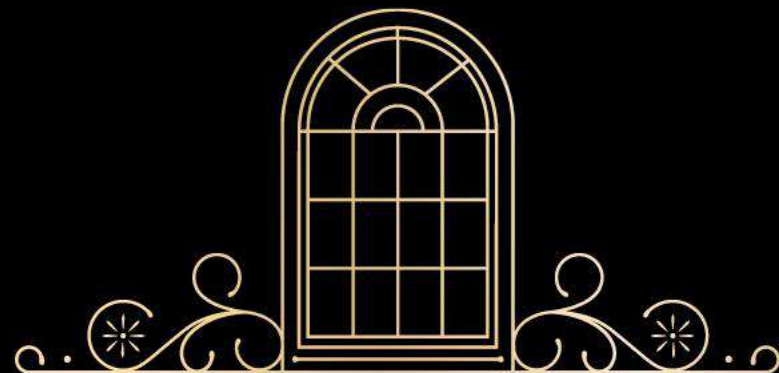




LA
FRENCH
TECH



Maison Janneau

— FRANCE —

August 22, 2023



*Tailor-made wood and steel
windows & doors*

Exclusive French 'gueule de loup' design

*Dedicated to the luxury residential
market across the United-States*

ABF approved*

**France national heritage authorities*



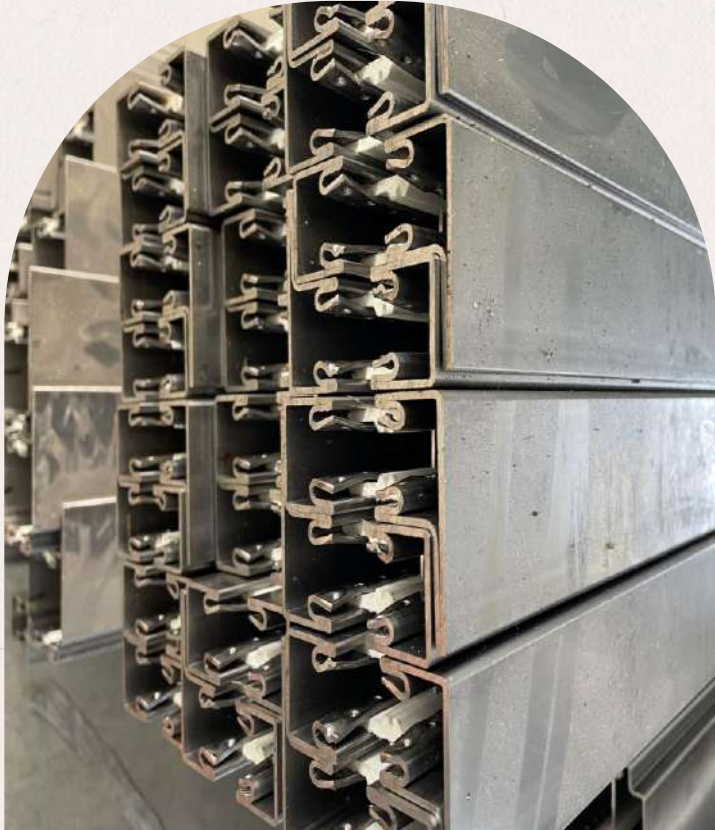
50 years of uncompromised quality...



- Founded in 1973 by Henri Janneau
- \$100 million revenue
- Over 600 employees
- 100,000 windows and doors crafted every year
- Material expertise: wood, vinyl, aluminum, steel.



Tech and sustainability



**LOW CARBON LIFE CYCLE
PRODUCTS**



ENERGY EFFICIENCY & SMART HOME



CASEMENT OPERATING SYSTEM



Lafayette wood range in Oklahoma



Versailles wood range in Paris



Eiffel Steel range in Paris



Maison Janneau,
Your home becomes a Maison



maison-janneau.com



Tech and Buildings

How to balance Wellness and Sustainability with
Indoor Environmental Quality monitoring

How do we **monitor wellness** today?



A woman uses her smartwatch while sitting in the gym.
Artem Varnitsin / Eyeem / Getty Images CNBC (2022)

Activity trackers

Step counting, heart rate, sleep patterns, ...



Food

Photo: Yuka



Outdoor Air Quality

“Wildfire smoke makes New York air quality worst in the world” (Financial Times, 2023)

We spend 90%
of our time
indoors...



where the air is
2 to 5 times worse
than outside¹

¹ according to WHO



40%

of global energy
consumption comes
from buildings



4/5

of today's buildings
will still exist in 2050





Measuring key air quality factors



CO₂



PM₁



PM_{2.5}



TEMP



HUMIDITY



VOC



RADON



PRESSURE



LIGHT/LUX



NOISE

VIRTUAL SENSORS



OCCUPANCY



VIRUS RISK



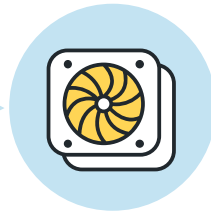
MOLD RISK

3 step process



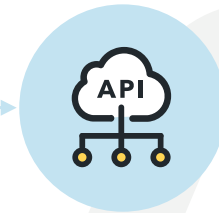
1. Gain insights

Add sensors to your buildings and understand the problem areas, and what you're dealing with, and get a baseline.



2. Test and remediate

Work on different strategies on how to resolve IAQ and energy consumption and test them. Review the results and determine the best course of action.

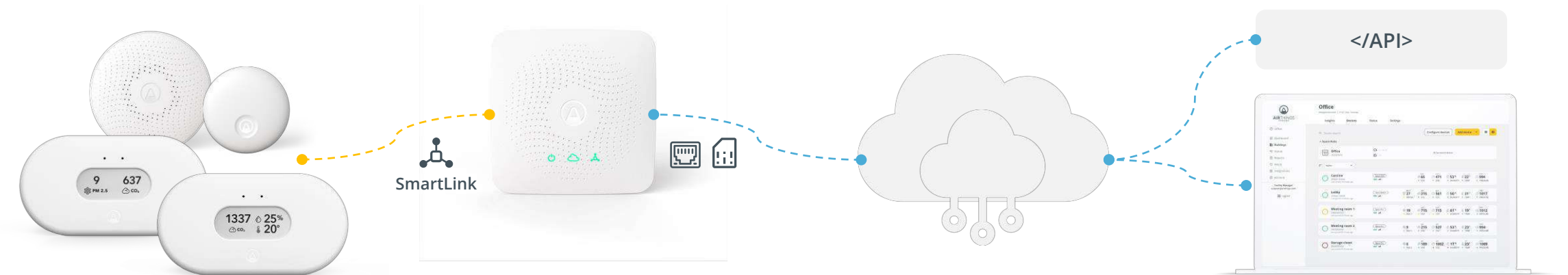


3. Automate

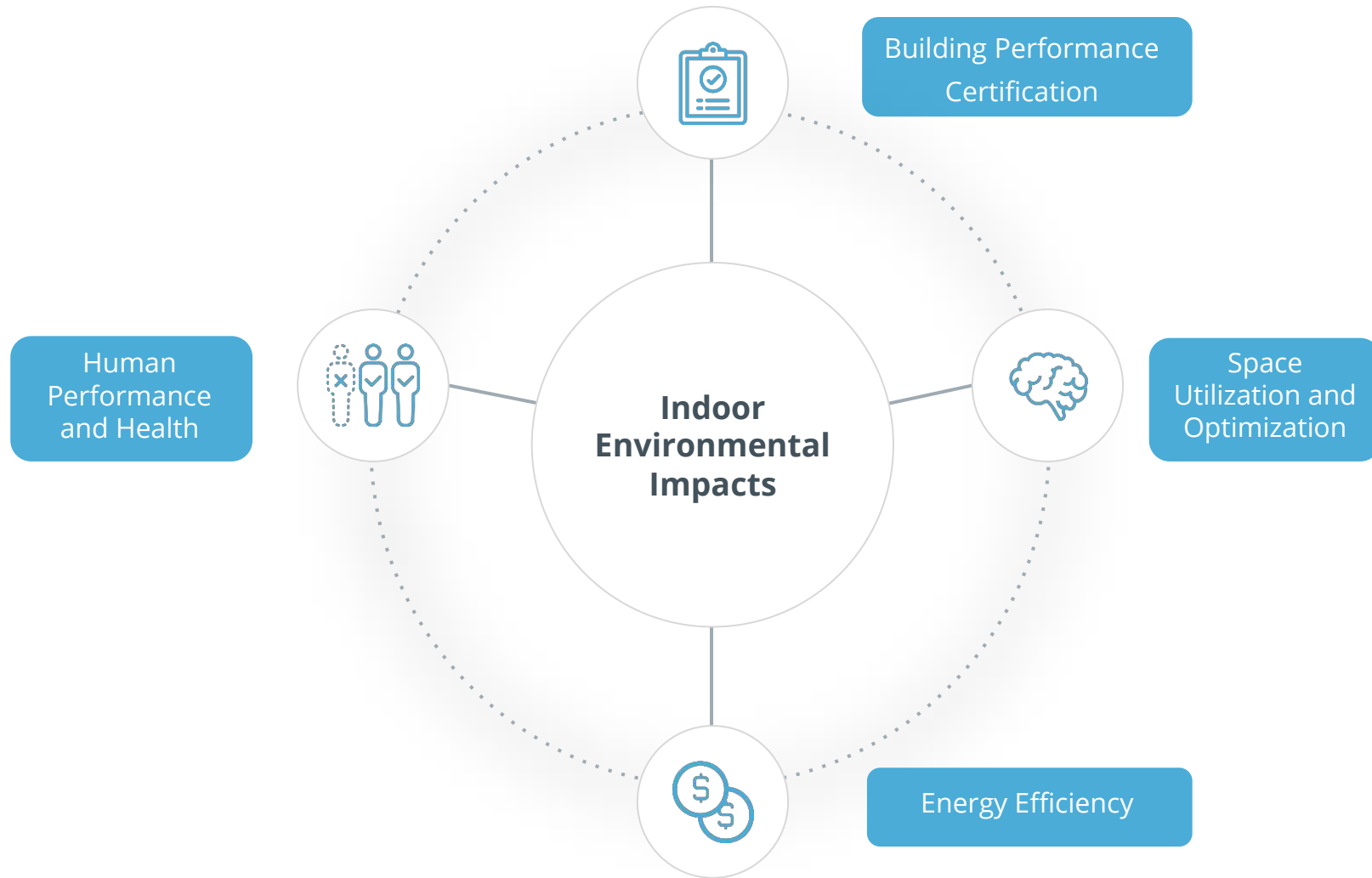
Work Integrate into your building systems.
(API, BACNet, etc)



Solution infrastructure overview



Benefits of IEQ monitoring



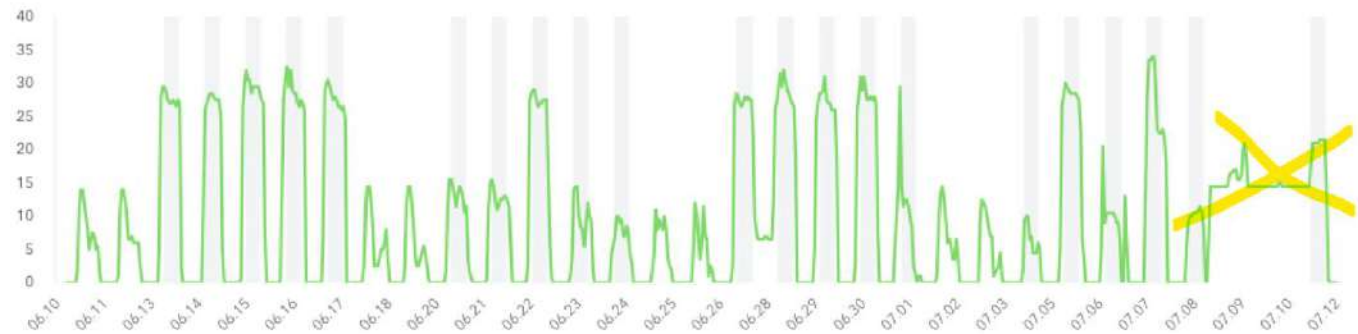
Human health & performance

before / after installation of operable windows



Energy efficiency

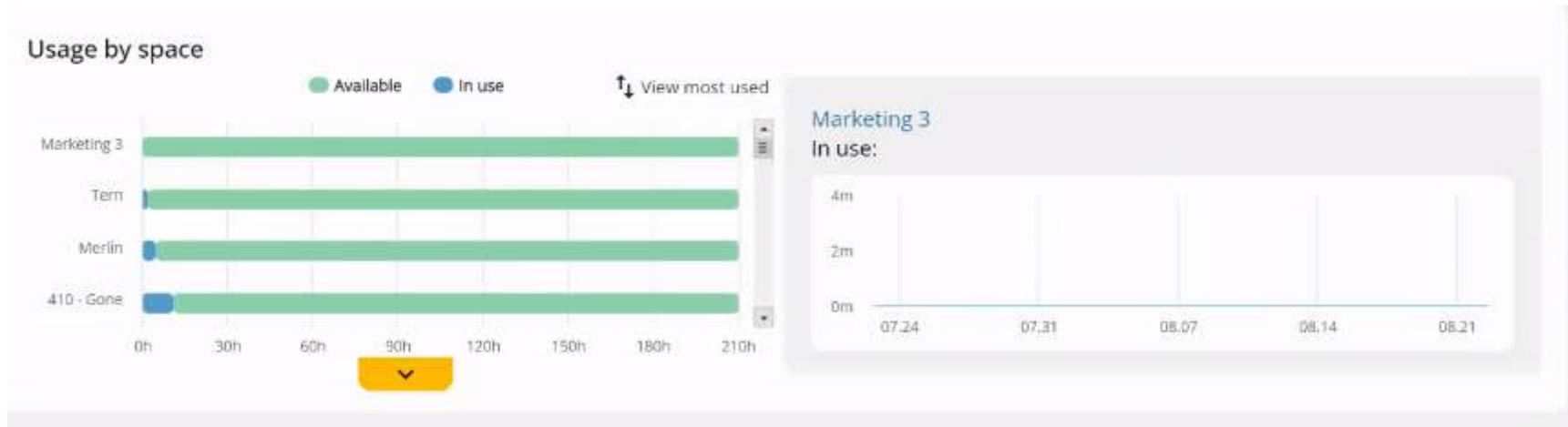
- Lights turned on during the weekend
- CO2 is too low?
 - Extremely low CO2 even when the space is occupied
 - Reduce airflow



Average	Lowest measurement	Highest measurement
● 518 ppm	● 438 ppm	● 958 ppm
● 484 ppm	● 425 ppm	● 647 ppm
● 461 ppm	● 432 ppm	● 575 ppm
● 492 ppm	● 419 ppm	● 617 ppm

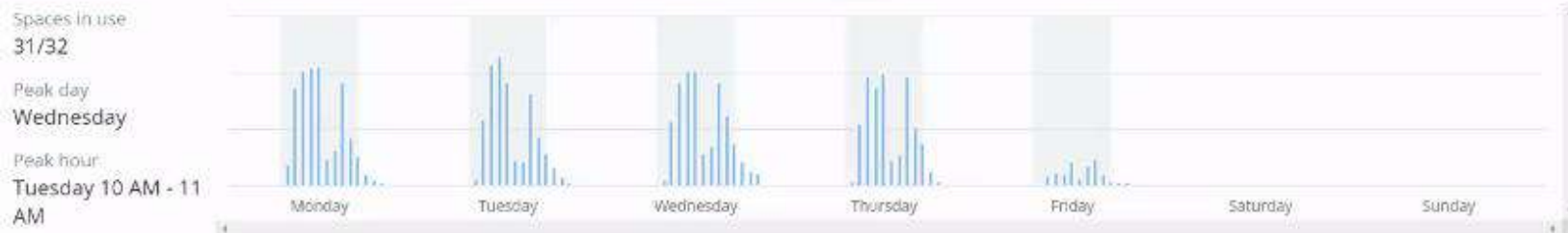
Space utilization

lights turned on over the weekend



Building usage trend

Shows an aggregated view of the past four weeks. Included are spaces utilized for at least 15 continuous minutes.



- Low occupancy on Fridays
 - Adjust HVAC, set alarm
 - 3 hours every Friday x 52



Space CO₂



Space Plus



Space Hub



Space CO₂ Mini



Space Pro

TECH AND BUILDING

Maison Janneau Showroom

22 October 2023

Austin, TX



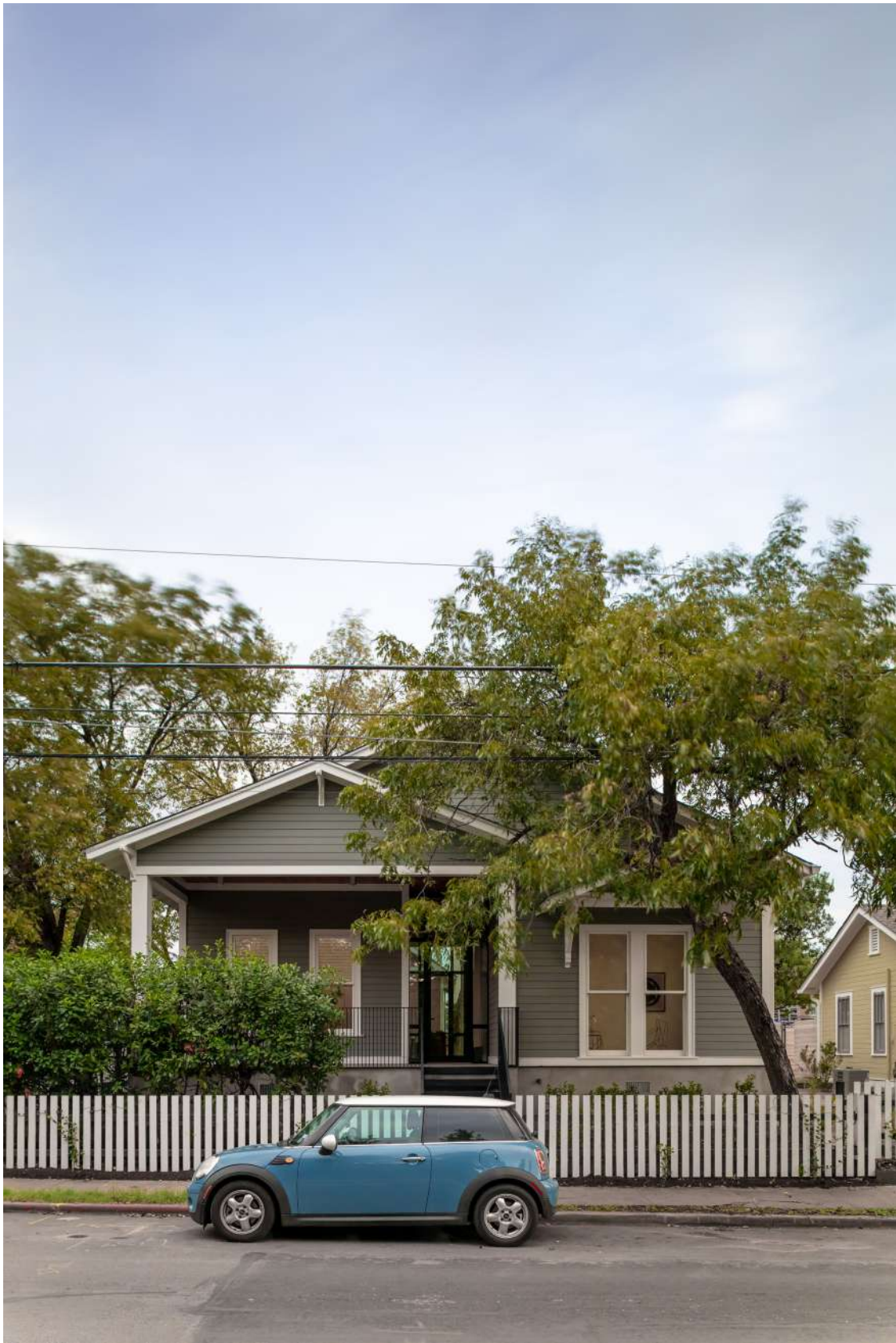
View of house and garden



View of Living Room



View of Deck



View of exterior and Main Trot

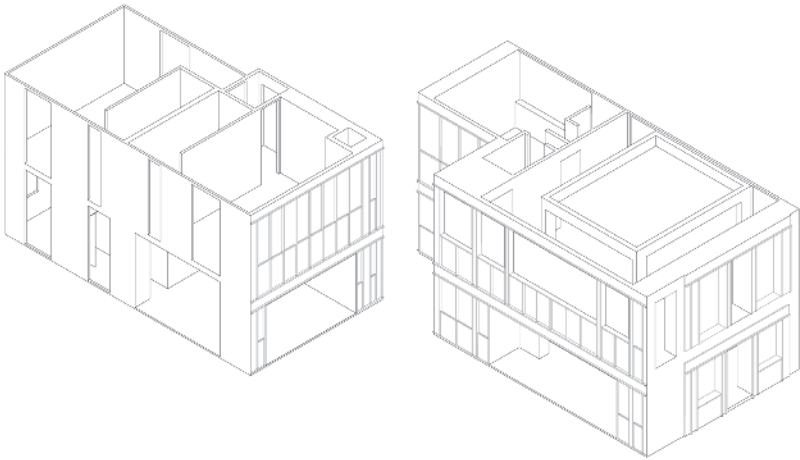
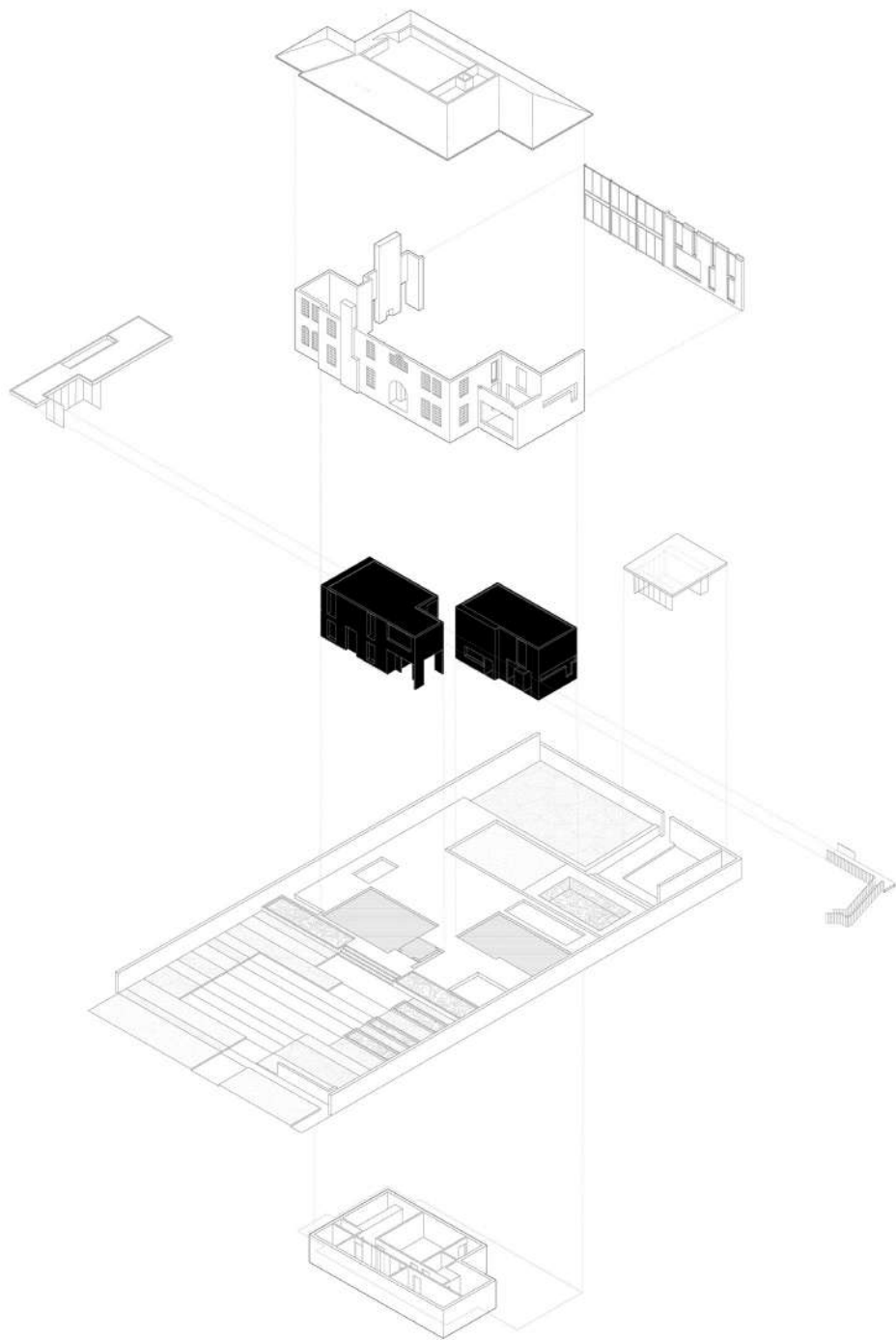




Living room



Existing House





Pod connection



Proposed Living Room



Proposed back facade



Proposed backyard

Thank you!

Breathe better. Live better.

chloe.waller@airthings.com