




CITY OF CALGARY
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IN COUNCIL CHAMBER
MAY 31 2022
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Distrib-Presentation
CITY CLERK'S DEPARTMENT

Power the makers of a **Zero Carbon Future**

www.oneclicklca.com

Why?



**Building Stock is Expected
to GROW**

2x in 30 Years

An aerial photograph of New York City, showing the dense skyline of skyscrapers in the background and Central Park in the foreground. The image is dark and serves as a background for the text.

**That's Equivalent to
1 NYC per Month**

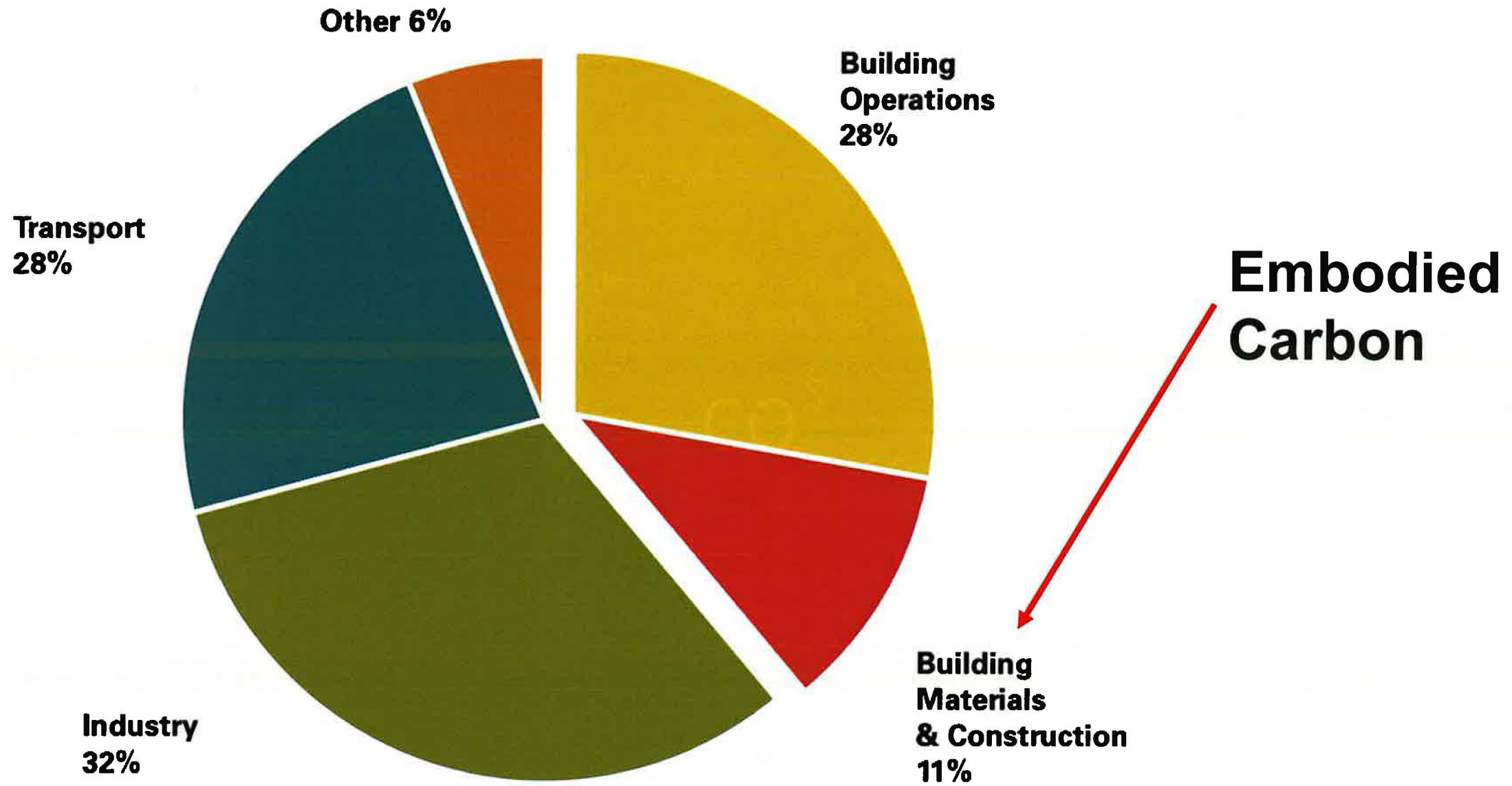


Cities expected to
double by 2050

CO₂

Creating an additional 230
gigatons of embodied carbon

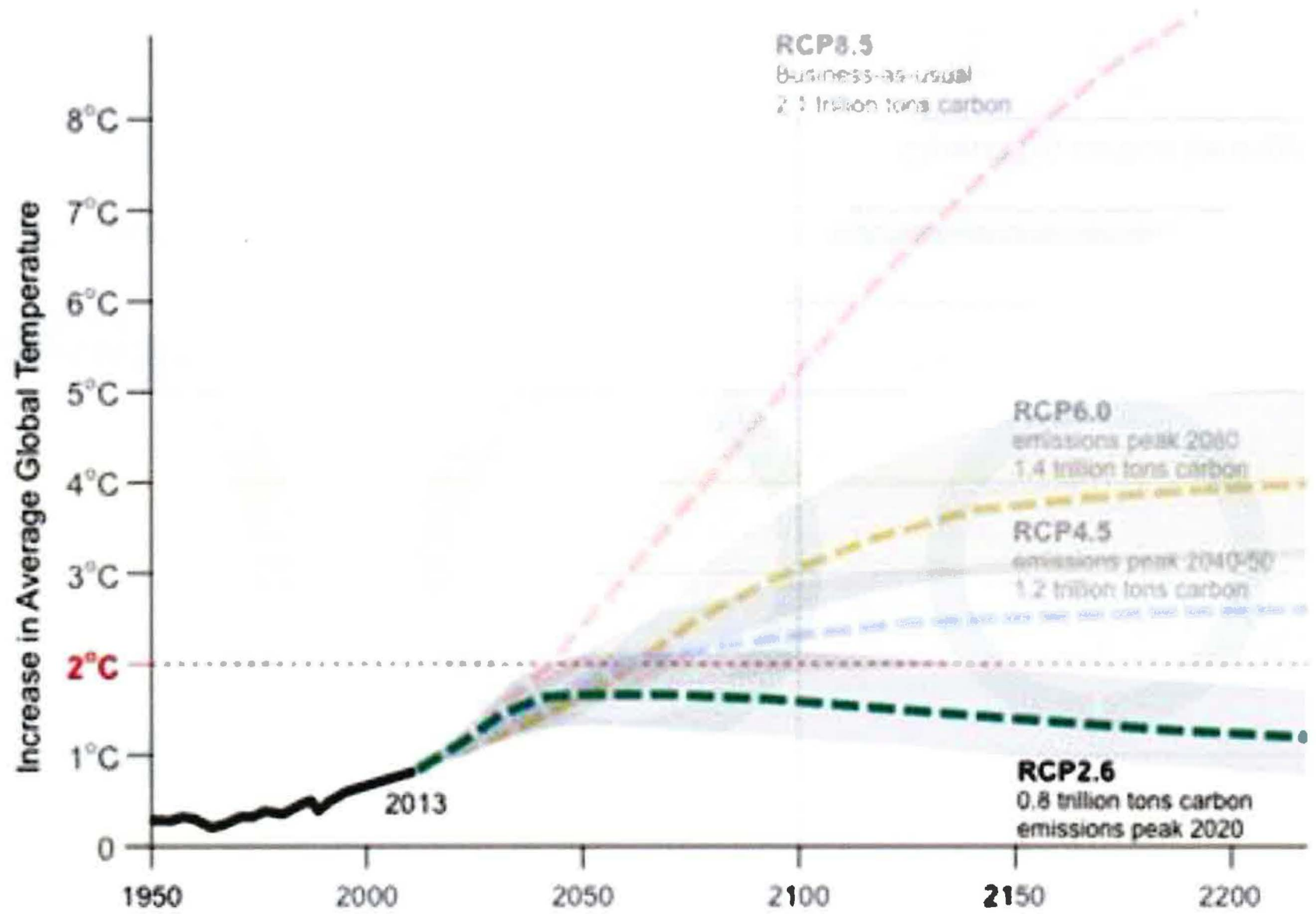






■ Embodied carbon, (materials)

■ Operating carbon (energy)

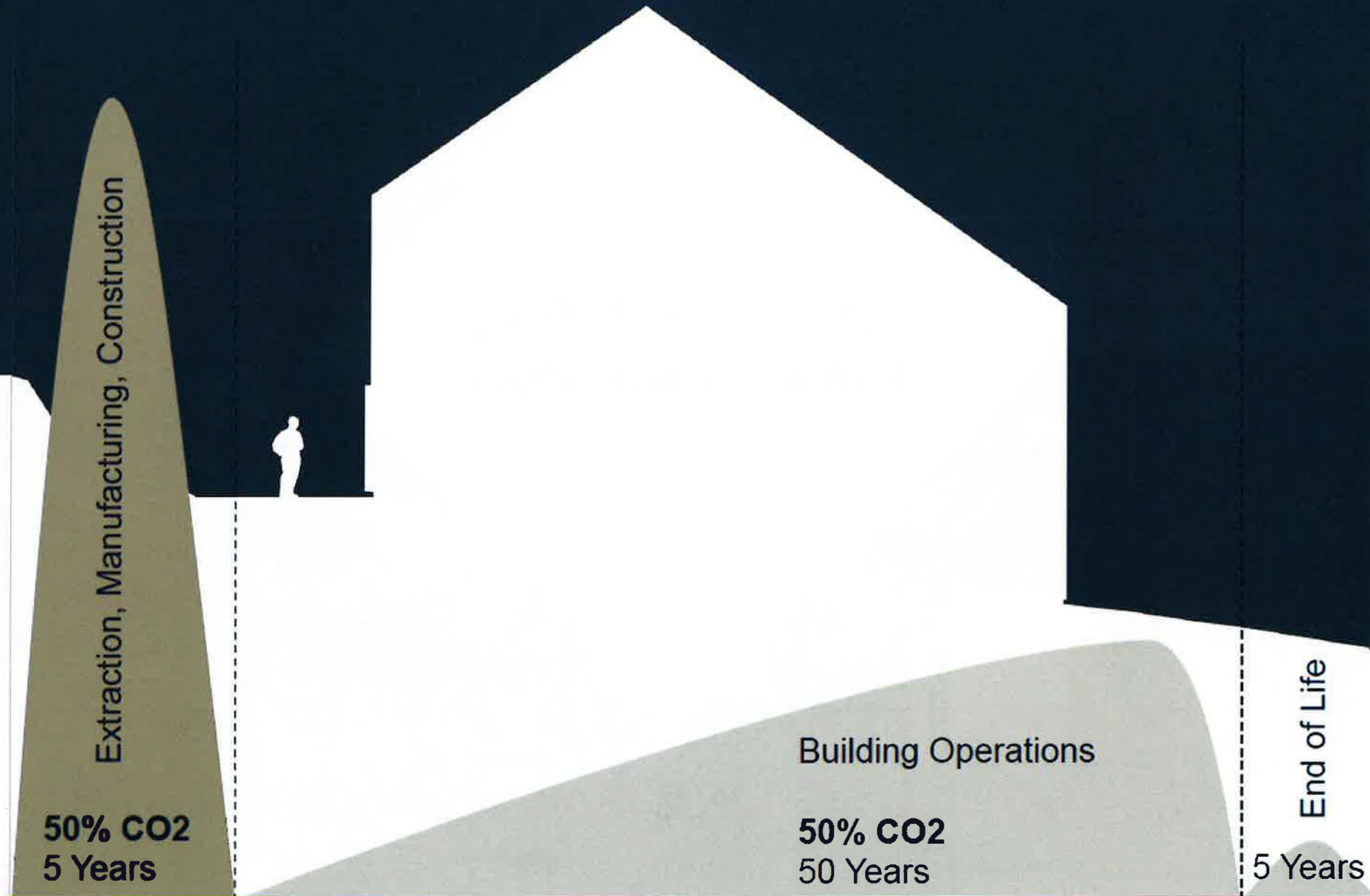


Global Temperature Projections for various RCP Scenarios

Source: Architecture 2030; Adapted from IPCC Fifth Assessment Report, 2013
 Representative Concentration Pathways (RCP), temperature projections for SRES scenarios and the RCPs.



Embodied Carbon is Happening Now





**Infrastructure and
Business Value**



Human Rights

Embodied Carbon

Carbon (and CO₂ equivalent) emissions associated with raw materials extraction, manufacturing, transport, and end of life of **buildings and building products.**

Why Focus on Embodied Carbon?

- **The science is done - We know the impacts and importance**
- **We can effectively measure this**
- **Very good tools available**
- **It only needs policy and mindset shift**

Other Municipalities are Adopting Embodied Carbon Analysis

- **Vancouver - All building permit approvals**
- **Toronto - Currently zoning changes - Soon to follow Vancouver**
- **Edmonton - All municipal owned buildings**
- **Many others around the world**

Cost or Opportunity?

- **Immediate aggressive action can grow the global economy by \$43 Trillion USD**





VS

- **Inaction has the potential to COST \$178 Trillion USD**


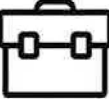

[Deloitte](#) - Economic modeling shows unchecked climate change could ravage every region of the global economy; decarbonizing by midcentury could net \$43 trillion over 50 years.

How does One Click LCA decarbonize global construction?

SOFTWARE

			
BUILDING DESIGN & CONSTRUCTION	INFRASTRUCTURE & CITY PLANNING	PRODUCT MANUFACTURERS	GHG REPORTING FOR COMPANIES

SERVICES

		
TRAINING	CONSULTING	CUSTOM TOOLS

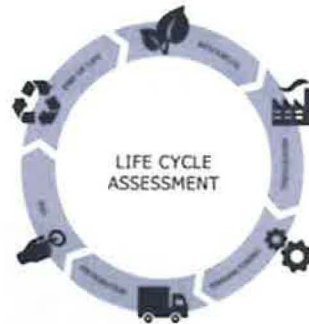
POLICY

			
THE EMBODIED CARBON REVIEW EMBEDDED CARBON REDUCTION IN HIGH-REGULATION & RATING SYSTEMS GLOBALLY	DRAMATICALLY REDUCING EMBODIED CARBON AN EMISSIONS AND COSTS TOOL FOR THE CONSTRUCTION INDUSTRY	LOW-CARBON ALUMINIUM SOLUTION FOR SUSTAINABLE LOW-CARBON BUILDINGS & INFRASTRUCTURE	BEST PRACTICES FOR DECARBONISING CONSTRUCTION CONTRACTS Share your best practices by 9 October, 2020
			

Powering your Sustainability Strategy



EASY TO USE



- Circularity Assessment
- Life Cycle Costing
- Embodied carbon reduction

HOLISTIC SET OF TOOLS



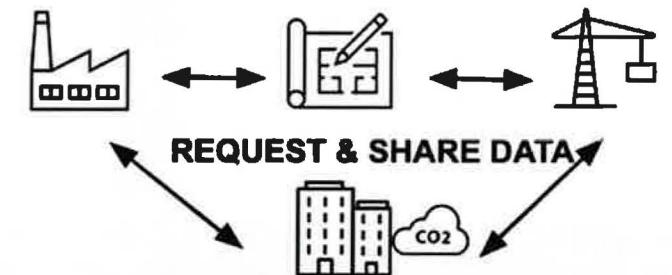
INTEGRATES TO ANYTHING



GLOBAL DATA



ARRAY OF STANDARDS

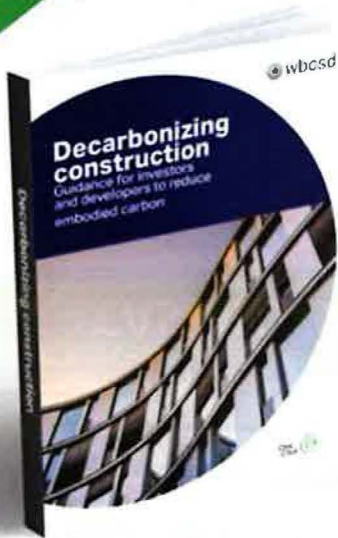


SHARE PROJECTS & MANAGE PORTFOLIOS

COVERS THE VALUE CHAIN

Ebooks & Research

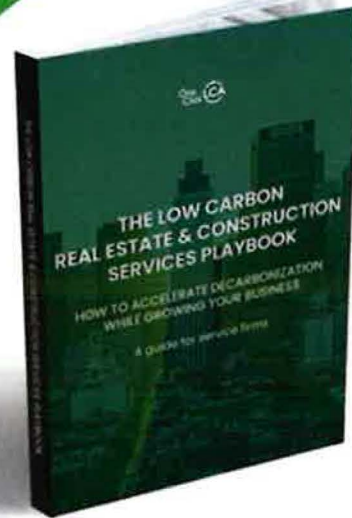
NEW



Decarbonizing Construction

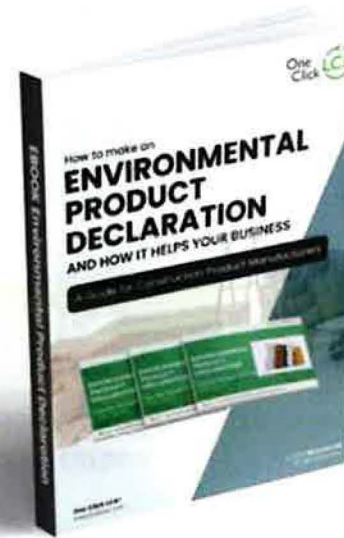
Guidance for investors and developers to reduce embodied carbon

NEW



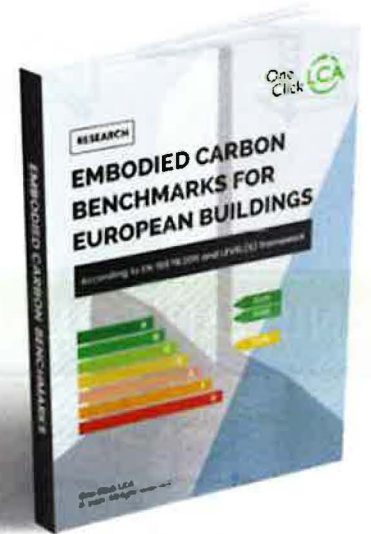
Low Carbon Real Estate & Construction Services Playbook

Inspiration for service companies



Environmental Product Declaration

Ebook



Embodied Carbon Benchmarks for European Buildings

Research

Incorporate Embodied Carbon into your Climate Strategy



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