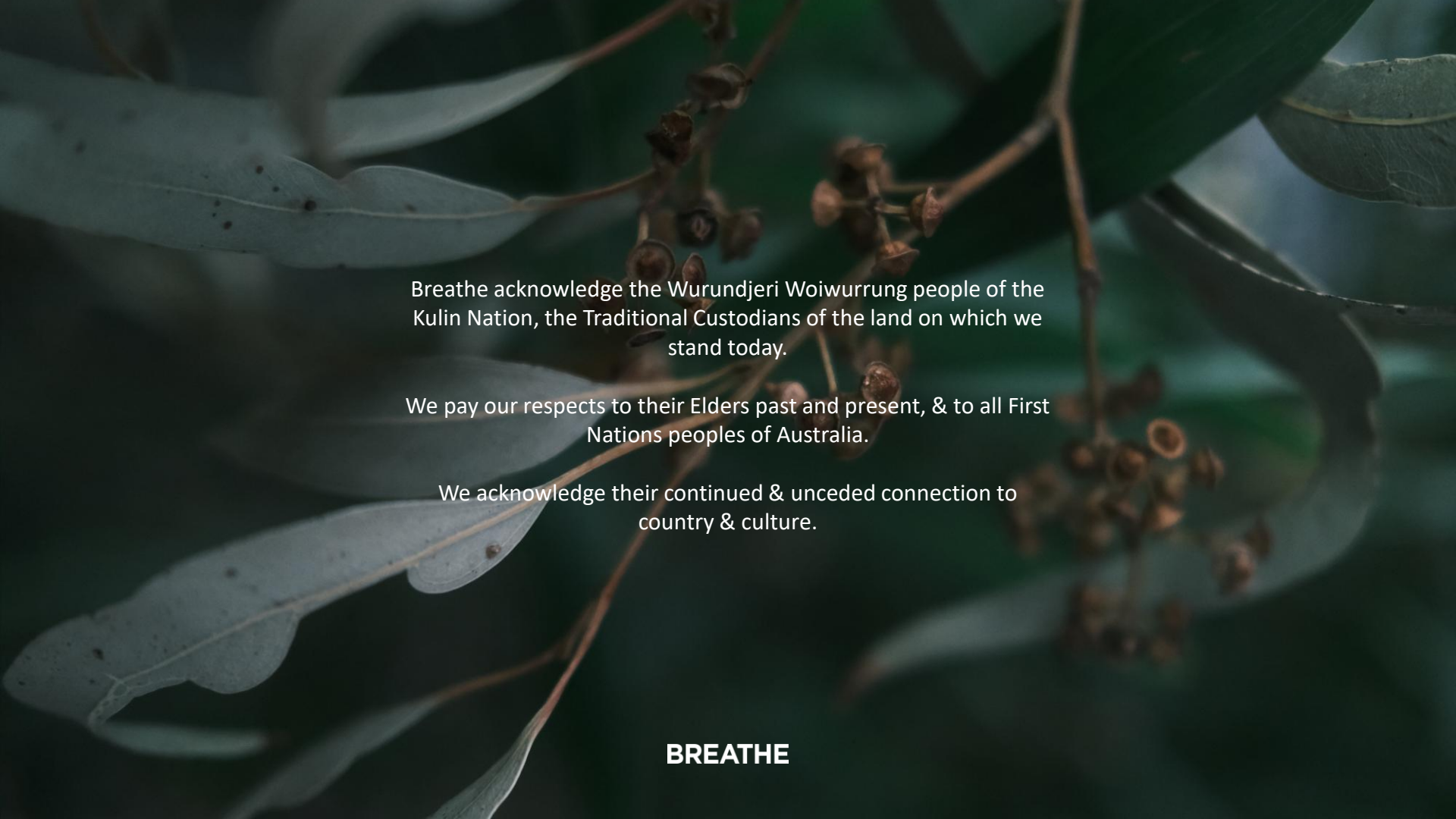


A close-up photograph of eucalyptus branches. The leaves are silvery-green with prominent veins and some small dark spots. Several brown, dried seed pods are clustered along the thin, woody stems. The background is a soft, out-of-focus green.

Breathe acknowledge the Wurundjeri Woiwurrung people of the
Kulin Nation, the Traditional Custodians of the land on which we
stand today.

We pay our respects to their Elders past and present, & to all First
Nations peoples of Australia.

We acknowledge their continued & unceded connection to
country & culture.

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Photography by Kate Longley

Breathe Architecture Leaders in Sustainability & Circularity

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KYE HOUSE



Image Source: Matthew Abbot

You know the stats

BREATHE

Image Source: Unsplash Alex Scutari

The earth can't sustain infinite growth in material consumption.

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**BUILD A
FUTURE**

Things need to change

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Photography by Sam Copland

Values driven practice

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BUILD
FUTURE



Photography by Kate Longley

THE COMMONS

Triple Bottom Line

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LOS ANGELES

Photography by Tom Ross

More with less

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The Nightingale Series | The Commercial Project

Low Carbon
Net Zero Ready

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Photography by Tom Ross

Buildings that give back

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Photography by Derek Swallwel

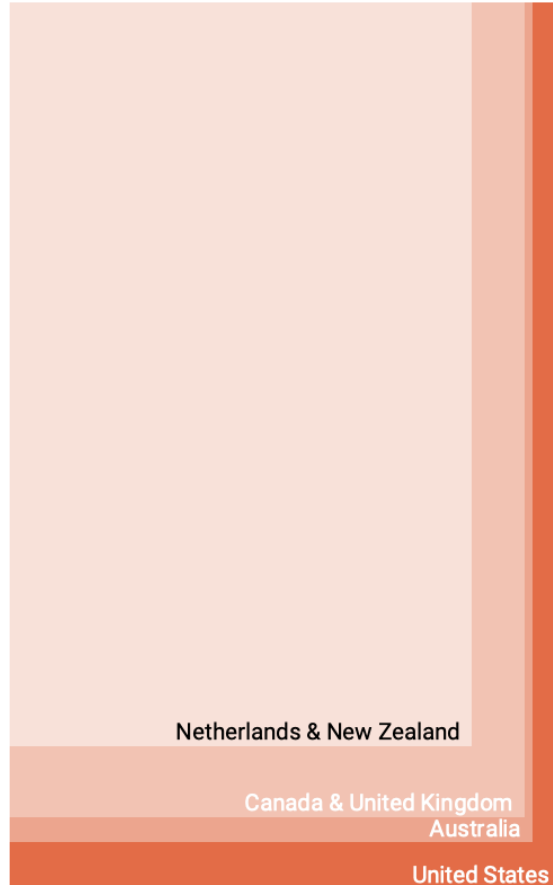
For a Healthier Future

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Photography by Derek Swalwell

For a Circular Future

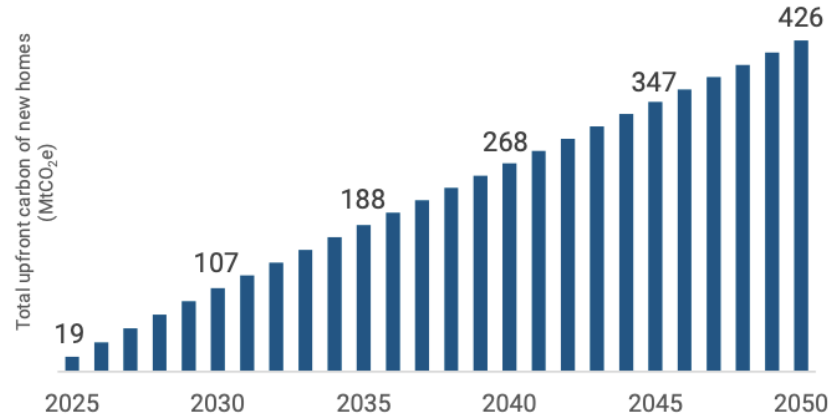
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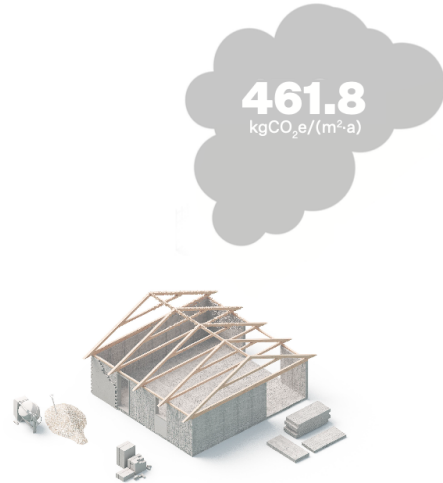
Global Housing sizes

Country	Detached dwelling size (m ²)
Australia	235
Canada	228
Netherlands	184
New Zealand	181
United States	261
United Kingdom	228

Australia
Largest housing
Low occupancy
High carbon



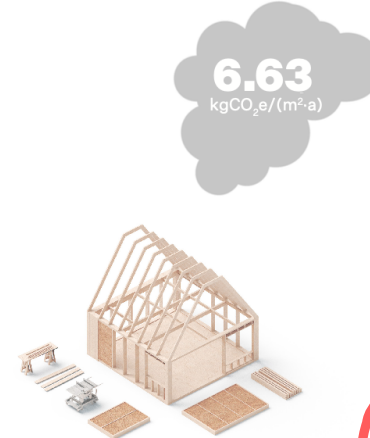
If nothing changes, the construction of new single-family dwellings could use up anywhere between 7 to 11% of Australia's carbon budget.



Current housing emissions

The annual greenhouse gas emissions per square metre of housing in Australia is calculated as such: initial embodied greenhouse gas emissions + annualised recurrent embodied greenhouse gas emissions (for replacing materials over 50 years) + annualised heating and cooling greenhouse gas emissions (over 50 years) for the average size of a new dwelling: 186m² (noting that Australia's predominant dwelling type, the detached house, is 232m² on average).

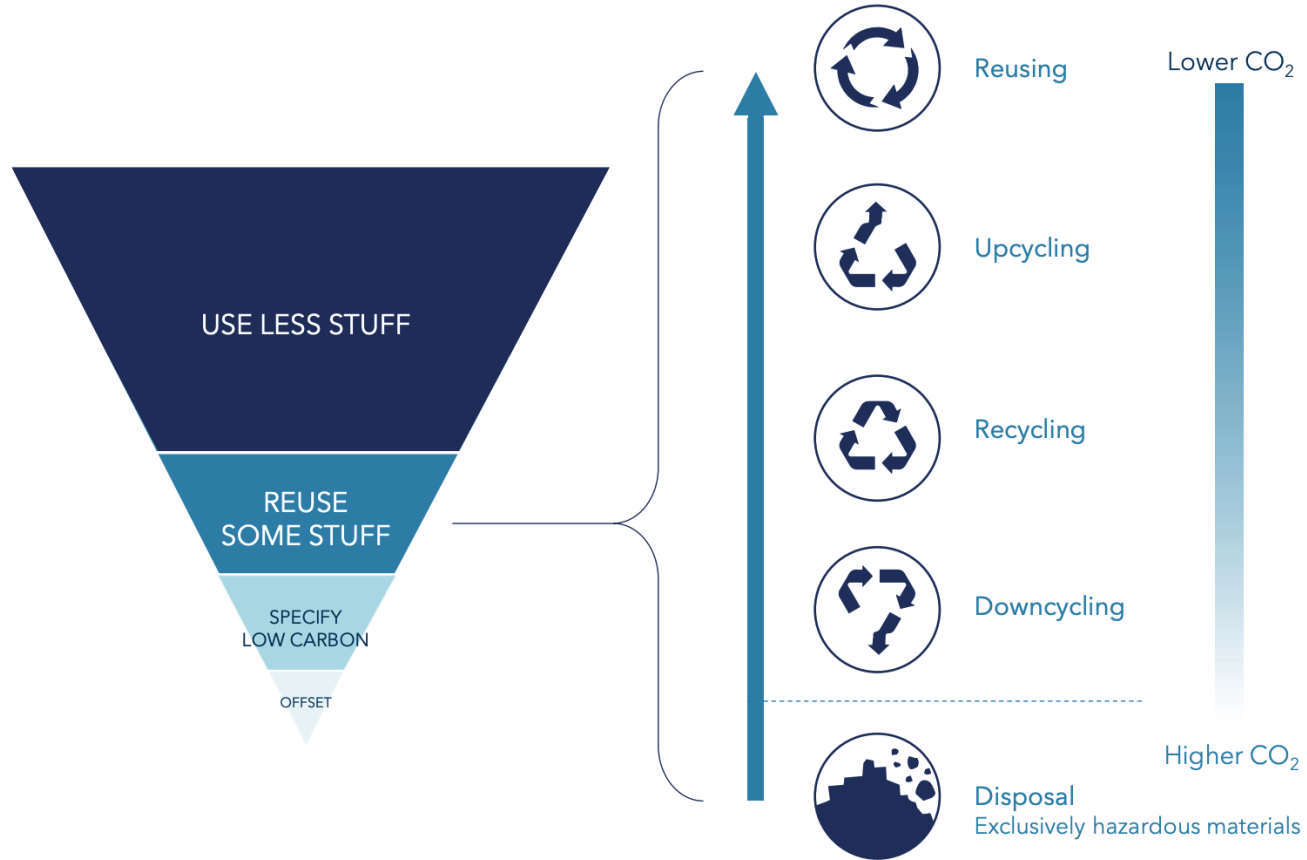
Initial embodied greenhouse gas emissions are sourced from Schmidt et al, 2020. Recurrent embodied greenhouse gas emissions are based on figures from Dixit, 2017. Heating and cooling greenhouse gas emissions are based on data from NatHERS. All greenhouse gas emissions are reduced by relevant factors over a 50 year period, to reflect the decarbonisation of the energy mix and improving technology.



Housing emissions limit per m²

In order to operate within planetary boundaries, the estimated greenhouse gas emissions intensity of 461.8 kgCO₂e/(m²·a) needs to be reduced by 98.57%, resulting in a limit of 6.63 kgCO₂e/(m²·a) for new housing.

**98.57%
Reduction**



Photography by Bonnie Herring



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Photography by Peter Clarke

QV 8 Apartments

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Photography by Peter Clarke



QV 8 Apartments

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Photography by Peter Cla

QV 8 Apartments

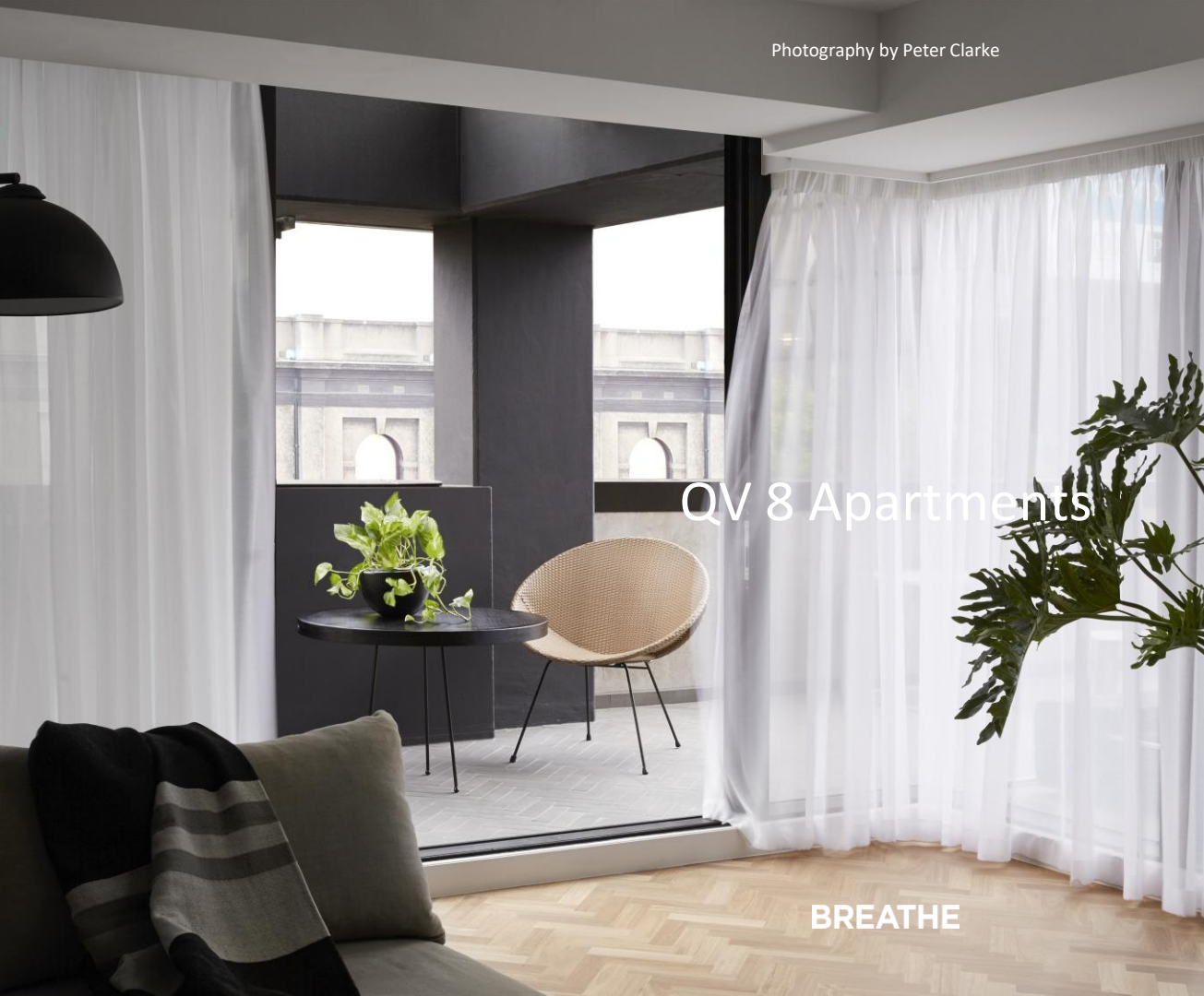
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Photography by Peter Clarke

QV 8 Apartments

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Photography by Breathe



Oxley Lodge - 2023



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Photography by Tom Ross

Park Street

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*Oxley
Lodge*

Photography by Tom Ross

Park Street

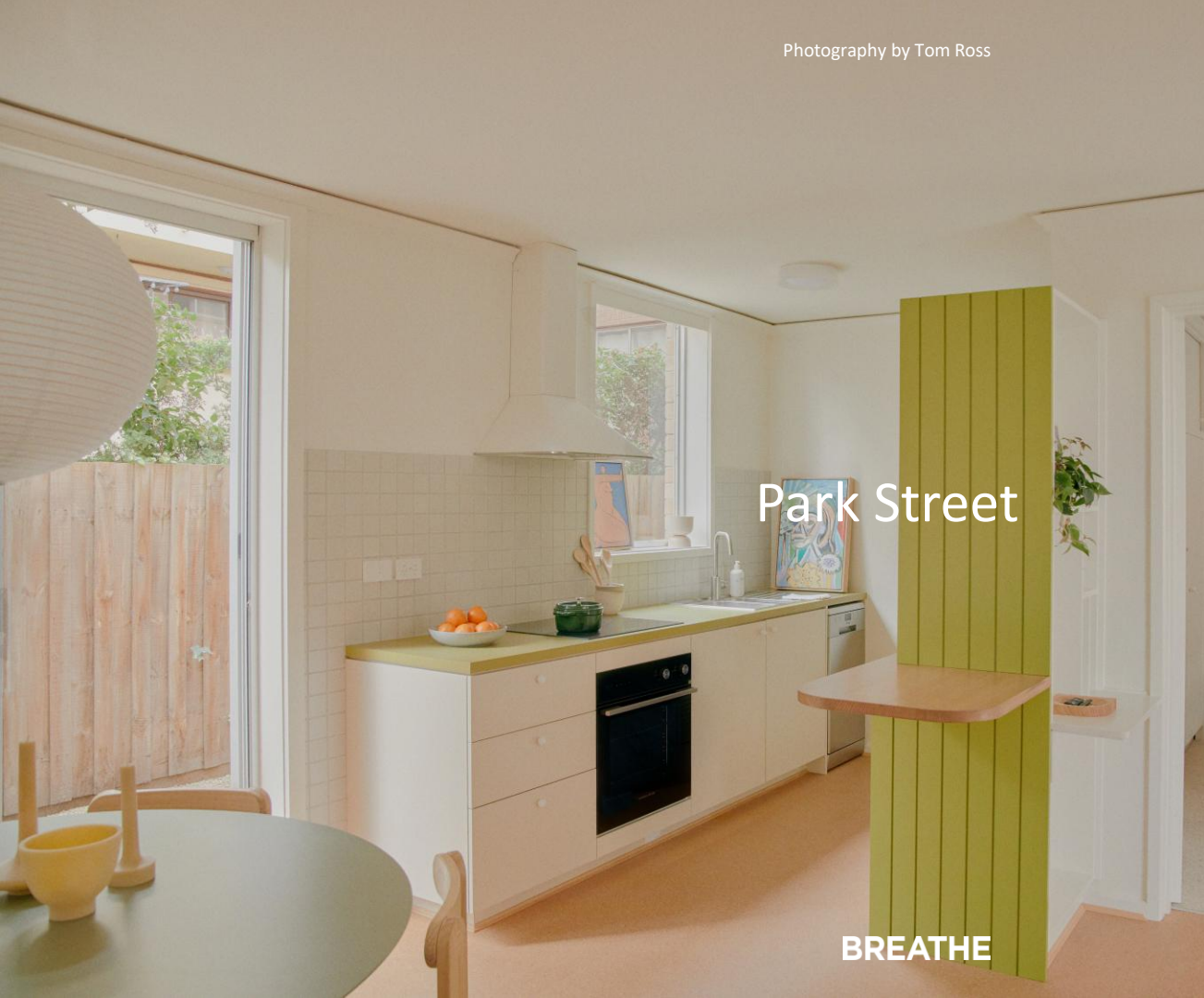
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Photography by Tom Ross

Park Street

BREATHE





Photography by Tom Ross

Park Street

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Photography by Tom Ross

Park Street

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Paramount House 2018



Photography by Kat Lu

Paramount House Hotel

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Photography by

distribution of film products. Film is sent to

Park Street

PERMANENT
VACATION

BREATHE





Photography by Tom Ross

Park Street

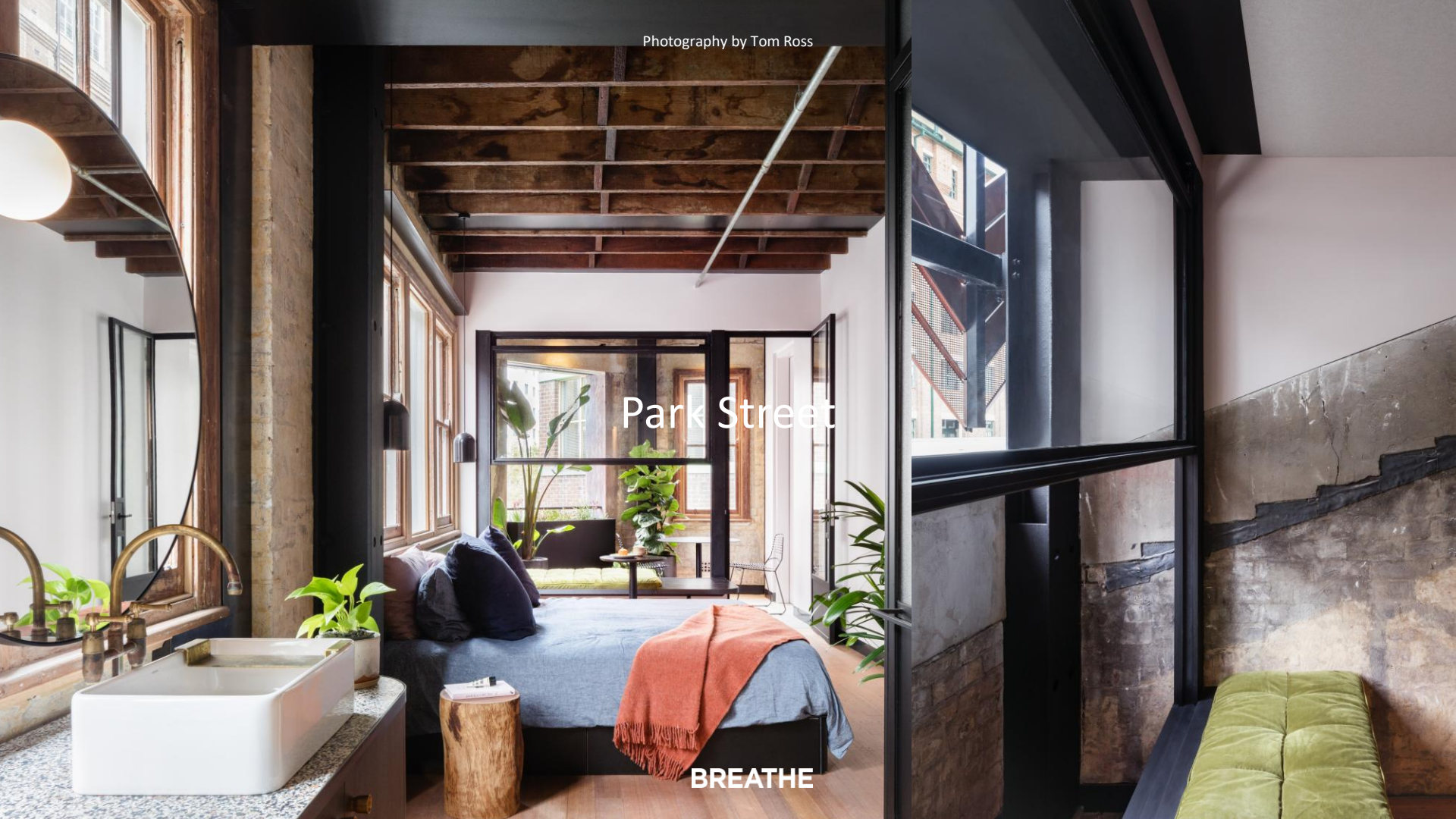
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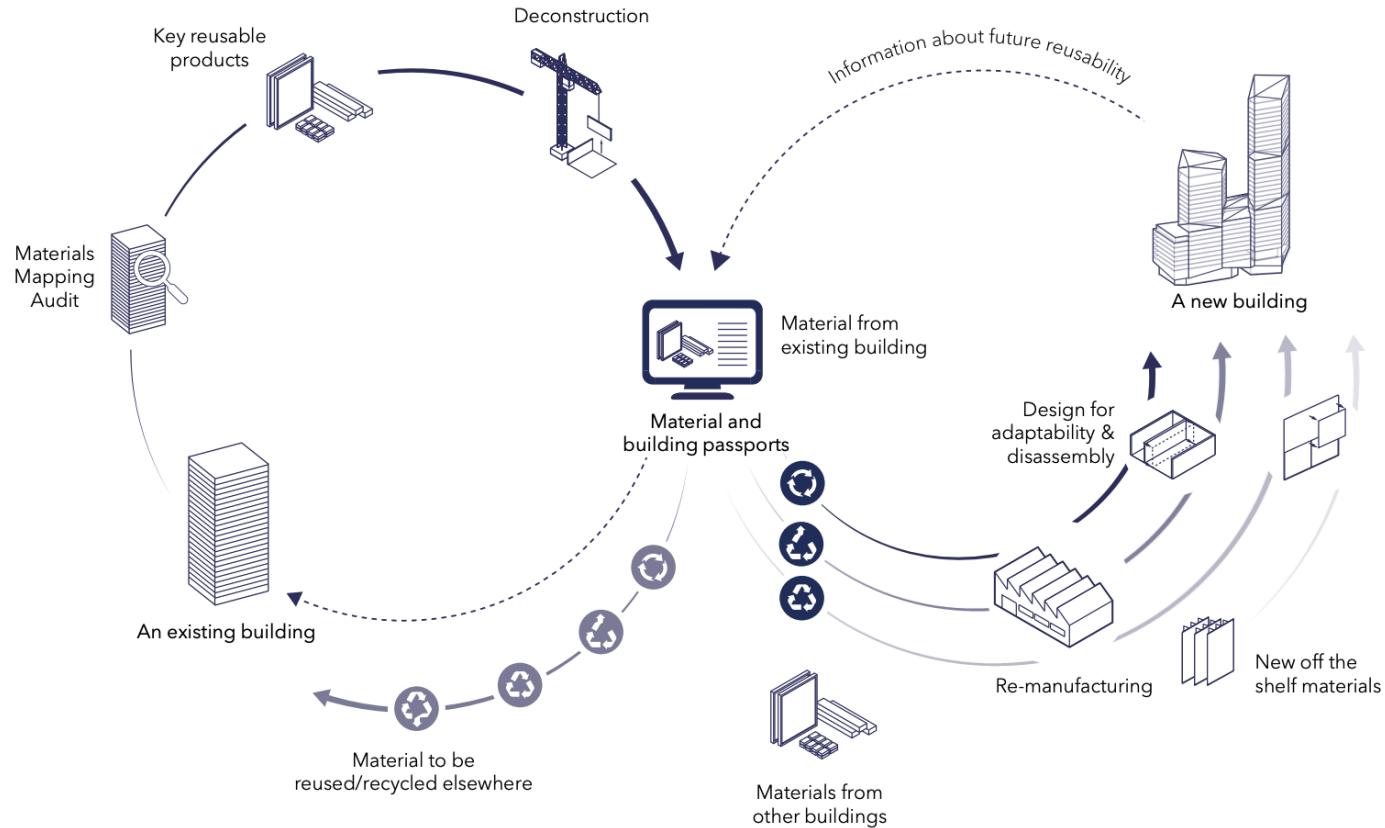


Photography by Tom Ross

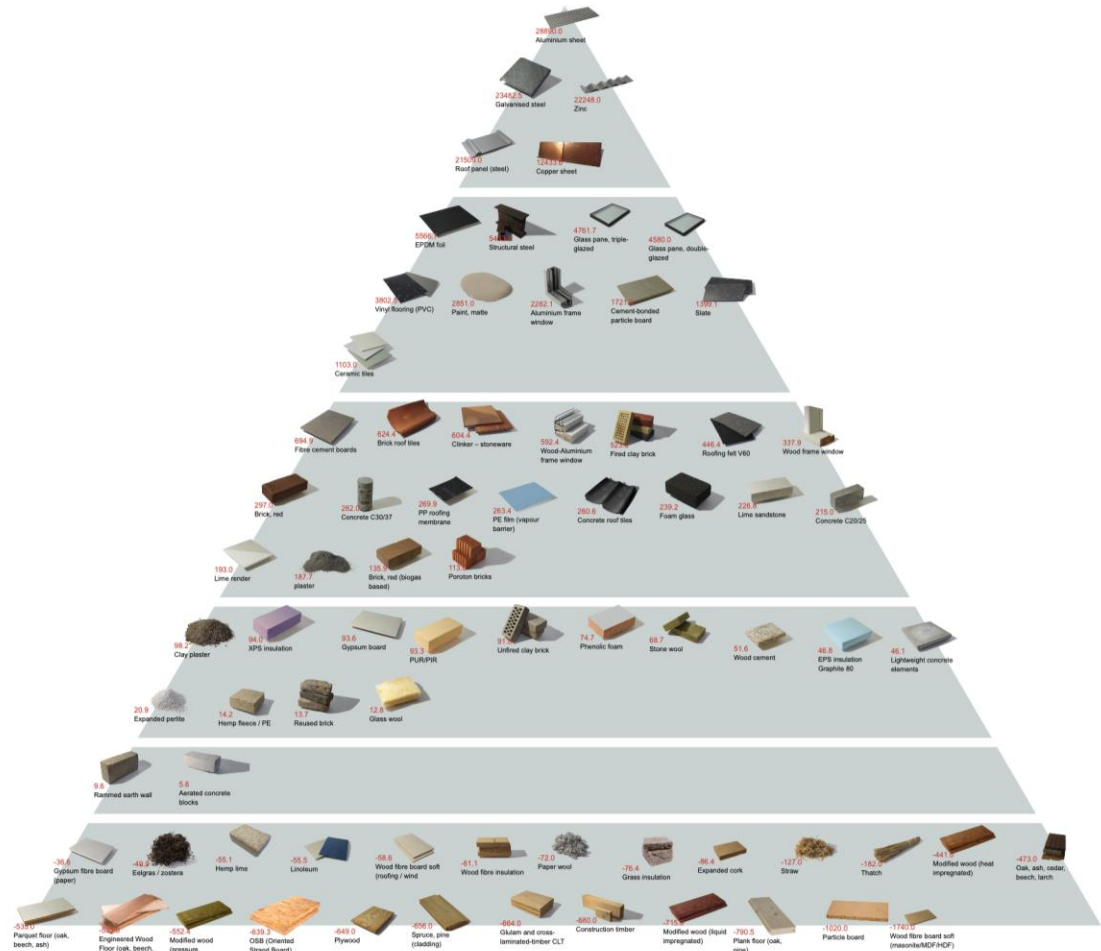
Park Street

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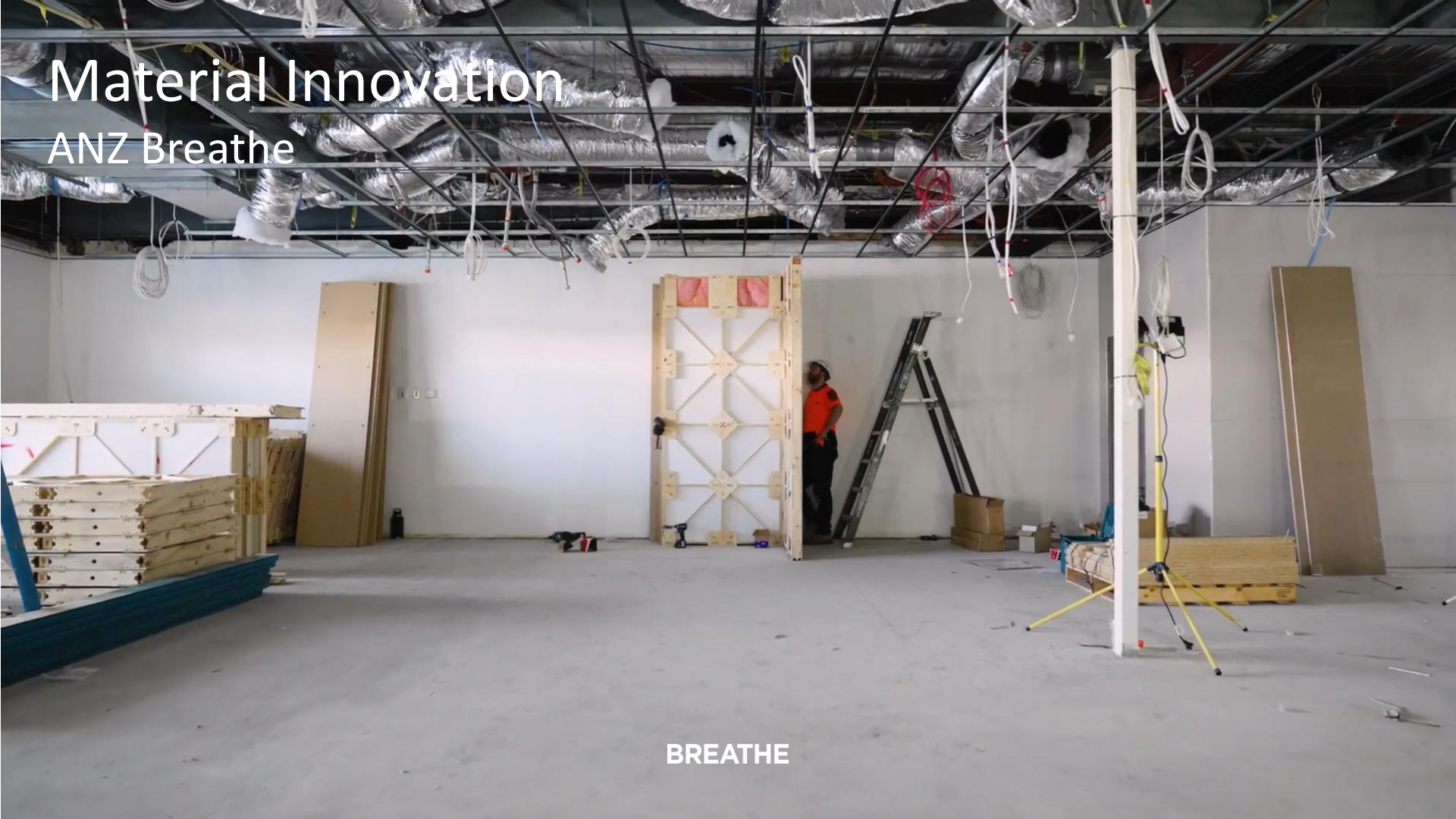


Construction Materials Pyramid | CINARK Royal Danish Academy



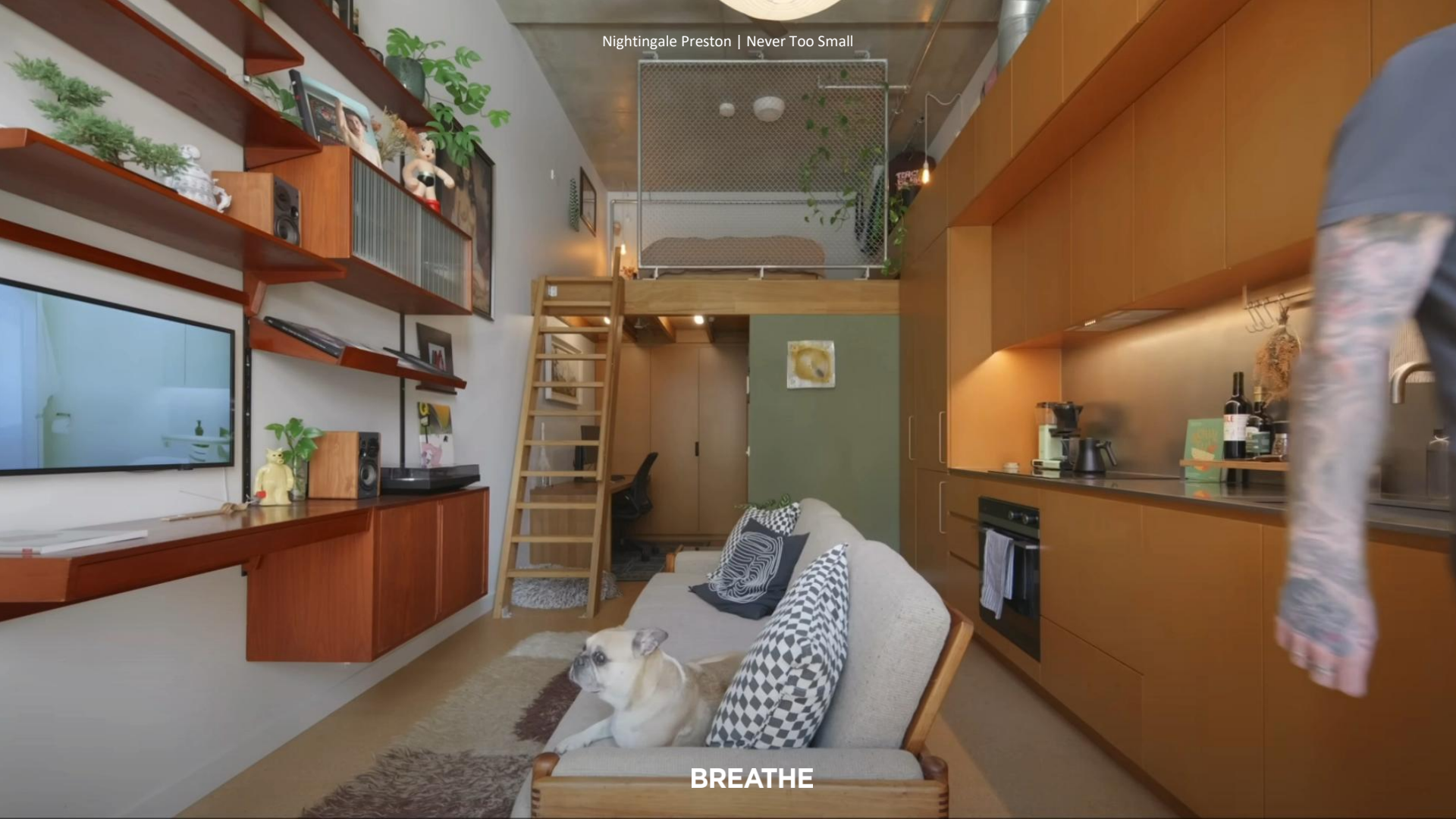
Material Innovation

ANZ Breathe



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Nightingale Preston | Never Too Small



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It doesn't have to be Hard

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Photography by Ben Moynihan

It doesn't have to be **Flashy**

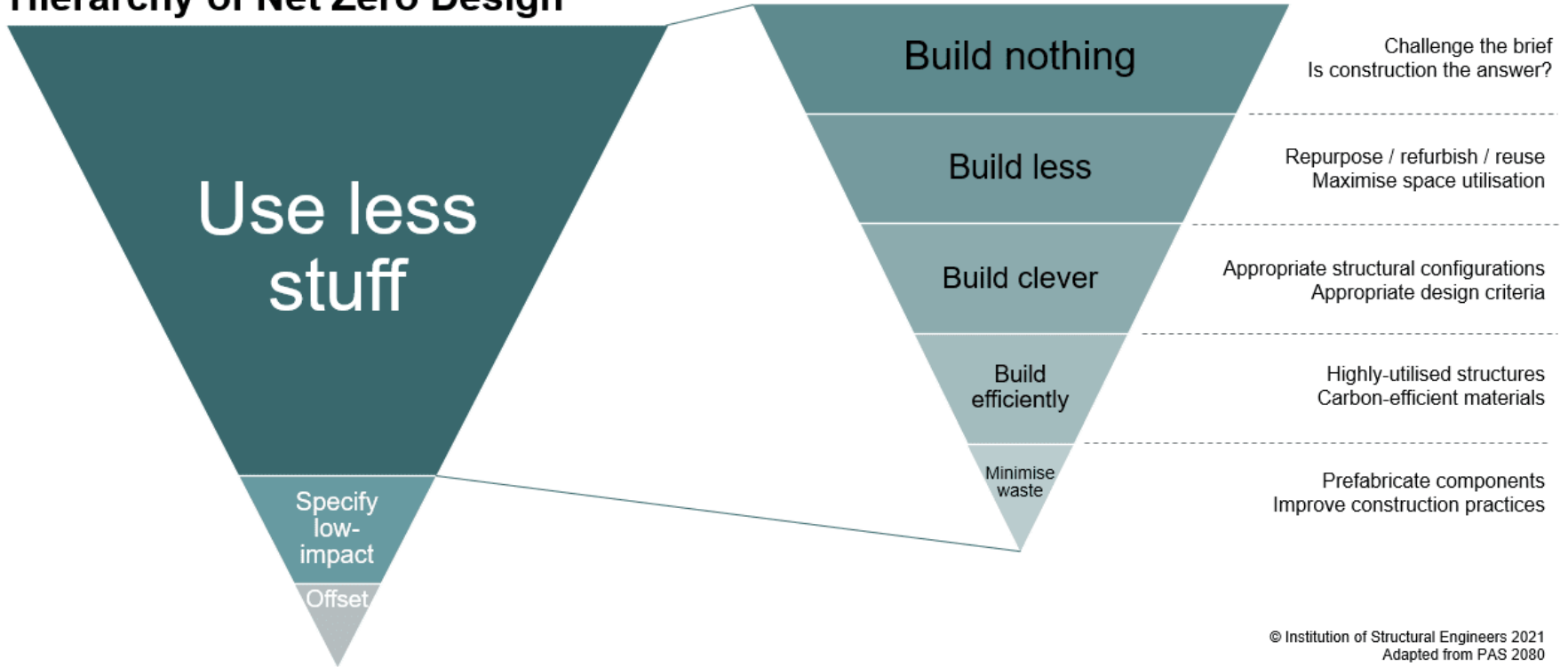
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Photography by Ben Moynihan

It Shouldn't be In Isolation

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Hierarchy of Net Zero Design



Photography by Derek Swalwell

Thank you

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