Priserne stiger, forsyningssikkerheden svinder og co2 udledningen er for høj - 3 problemer med 1 løsning?

By Ditte Lysgaard Vind
Partnership director **Lendager**
& founder **The Circular Way**

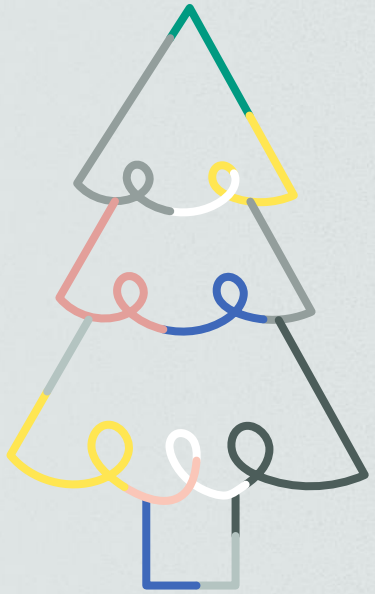

Op til 70% af nye materialer bruges i det byggede miljø.
40% at alt affald samt udledning af co2 ekvivalenter kommer fra det byggede miljø.


50% af den samlede udledning stammer fra materialeproduktion og byggefasen.

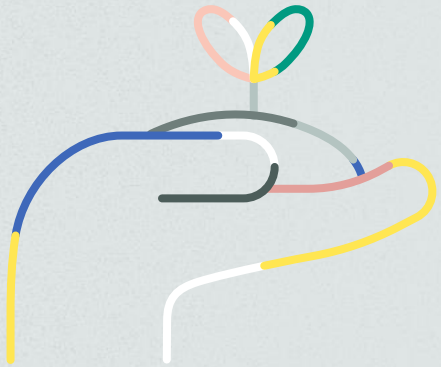

CO2
WASTE
RESOURCES
CLIMATE
BIO DIVERSITY

ENTERING A NEW WORLD

the circular way



"A circular economy is restorative and regenerative by design, and aims to keep products, components, and materials at their highest utility and value at all times"



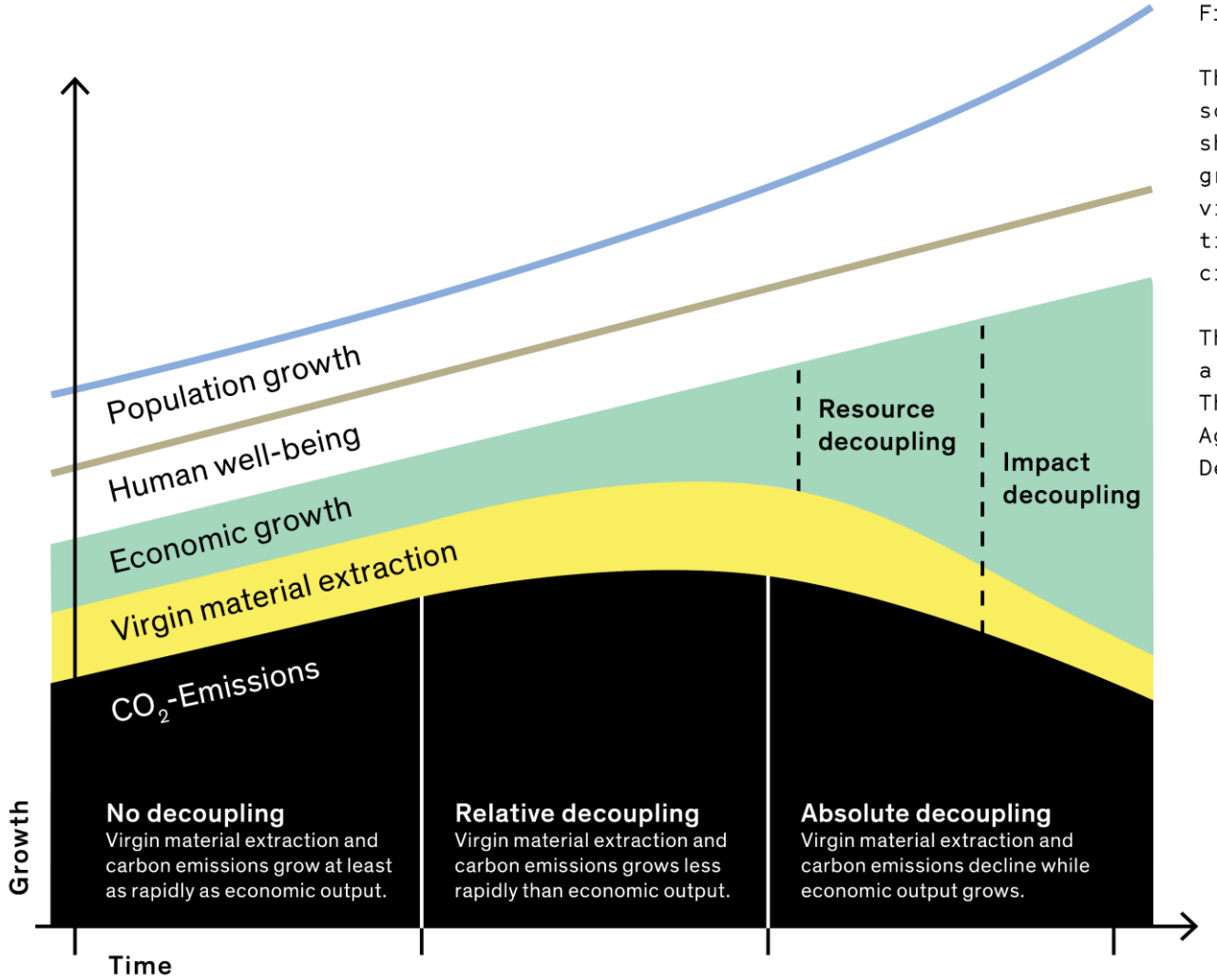
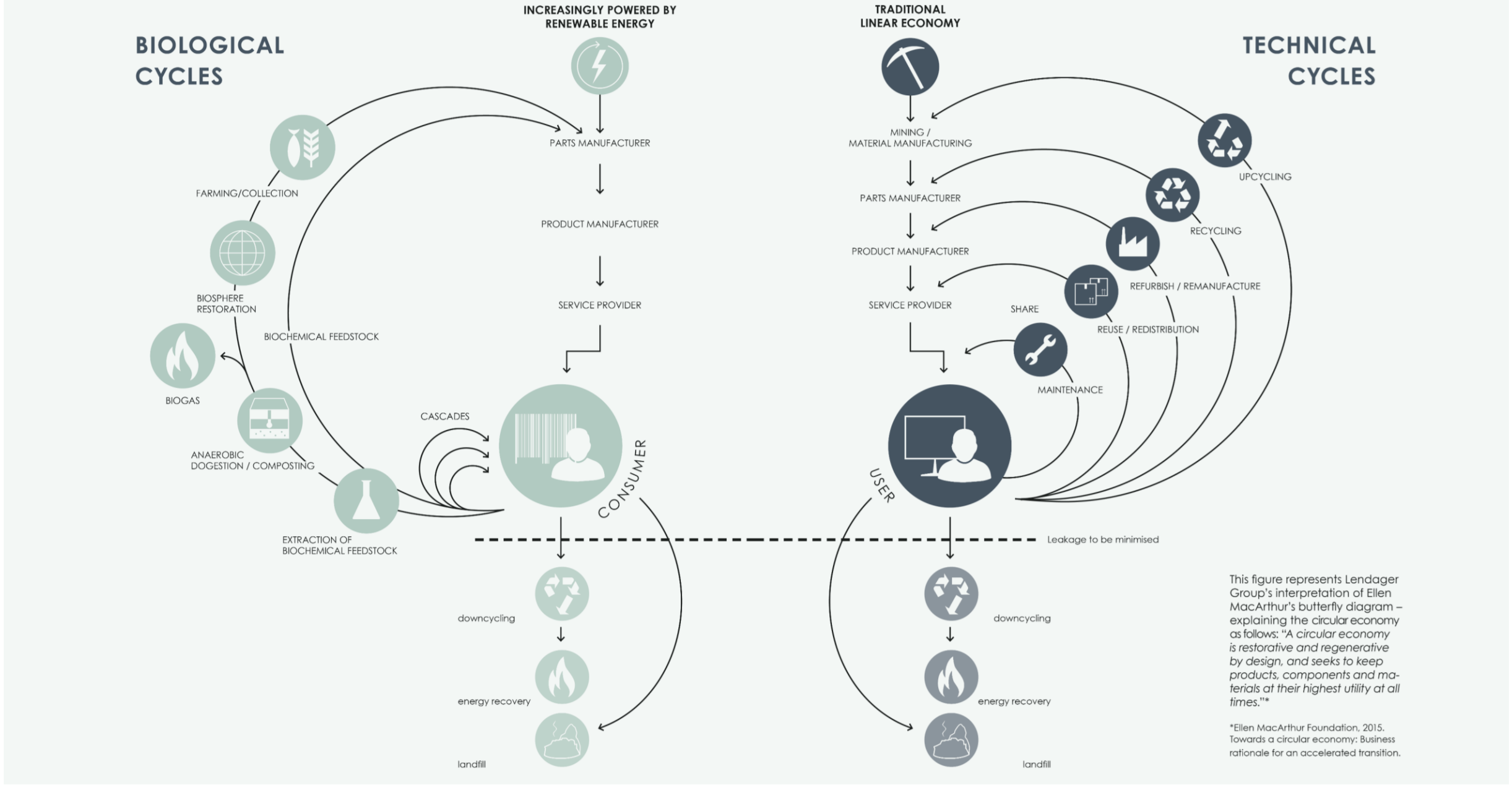


Figure 04: Decoupling

This graph shows a future scenario of the relationship between economic growth and CO2-emissions/ virgin material extraction when adhering to the circular economy.

The graph is based on a model developedby the The European Environment Agency, 2015. Decoupling Demystified.



This figure represents Lendager Group's interpretation of Ellen MacArthur's butterfly diagram – explaining the circular economy as follows: "*A circular economy is restorative and regenerative by design, and seeks to keep products, components and materials at their highest utility at all times.*"*

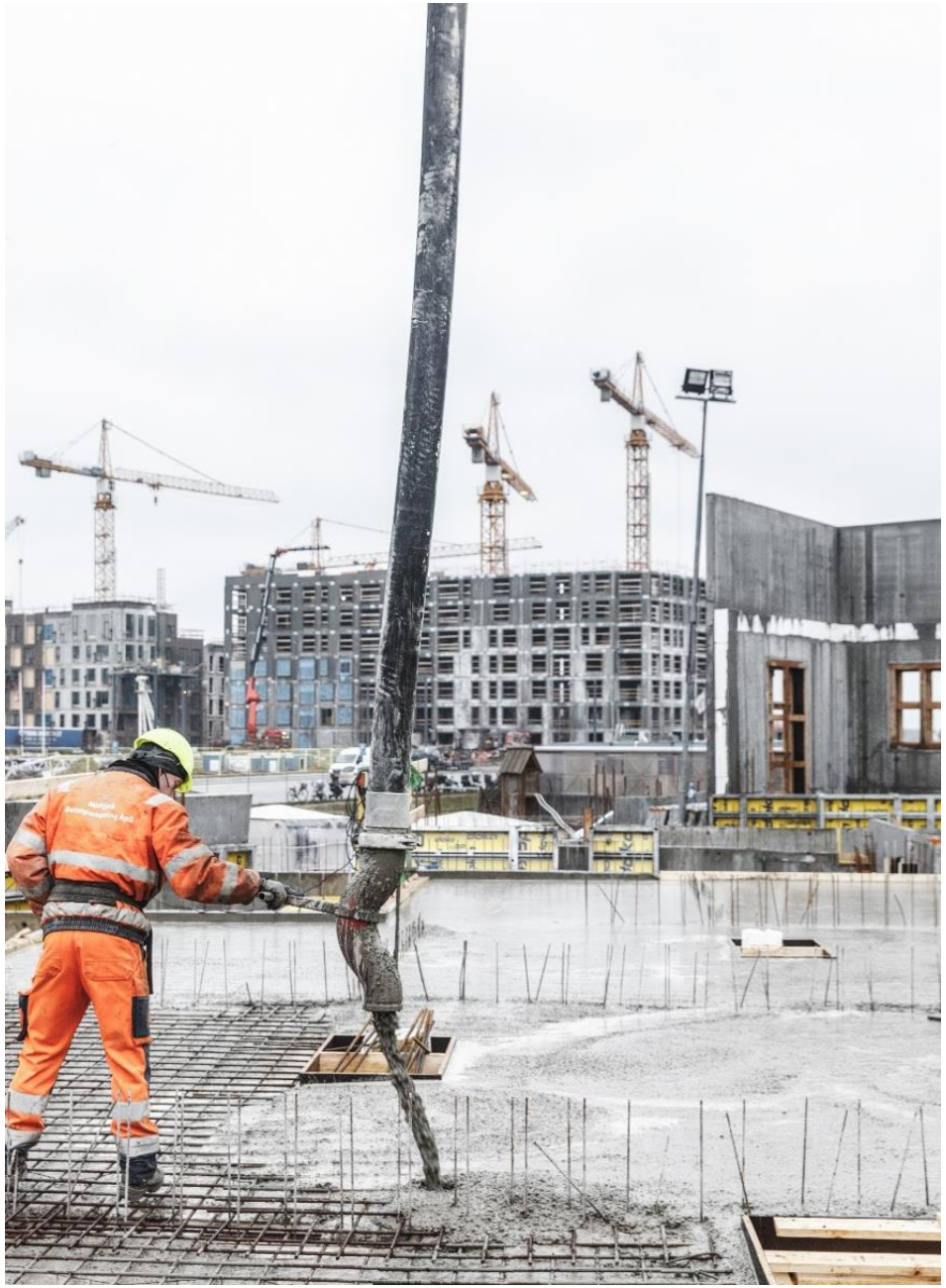
*Ellen MacArthur Foundation, 2015. Towards a circular economy: Business rationale for an accelerated transition.

Hvad gør vi så?

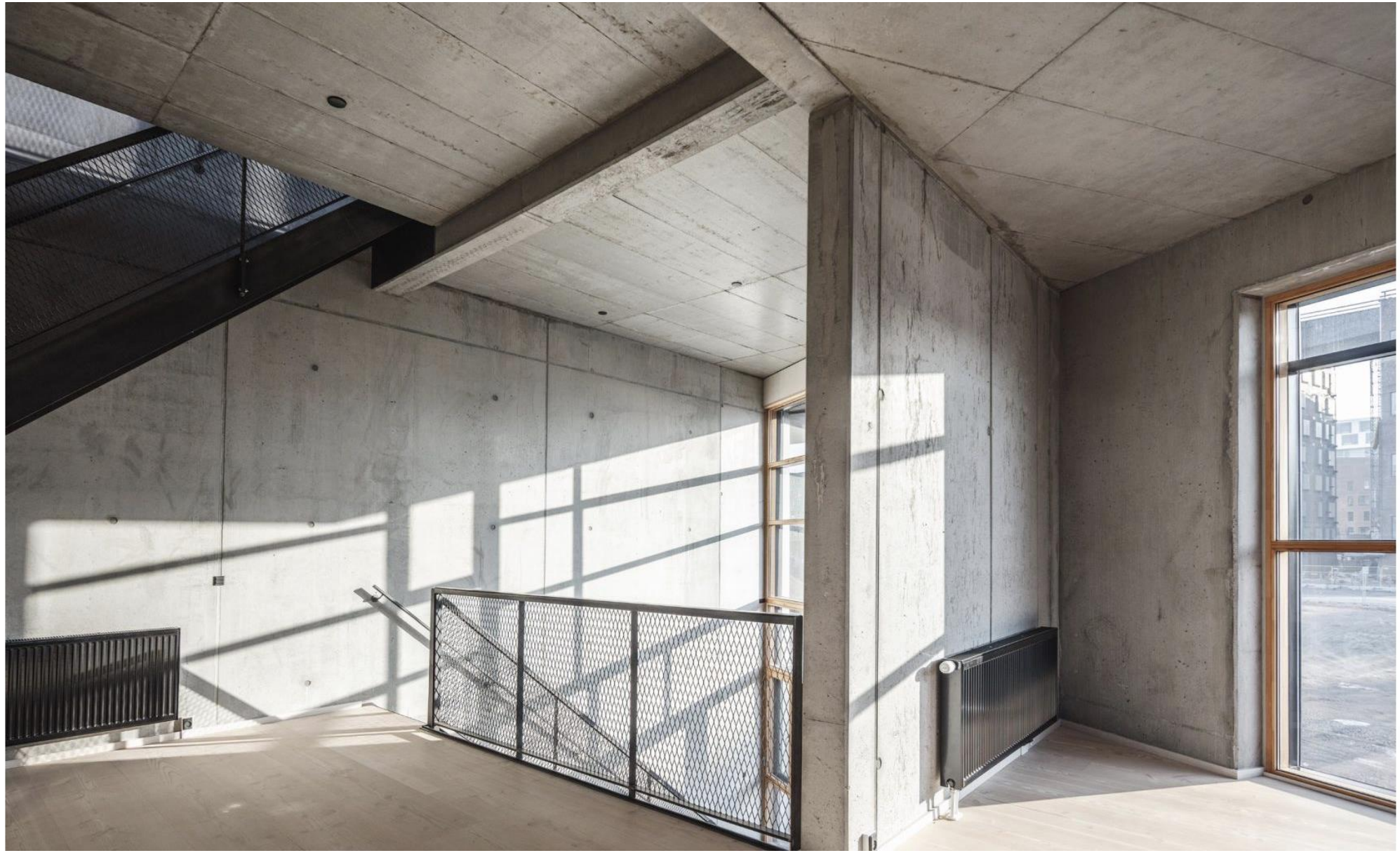
Upcycle studios

CONCRETE


Upcycle Studios




SAND
JCB
filbo intercon
CEMENT



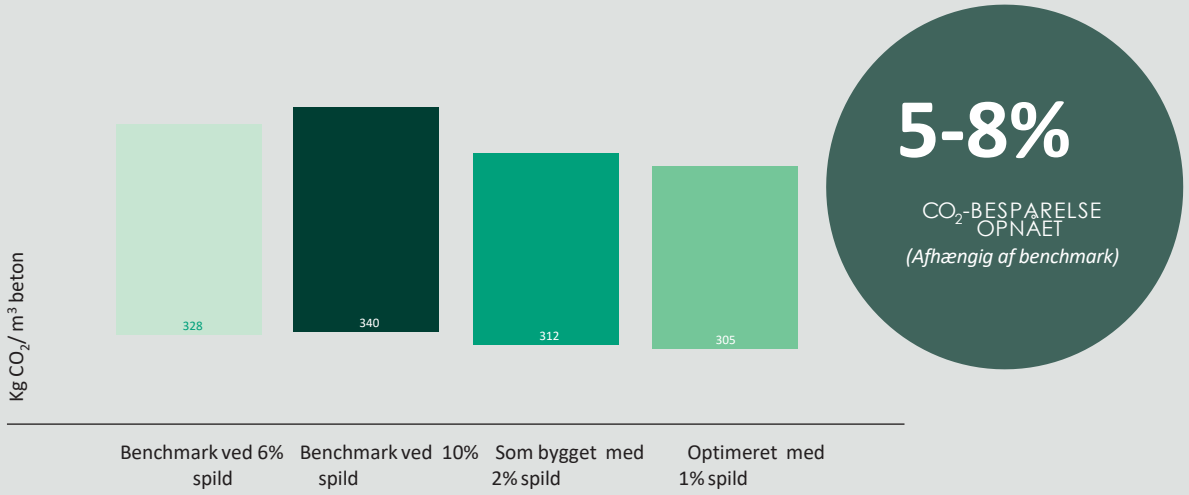
UPCYCLE CONCRETE
RESULTS FOR UPCYCLE STUDIOS

	AS BUILD	POTENTIAL IF BUILD PER OPTIMISED SCENARIOS*
CO_2	25 tonnes CO_2-eq/rowhouse 8 % saving	31 tonnes CO_2-eq/rowhouse 11 % saving
§	-86,239 DKK/rowhouse 74 % more expensive	-13,469 DKK/rowhouse 12 % saving
	904 tonnes waste in total	904 tonnes waste in total

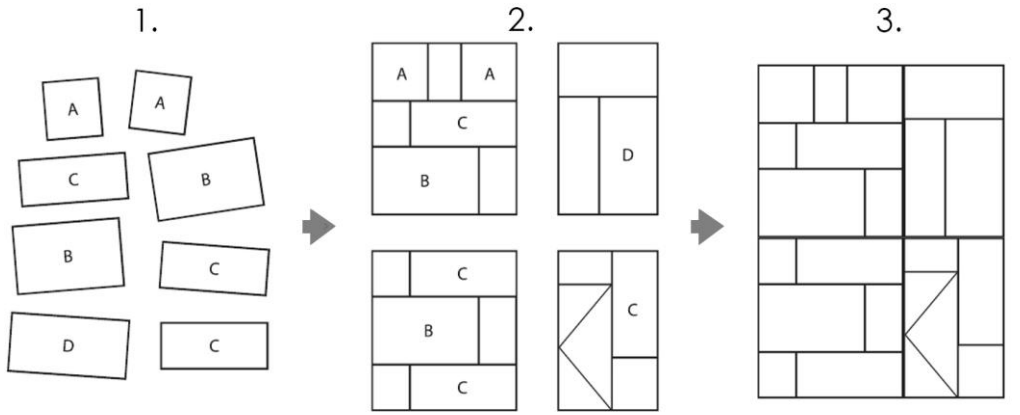
* Best case

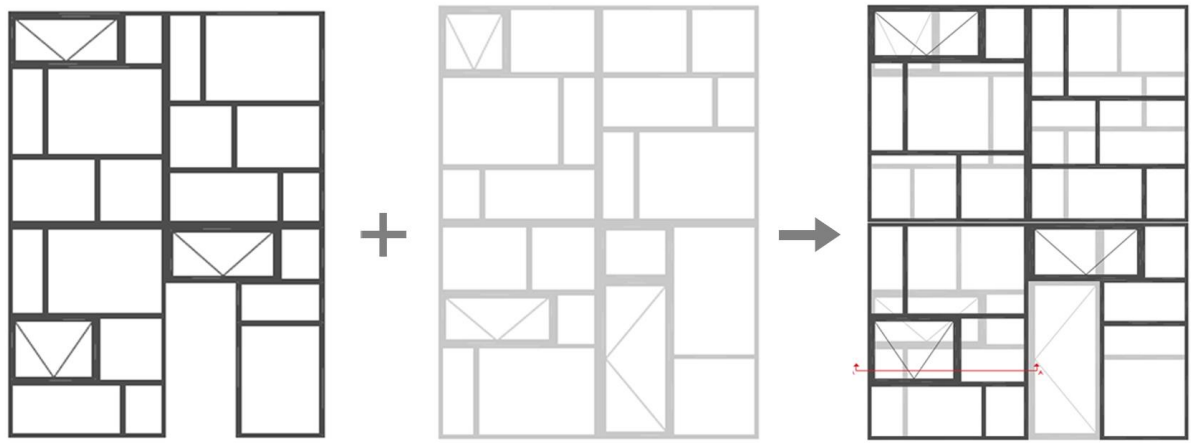
904 tons affald

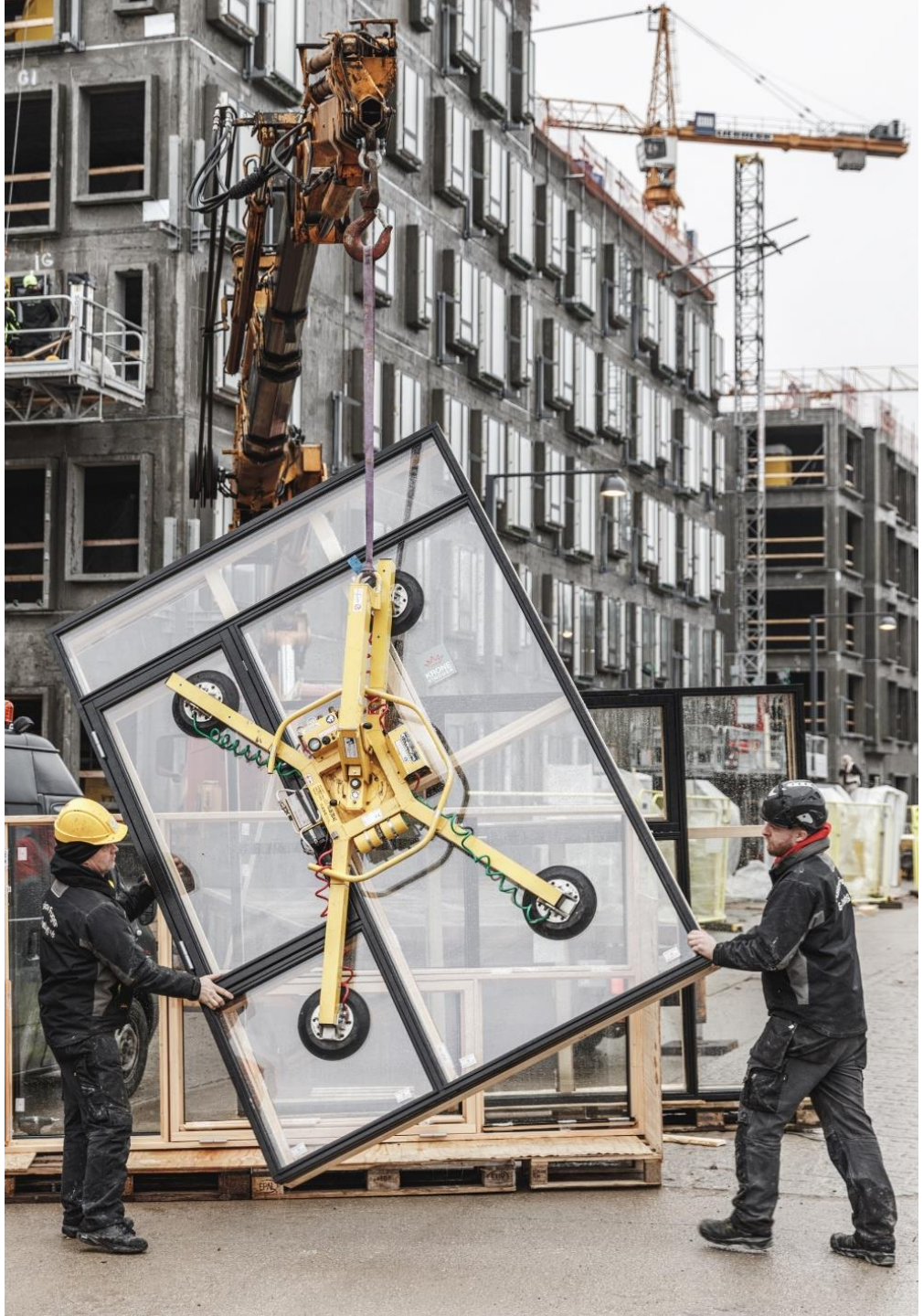
CO2 SAVING


Kg CO_2/ m^3 beton
328
340
312
305
Benchmark ved 6% spild
Benchmark ved 10% spild
Som bygget med 2% spild
Optimeret med 1% spild
5-8%
CO_2-BESPARELSE OPNÅET
(Afhængig af benchmark)

WINDOWS



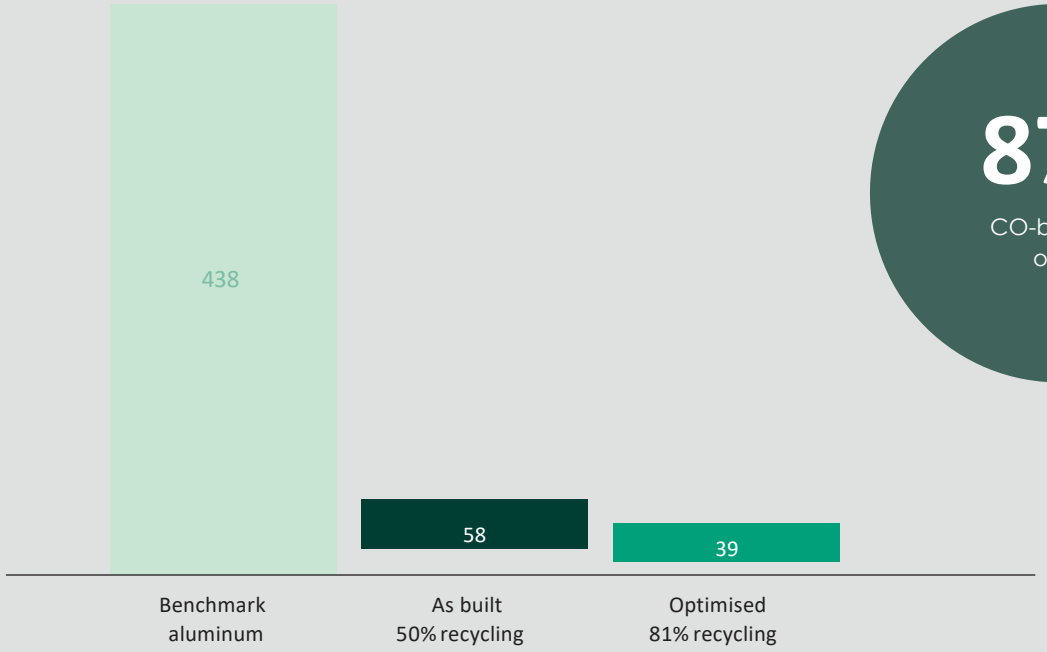





LIEBHERR
MANITOU

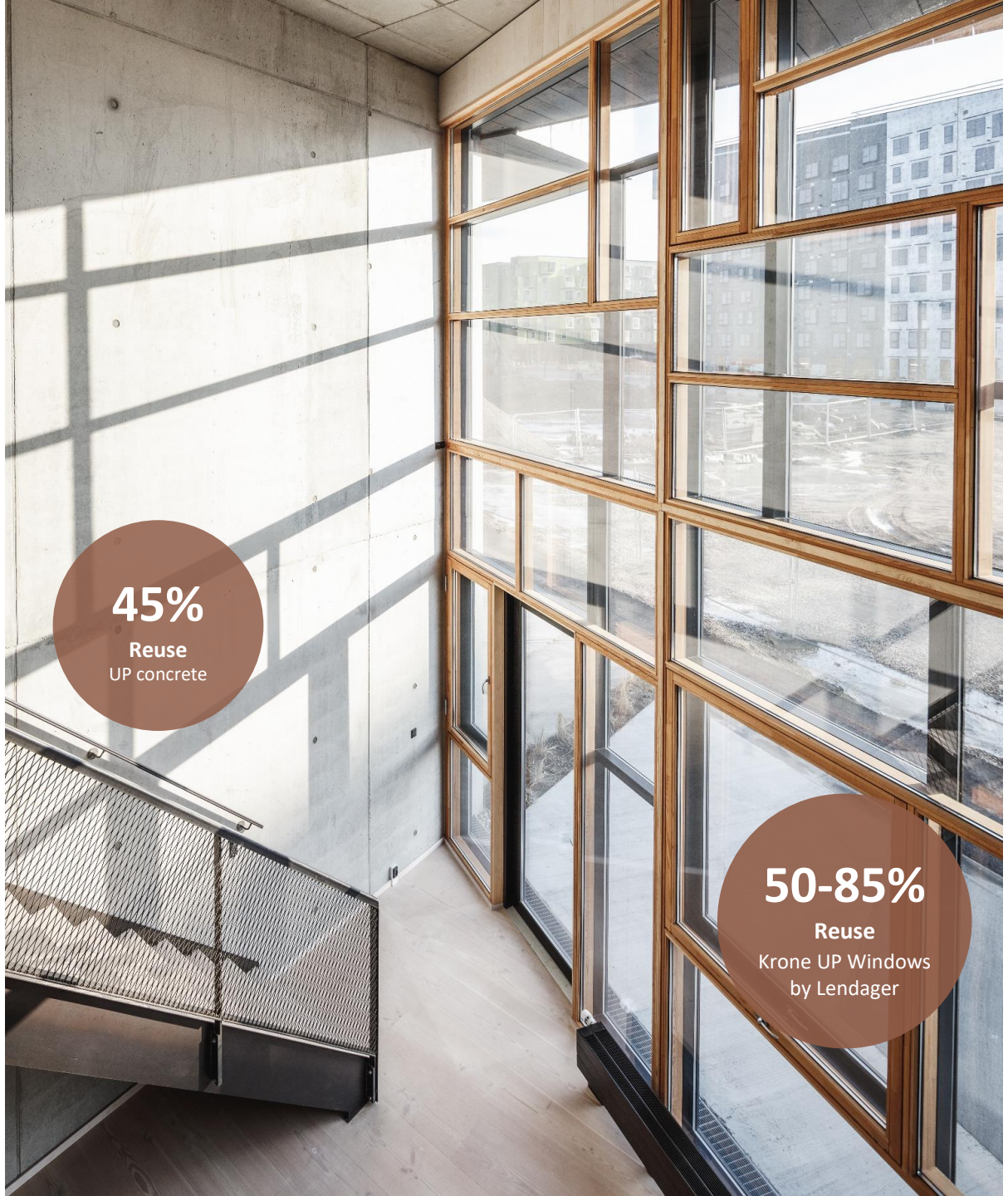

Bolig

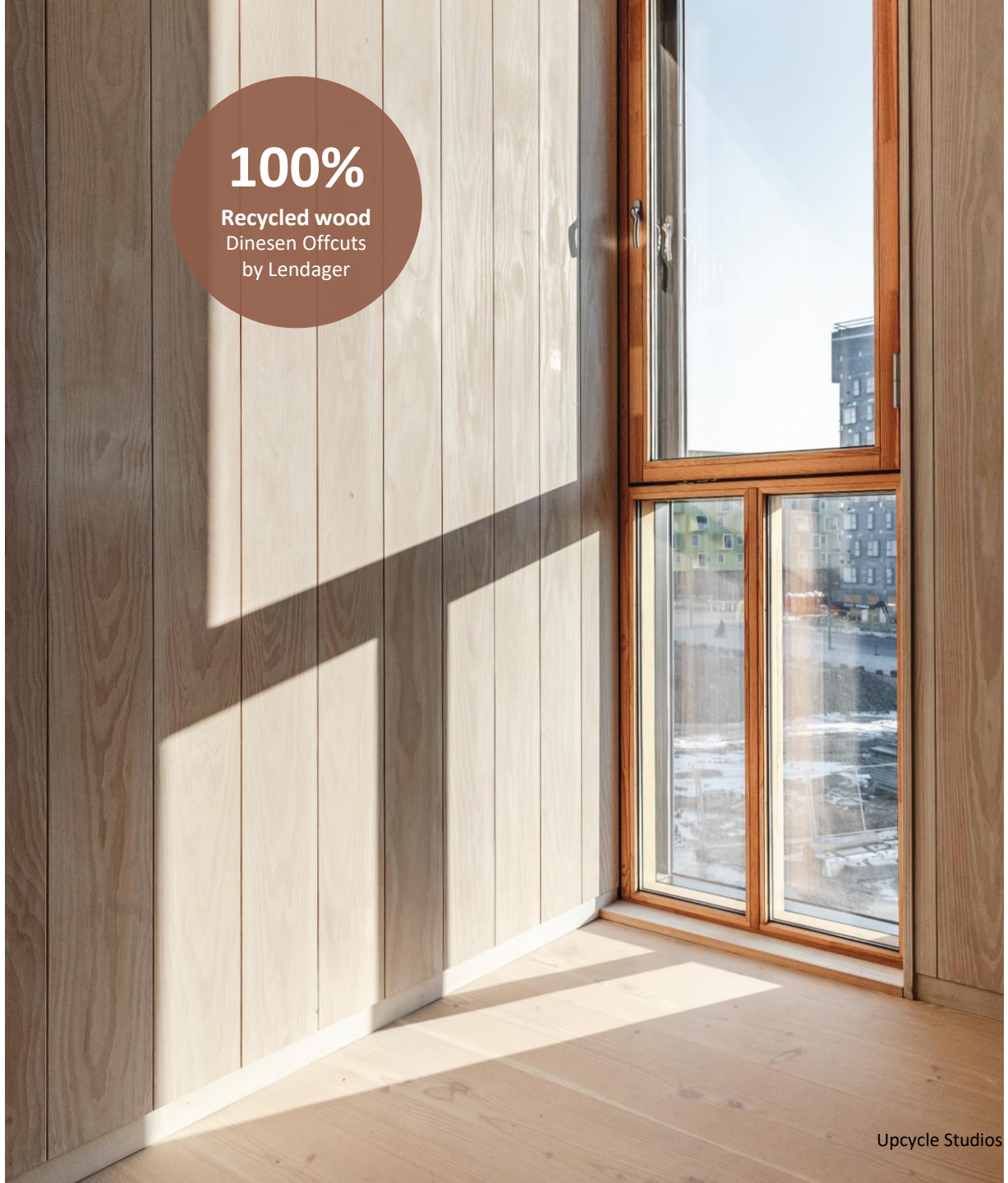
CO2 SAVING



87%
CO-besparelse opnået

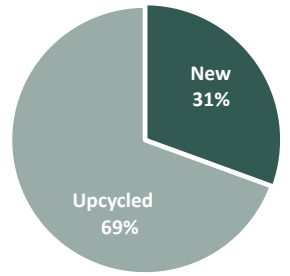
91%
CO-besparelse ved optimering



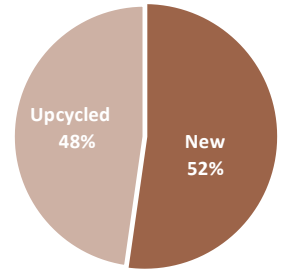


Upcycle Studios

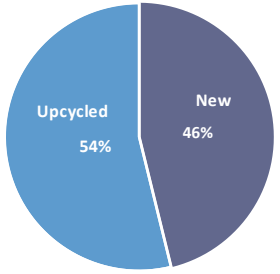
Material distribution by weight



CO2-eq distribution



Cost distribution



UPCYCLE STUDIOS

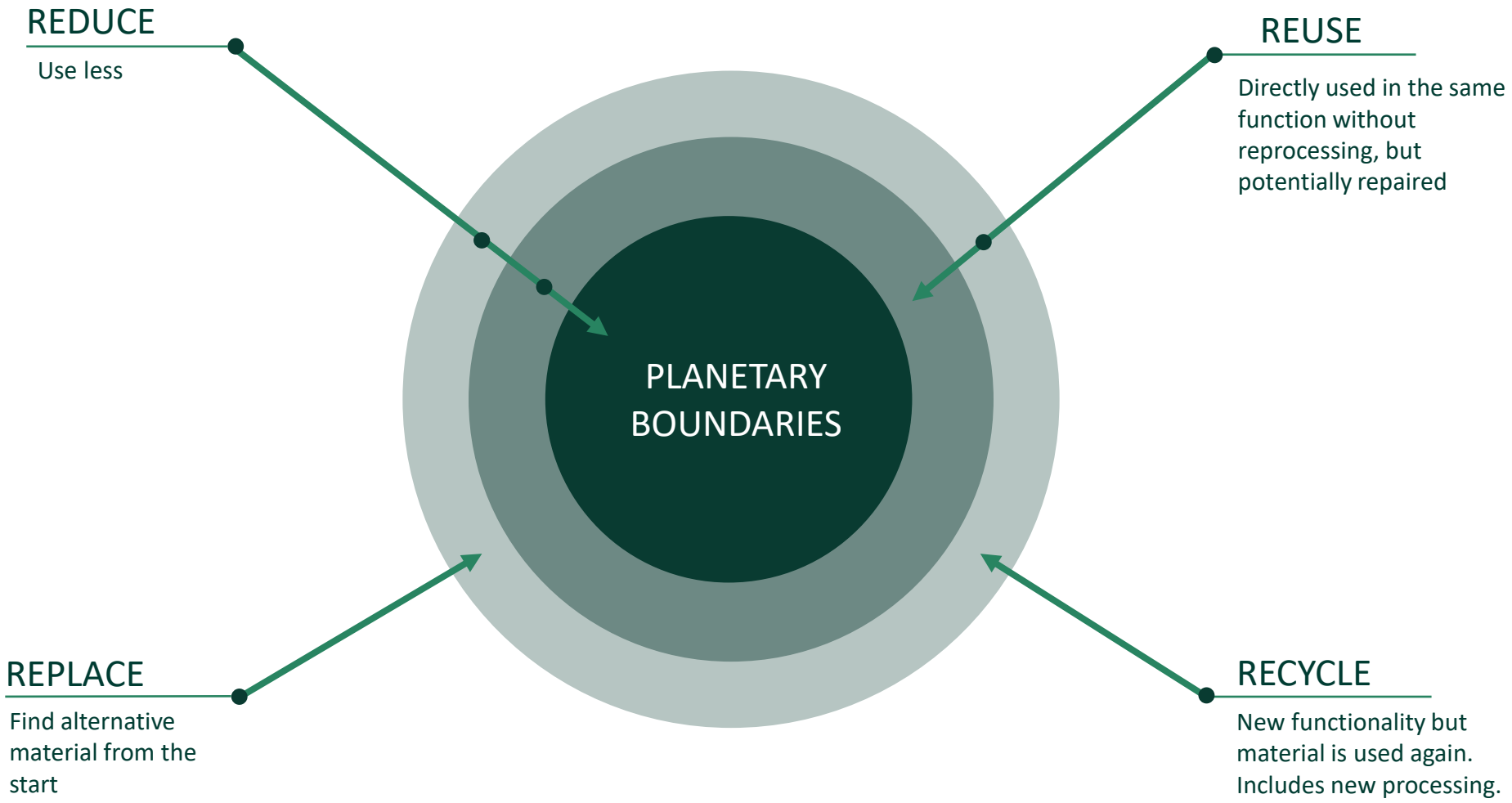
65 tonnes CO_2-eq
45 % saving

914 tonnes waste in total

488 kg CO_2-eq per year
53 % saving

RETHINK

The 4R's - The Circular Way



Jorden er rund.

Vores handlinger
påvirker planeten, og det
påvirker vores mulighed for at
trives på planeten.

The Circular Way.com

The Circular Way by Ditte Lysgaard Vind