

An architectural rendering of a climate innovation facility. In the foreground, a large industrial building features a multi-level structure with numerous circular air intake vents, labeled 'DAC' on a yellow vertical tank. Several blue trucks with 'DAC soda' branding are parked in a loading dock area. The facility is surrounded by green spaces, trees, and a parking lot with cars and a yellow school bus. In the background, a residential neighborhood is visible, followed by a line of wind turbines on a distant hill under a blue sky with scattered clouds.

CLIMATE INNOVATION

Gensler

Sep 2023



HELLO

NAOMI SAKAMOTO

Senior Associate

Studio Leader

EU Region Practice Lead - Technology

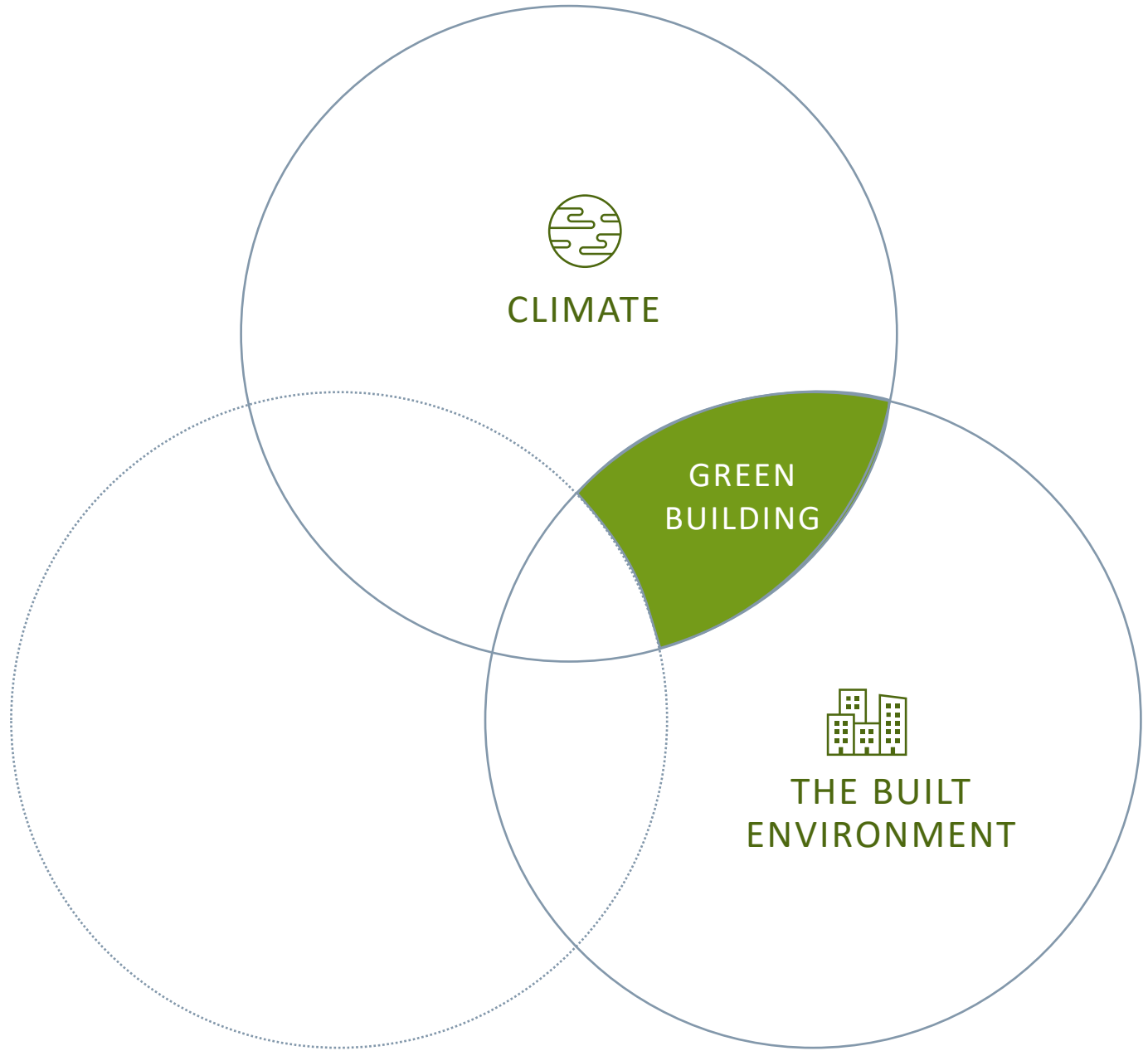
A woman with long blonde hair, wearing a black t-shirt and light grey pants, stands next to a large, lush vertical garden wall. The wall is filled with various green plants, including ferns and leafy greens, growing in a wooden planter box. The background shows a modern building with a grey wall and a white pillar.

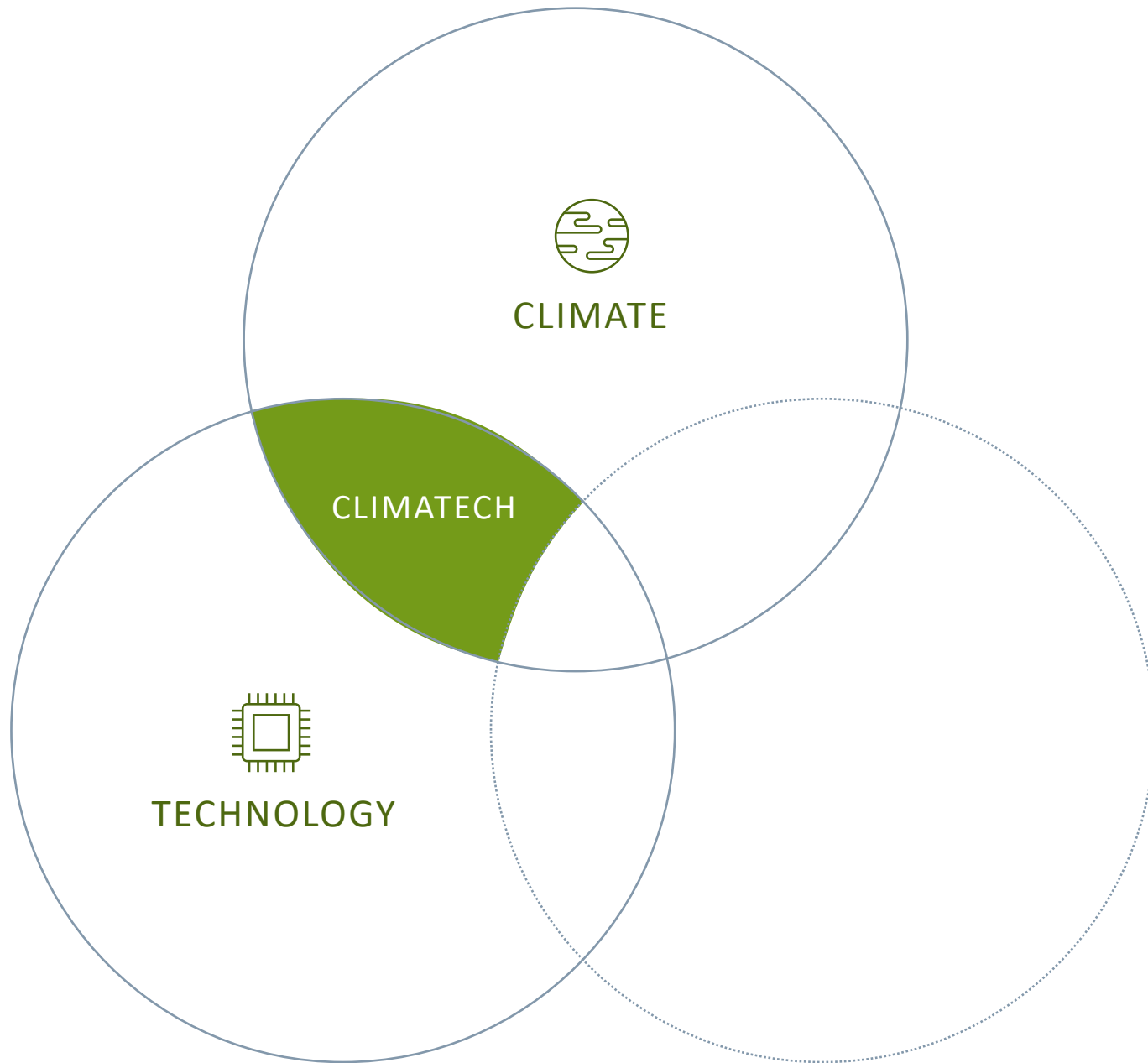
ON THE ONE HAND...

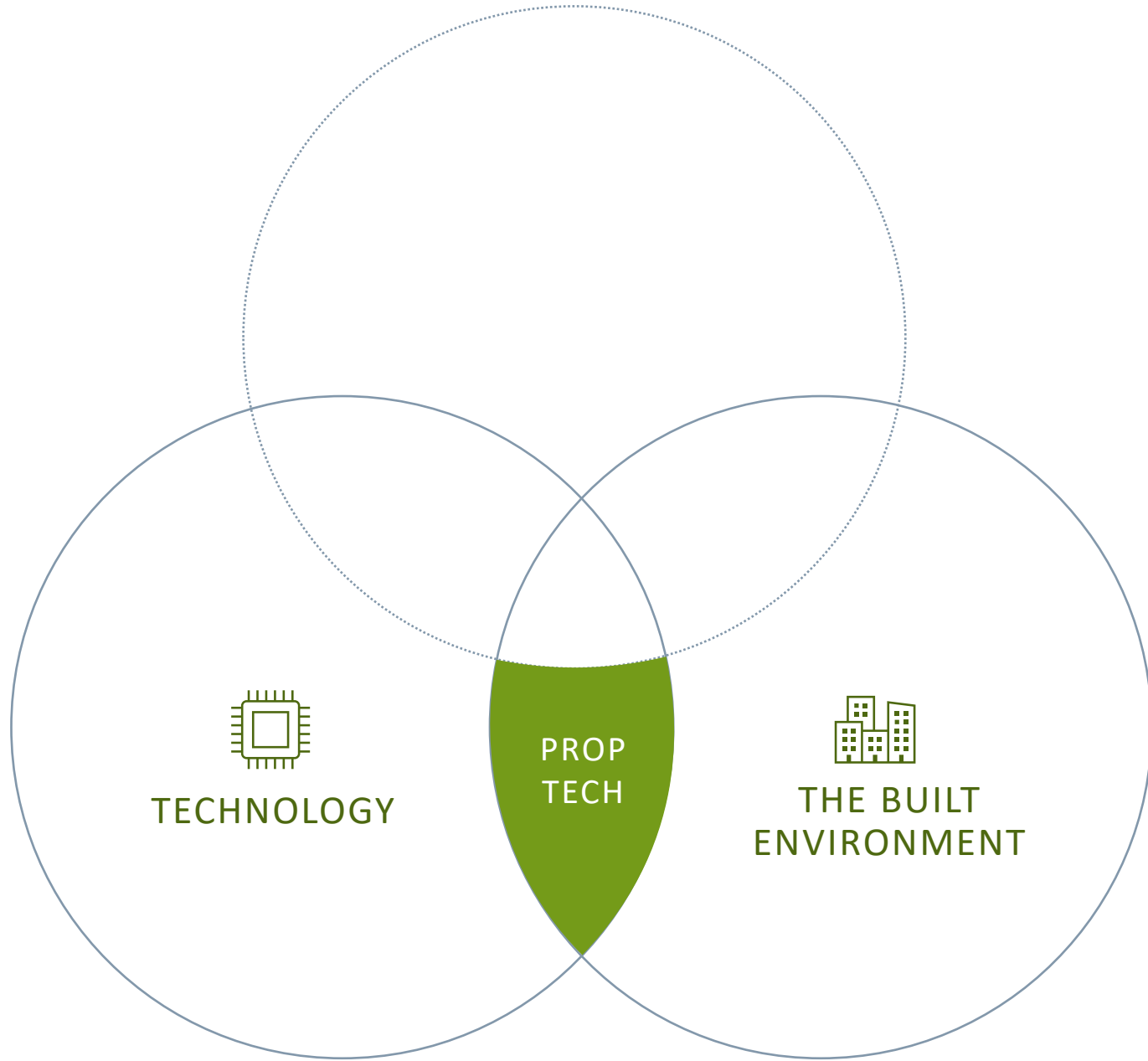
I work in the built environment which is responsible for 40% of our global carbon footprint.

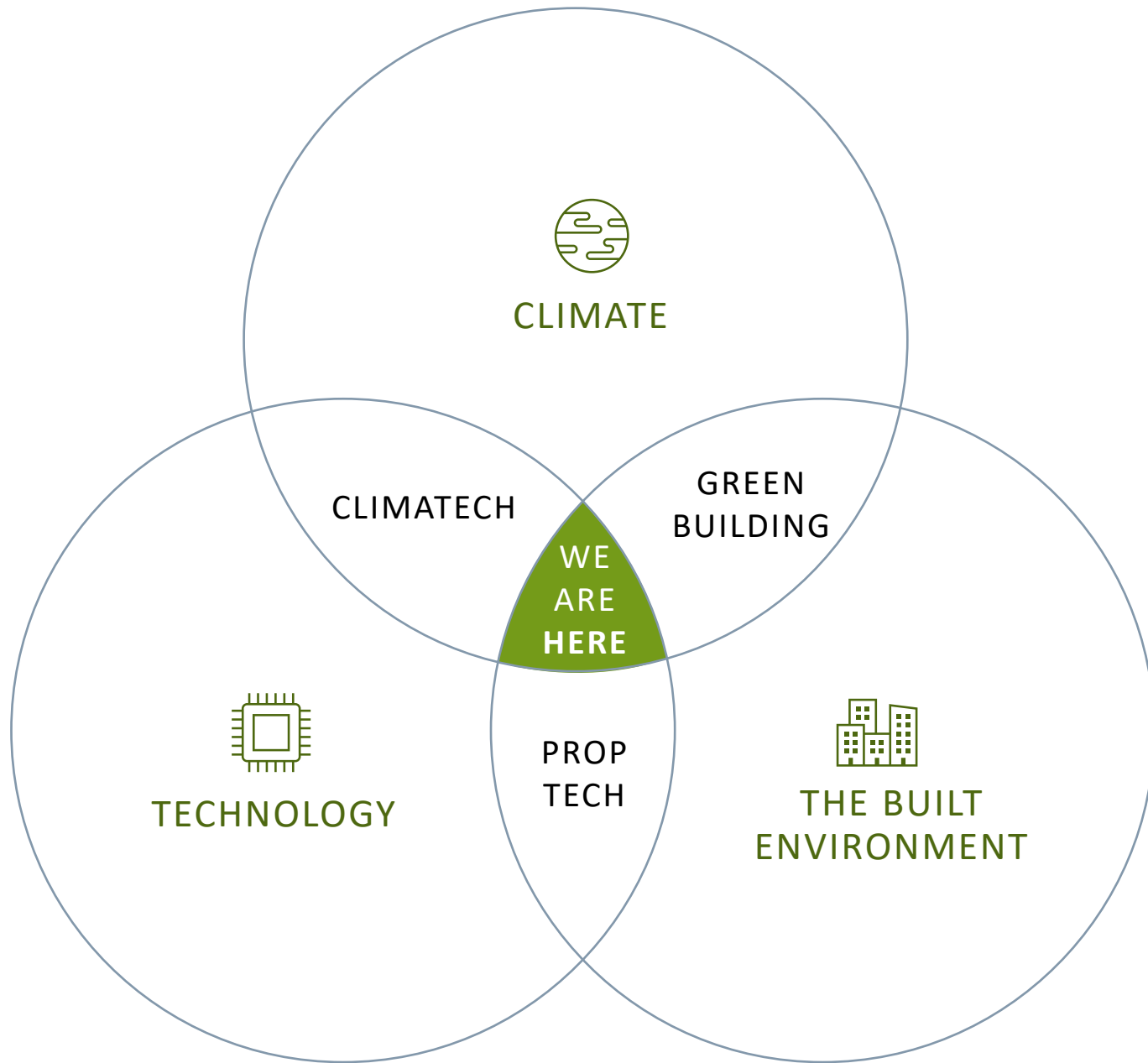
...BUT ON THE OTHER

I work with tech clients, who have endless confidence in the potential of technology to solve our problems.





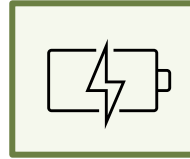






Buildings

+



Systems

+



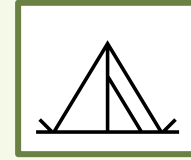
Materials



BUILDINGS

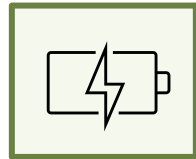


from
Form

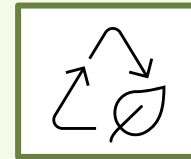


to
Shelter

SYSTEMS



from
Consumer

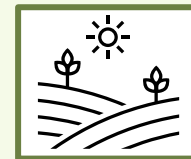


to
Regenerator

MATERIALS



from
Extract



to
Harvest

BUILDING SCALE

FEWER, BETTER BUILDINGS



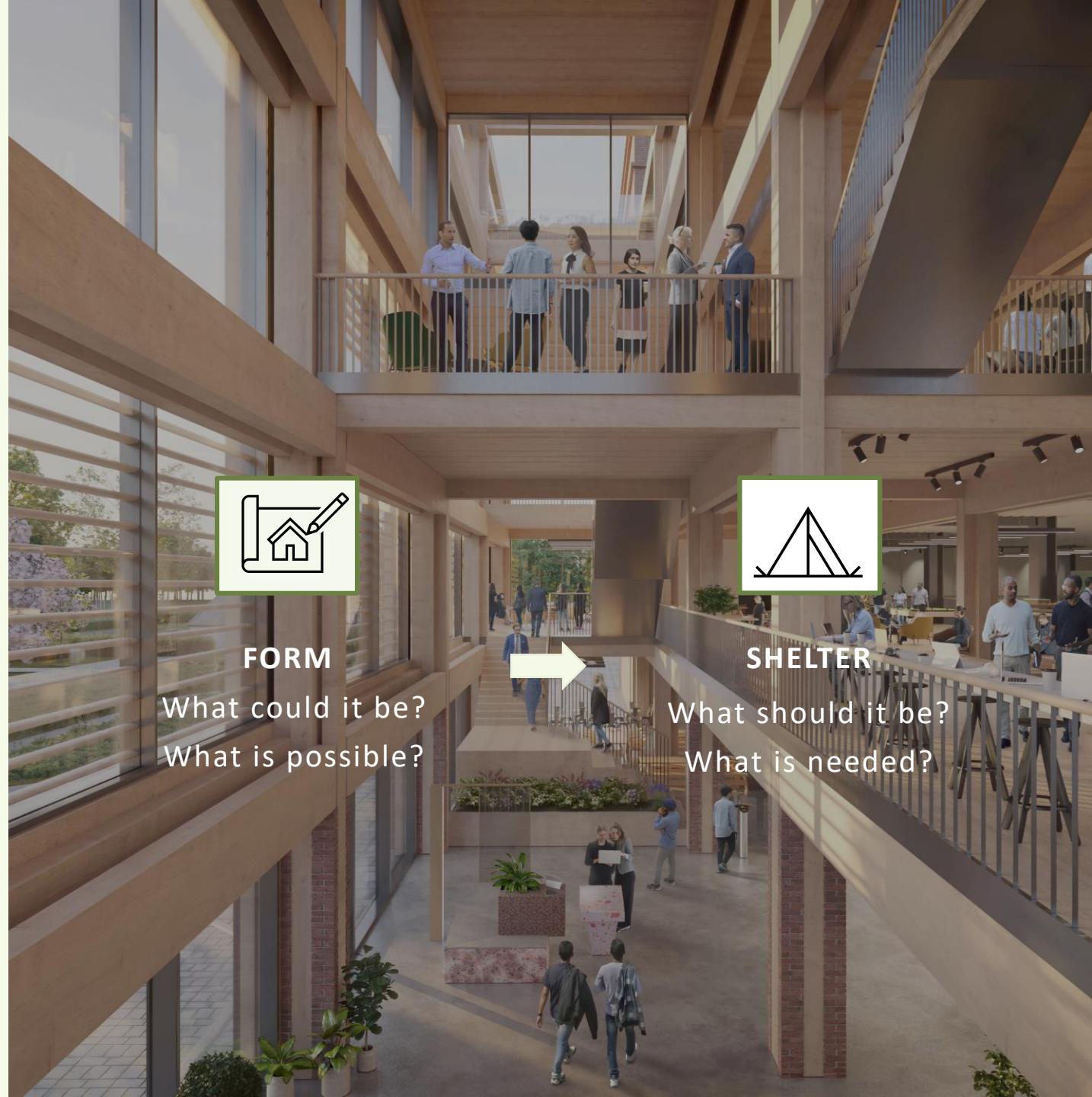
FORM

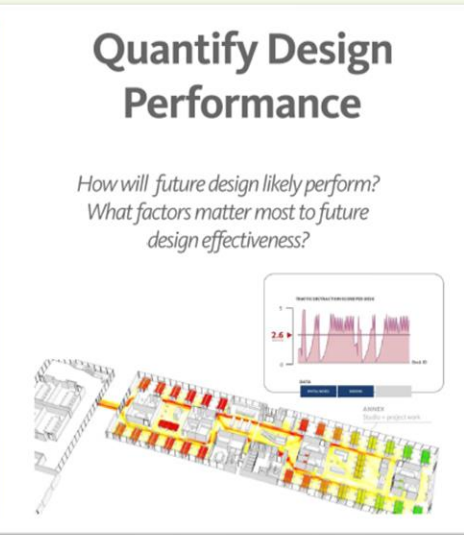
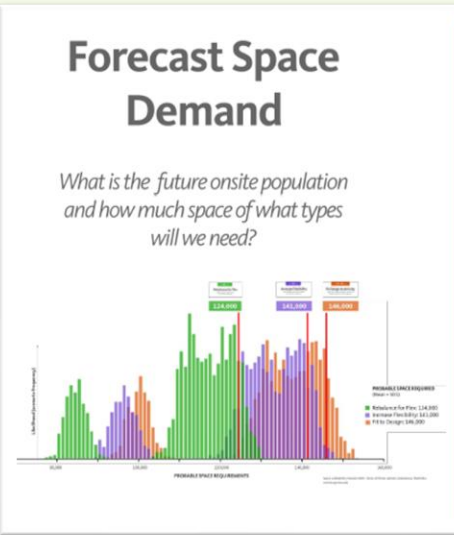
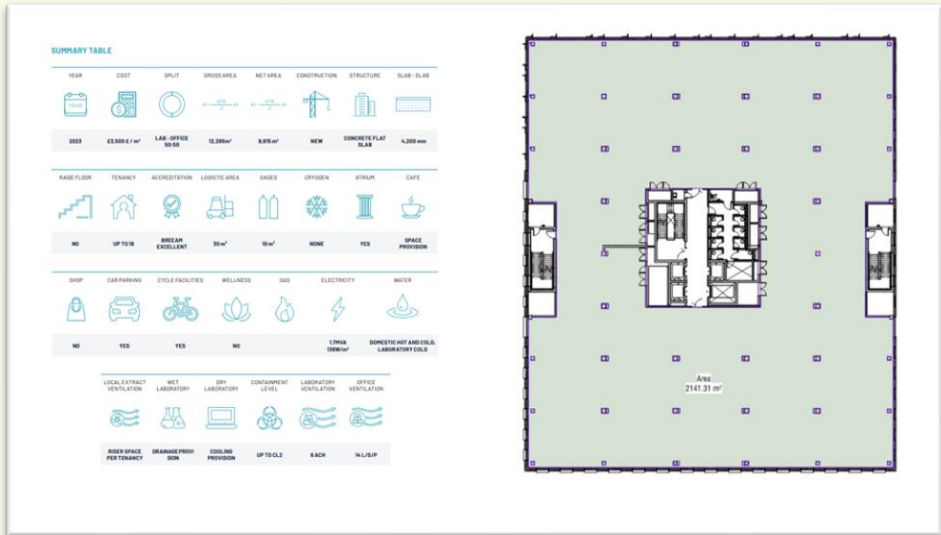
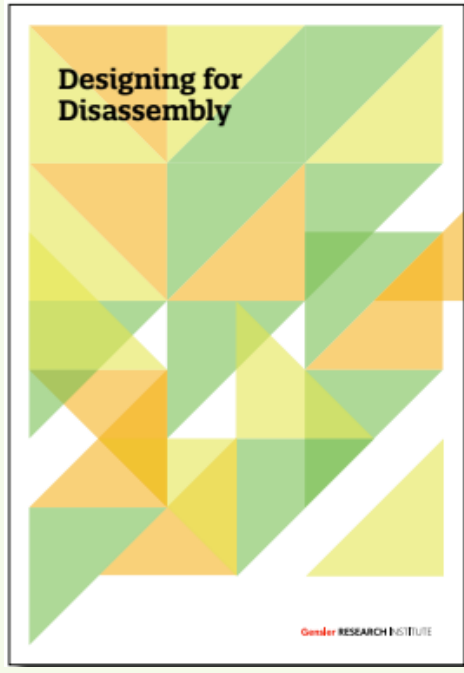
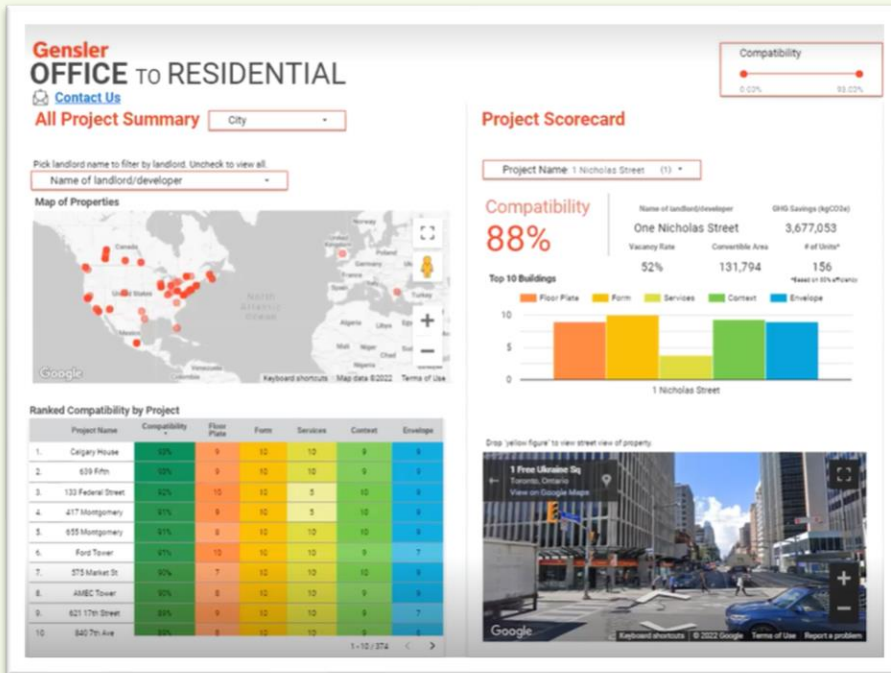
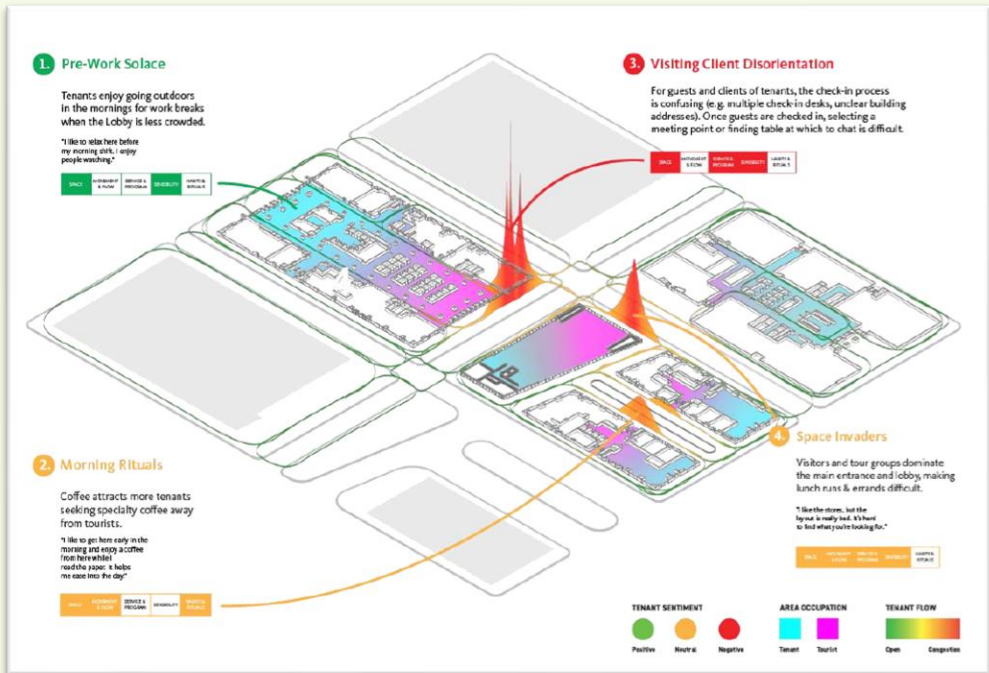
What could it be?
What is possible?



SHELTER

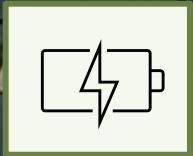
What should it be?
What is needed?



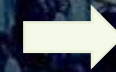


SYSTEMS SCALE

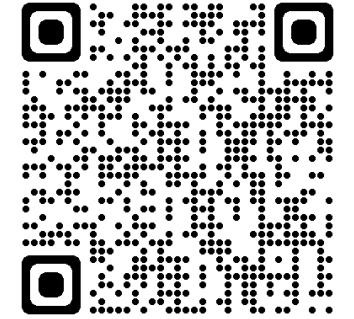
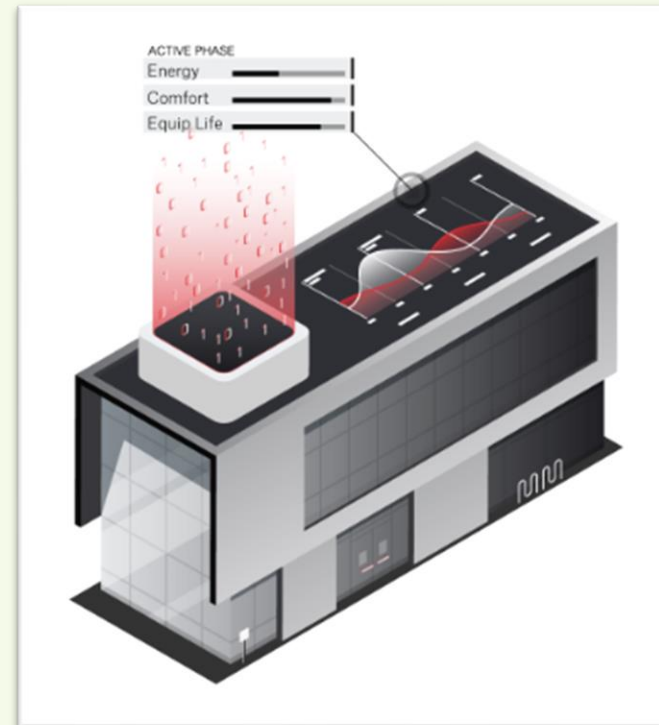
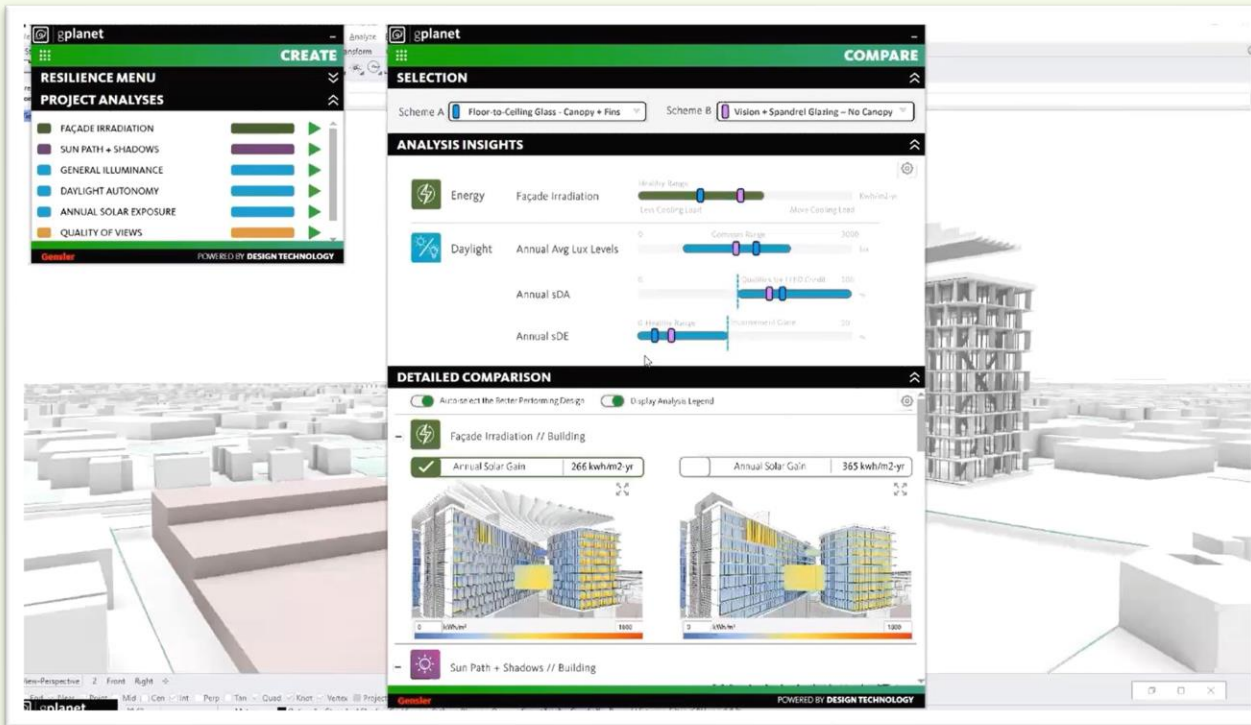
BUILDING THE FLYWHEEL



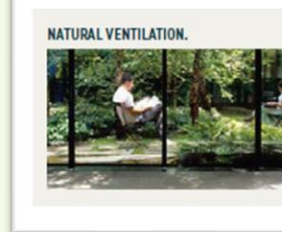
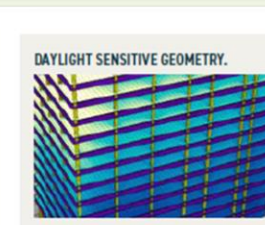
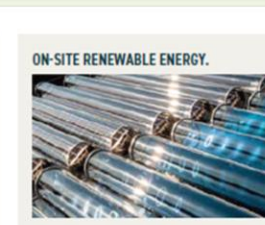
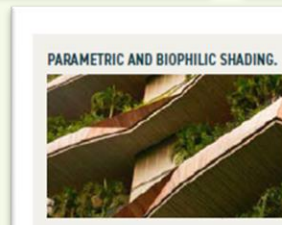
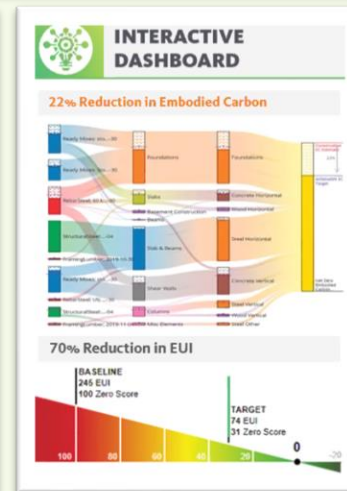
CONSUMER
One-way system
Compromises



REGENERATOR
Systems thinking
Opportunities

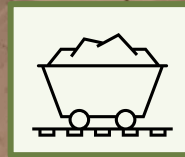


LEARN MORE ABOUT
BRAINBOX AI HERE



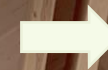
MATERIAL SCALE

**BEGIN WITH
THE NEXT BEGINNING
IN MIND**



EXTRACT

What is cheapest?
Cradle to gate



HARVEST

What is best?
Cradle to cradle

Acoustic Ceiling Tiles, Panels, and Suspension Grids

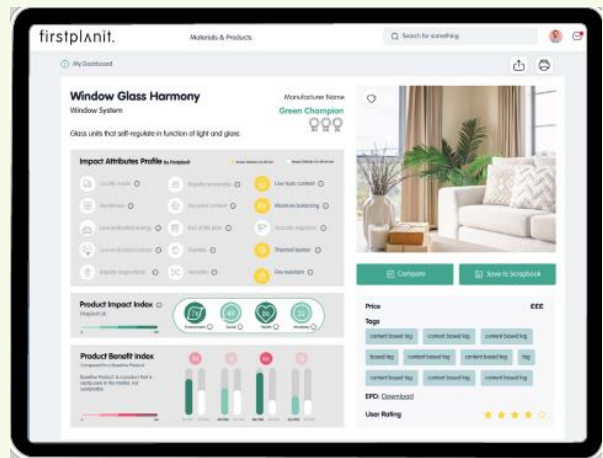
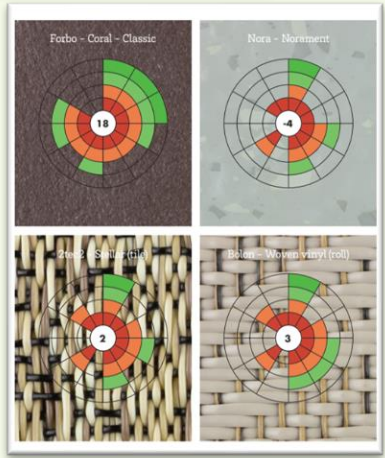
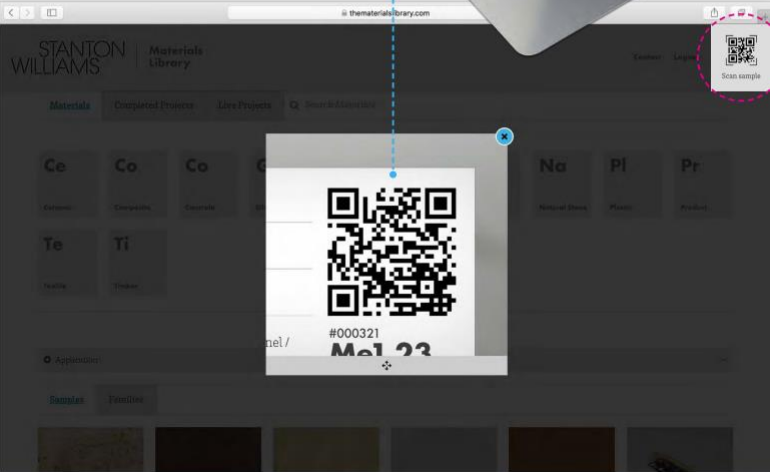
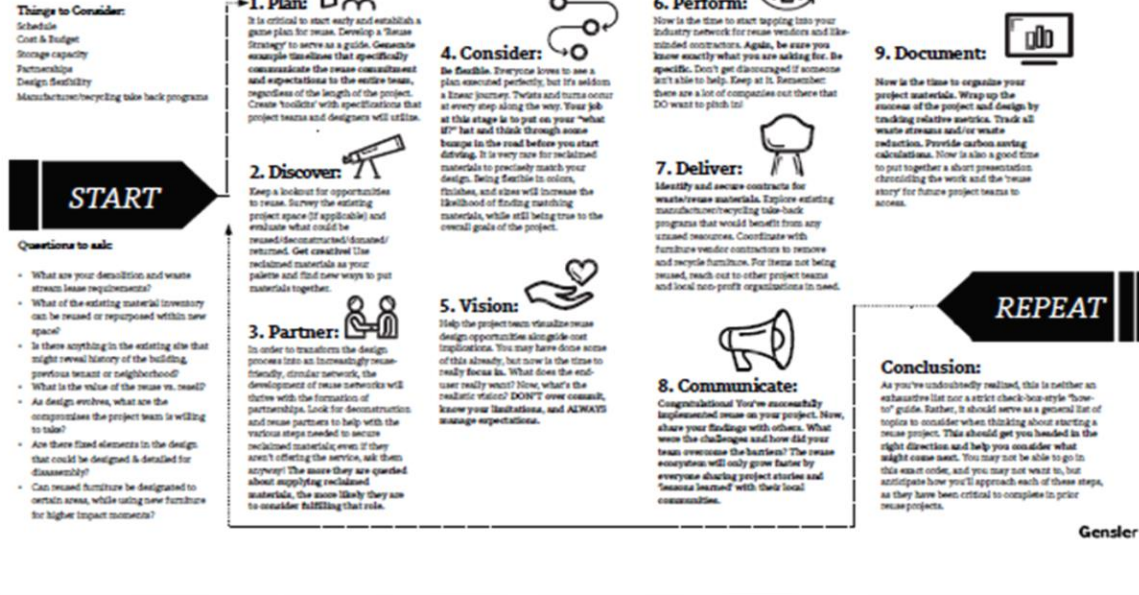
CSI Divisions: 09 51 13, 09 51 23

Applicable to: Acoustical ceiling tiles and panels, Suspension grids and trim.

Not applicable to: Acoustical metal ceilings, linear metal ceilings, wood ceilings, felt ceiling systems.

| Organizational Commitments | Multi-Attribute Certifications | Life-Cycle Impacts | Indoor Air Impacts | Material Health & Transparency |
|---|---|---|--|--------------------------------|
| <p>AIA Materials Pledge Impact Areas</p> <p>Select any of the items below that align with your industry and/or organizations goals:</p> <p>ESG Statement or CSR Report This satisfies the Sustainability Action Plan Requirement</p> <p>UN Global Compact</p> <p>Supply Chain Transparency</p> <p>Global Reporting Initiative (GRI)</p> <p>Foundation for Climate Friendly Procurement and Business (SKAO)</p> <p>Science Based Targets Initiative (SBTi)</p> | <p>Select any of the items below that align with your industry and/or organizations goals:</p> <p>Living Product Challenge 2.0 (LPC)</p> <p>Cradle to Cradle v4 (C2C)</p> <p>NaturePlus</p> <p>Der Blaue Engel (Blue Angel)</p> | <p>Global Warming Potential (GWP) kg of CO₂ eq per functional unit from stage A2-A3 Tiles and Panels: ≤3.1 kg of CO₂ eq per m²</p> <p>LCA Optimization As defined by LEED v4.1</p> <p>Third-Party Verified Biobased Content e.g. Ok TUV Certified Bio-Based Content</p> <p>Warranty Provide documentation indicating warranty extensions and product's anticipated lifespan.</p> <p>End of Life Options Manufacturer Take-Back Program</p> | <p>BREEAM Hea 02 Indoor Air Quality</p> <p>Ingredient Disclosure</p> <p>Health Product Declaration (HPD) - 100ppm Living Building Challenge Declare - 100ppm EPFA Material Health Statement - 100ppm UL Product Lens - 100ppm</p> <p>Chemicals of Concern</p> <p>Formaldehyde Free Halogenated Flame Retardants Free PFAS Free Persistent Organic Pollutants (POPs) Free</p> <p>IBC Red List 3.1 Letter of assurance from manufacturer accepted Red List Free</p> <p>Cradle to Cradle Material Health</p> <p>Silver, Gold, or Platinum level certification</p> | |

THE REUSE ROADMAP



LEARN MORE ABOUT FIRSTPLANIT HERE

A photograph of a modern, landscaped courtyard. In the foreground, a wide set of stone steps leads up a grassy slope. The courtyard is filled with various green plants, including ferns and shrubs. Several trees with light-colored bark and dense green foliage are scattered throughout the space. In the background, a modern building with large glass windows and a flat roof is visible. A small, rectangular pond is situated in the middle ground, reflecting the surrounding greenery. The overall atmosphere is serene and natural.

WHAT'S NEXT?

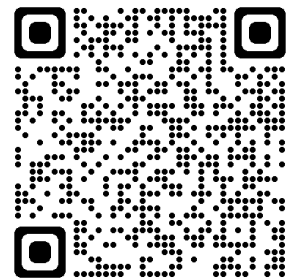


SHELTER

GENSLER + LO-TEK

FROM BUILDING TO GROWING

What if we could grow our buildings?



LEARN MORE ABOUT
JULIA WATSON HERE

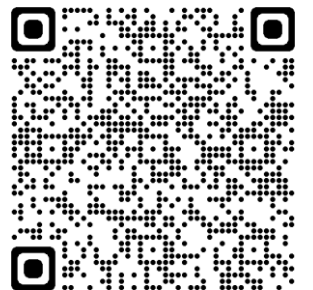


HARVEST

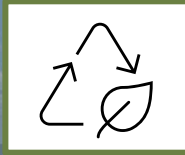
GENSLER + MATERIAL SOURCE

FROM WASTE TO ABUNDANCE

What if our cities were an endless bounty of resources?



LEARN MORE ABOUT
MATERIAL SOURCE HERE

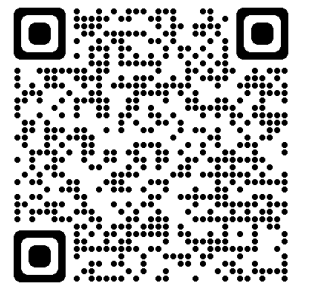


REGENERATE

GENSLER + SOLETAIR POWER

FROM OFFENDER TO PROTECTOR

What if we could reverse the environmental footprint of our built environment?



LEARN MORE ABOUT
BOREALIS HERE

EVOLUTION



November

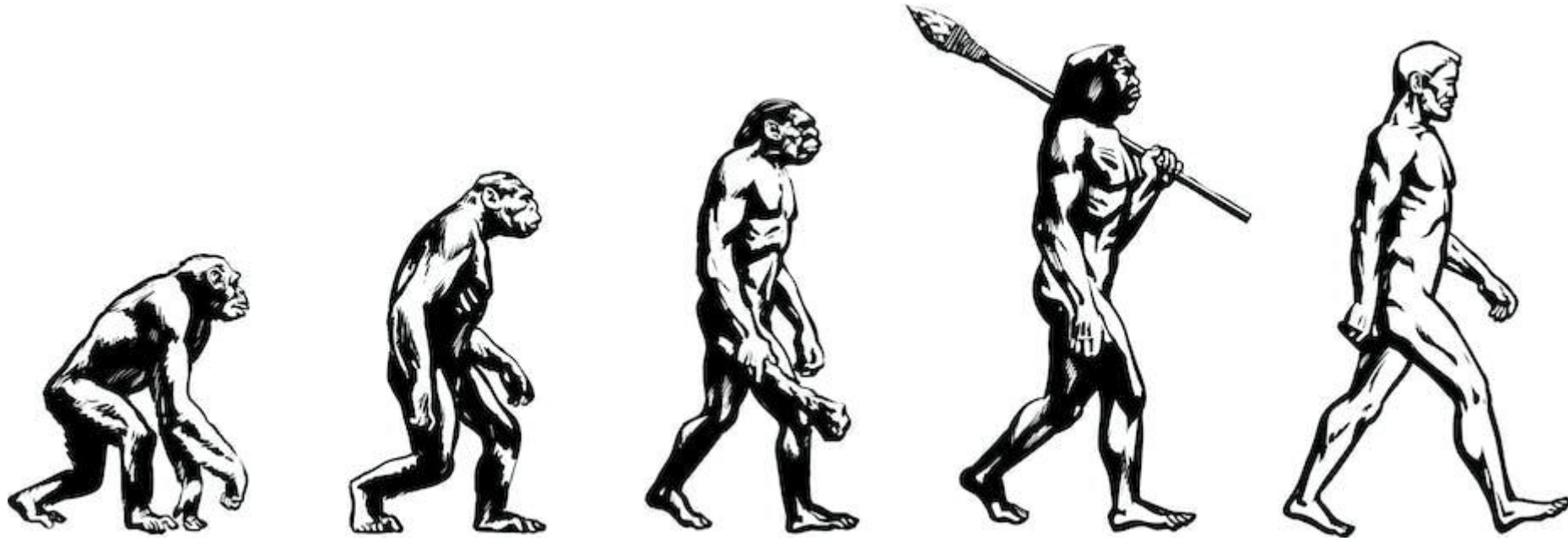
March

April

May

October

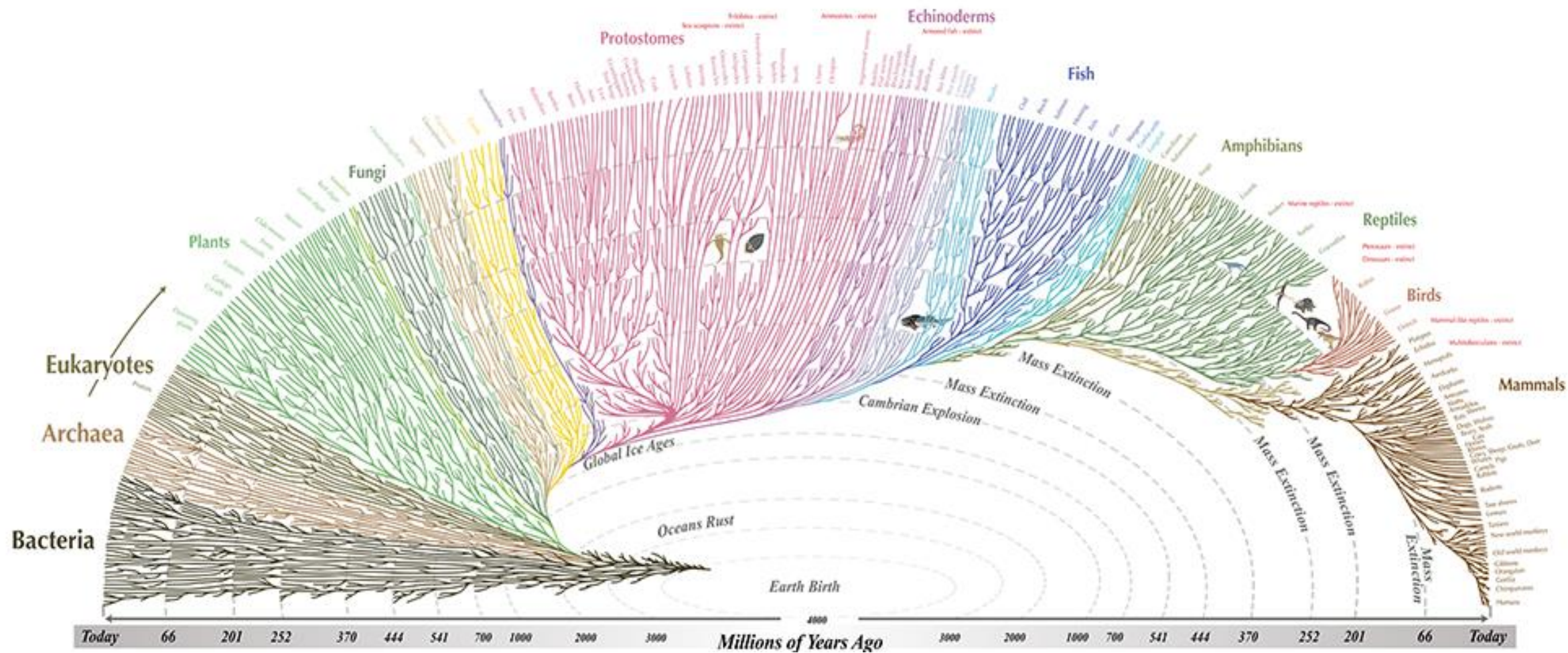
September



Ownership

Access

Stewardship





THANK YOU