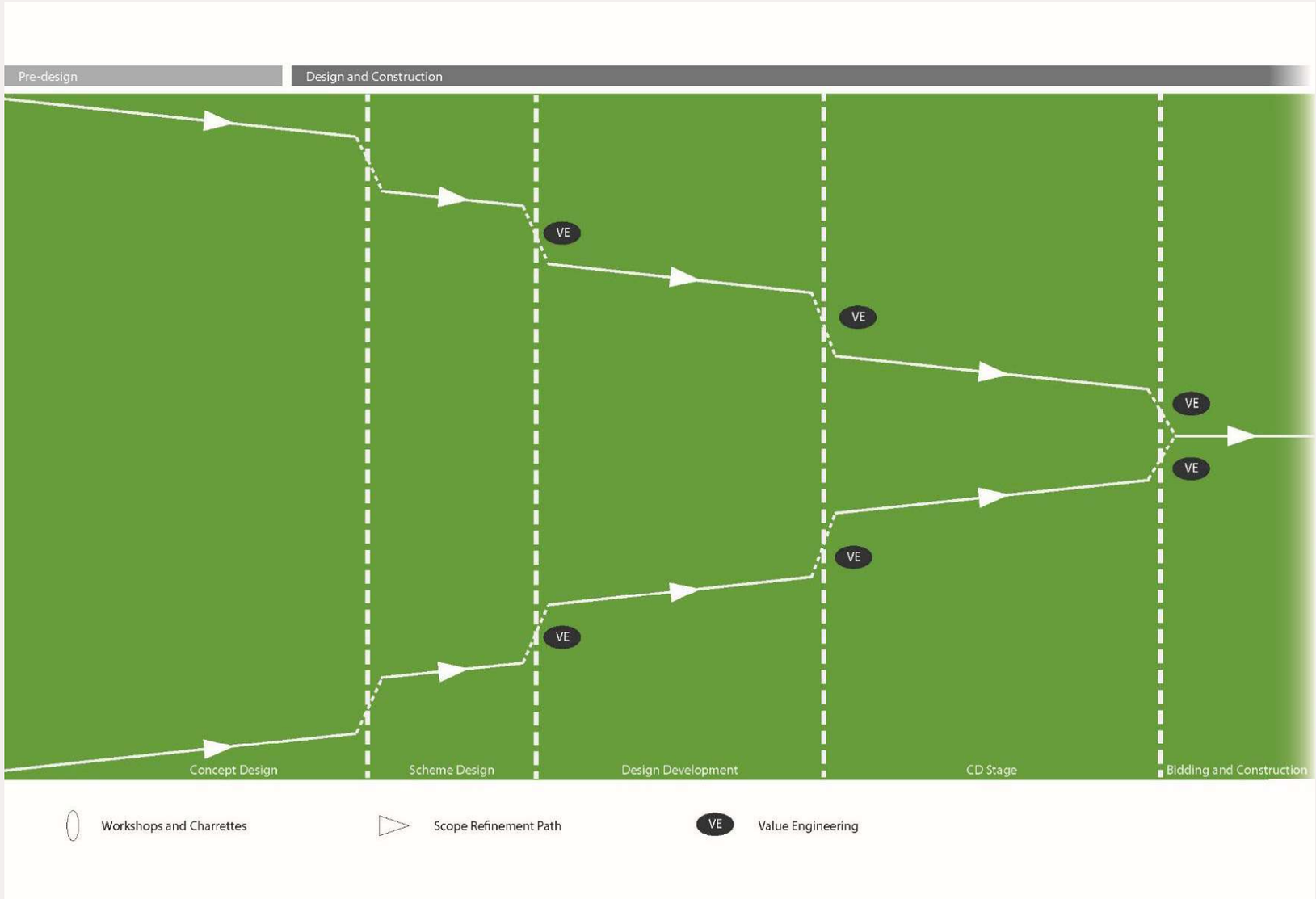
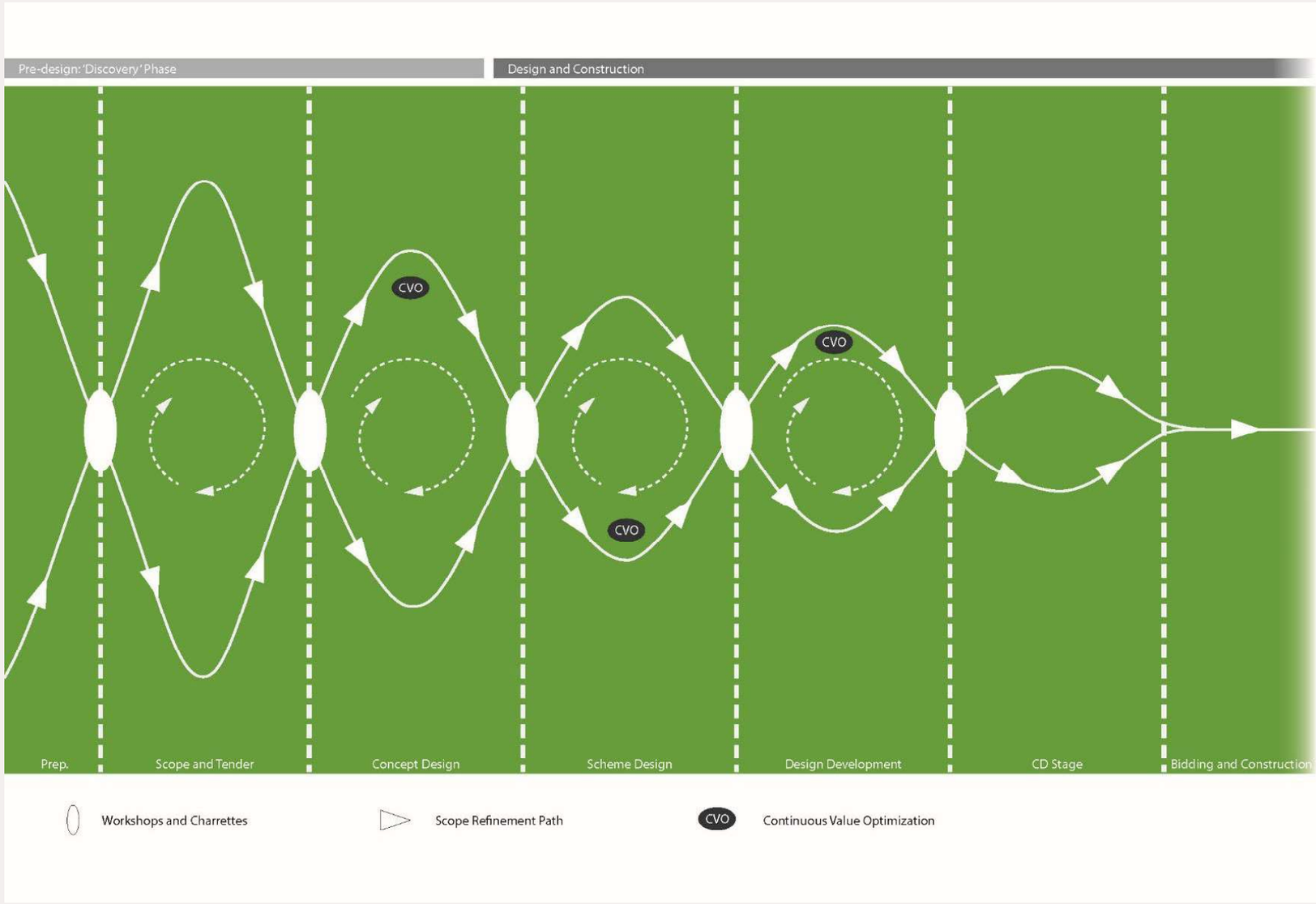


Image credit: Atelier Ten
Based on the work of 7 Group and Bill Reed,
The Integrative Design Guide to Green Building

An Integrative Design Process



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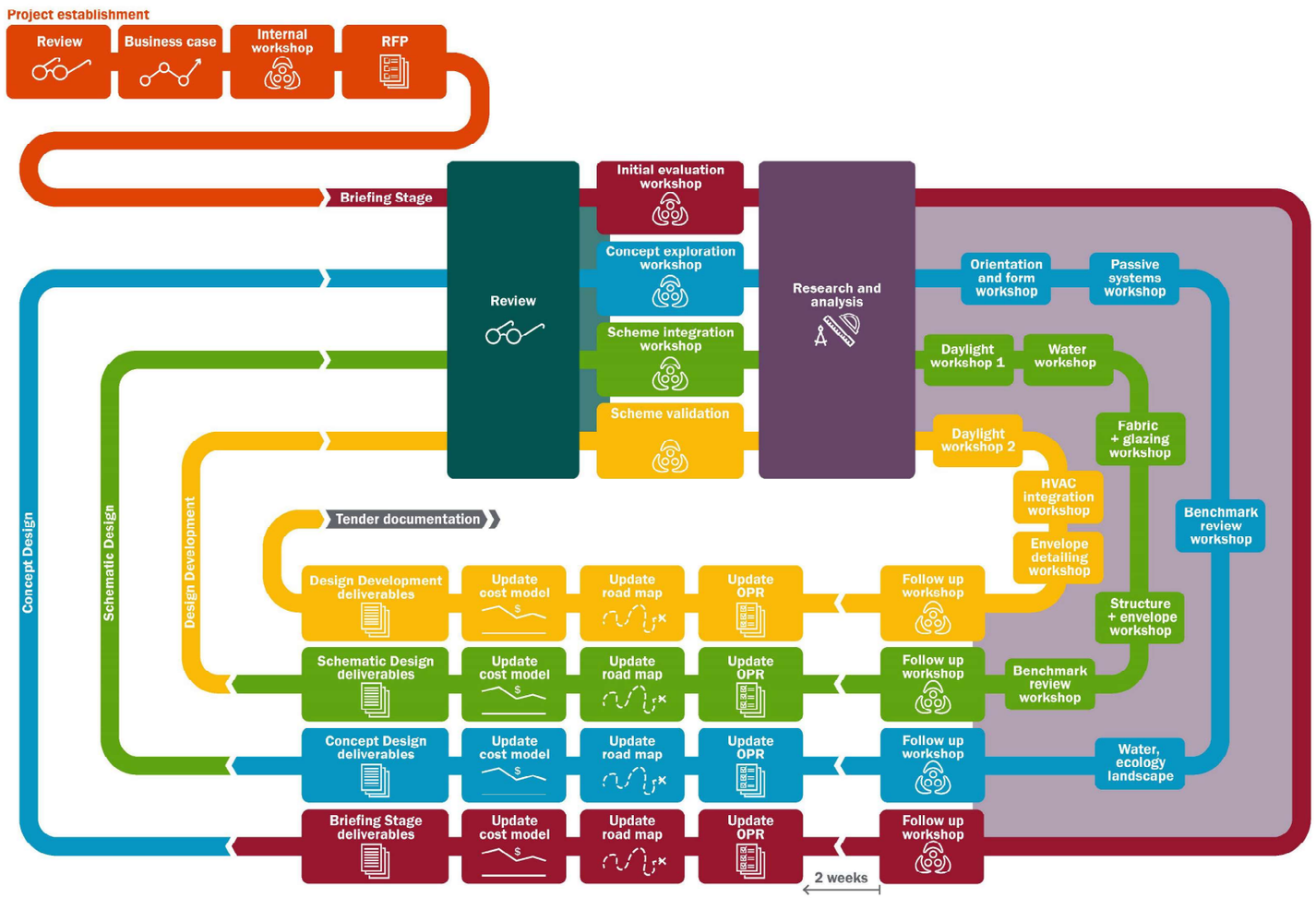

Image credit: Atelier Ten


Minoro
Q&A