



RESET[®] Air

Introduction

We breathe 15,000L of air per day. We consume 5,000 times more air than water in terms of volume. Minor variations in air quality dramatically impacts health and productivity.

We can survive for weeks without food.

We can survive for days without water.

We can only survive a few minutes without air.



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See the Invisible

RESET Air standardizes the continuous monitoring requirements of air quality in built environments.

Make visible the invisible factor that impacts all indoor spaces in regards to health, productivity, and sustainability.

- PM2.5 Particulate Matter
- Temp Temperature
- TVOC Chemical Off-gassing
- RH Humidity
- CO₂ Carbon Dioxide

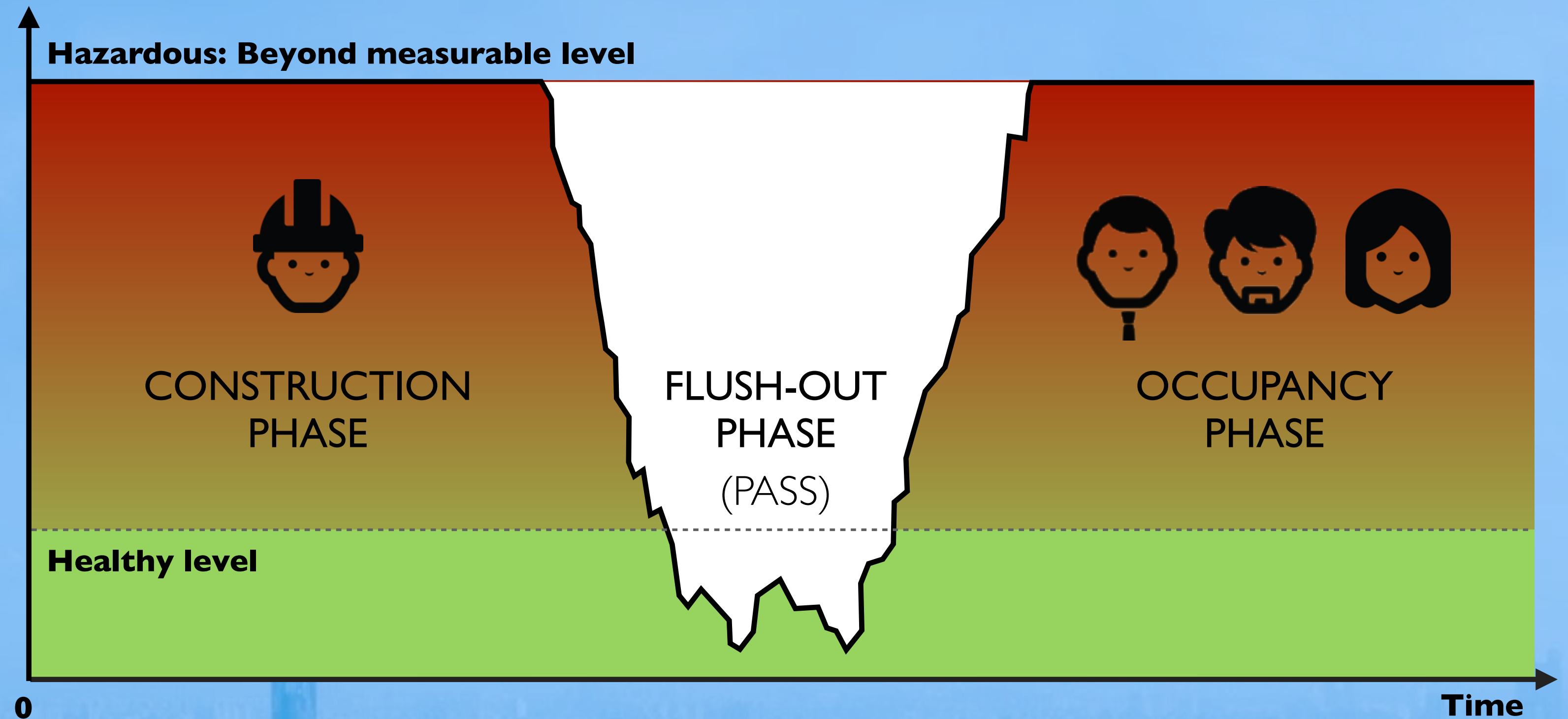


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Why continuous monitoring?

Indoor air quality can fluctuate significantly over short and long periods of time.

Continuous monitoring of indoor air quality allows projects to truly understand what is happening within a space over time instead of a single spot test, often measured during a flush out period.



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What it does

Health performance results are only as good as the data being assessed. RESET is first and foremost a standard for data quality.

The goal is to collect data that is **trusted, actionable**, and **relevant**.

The requirements for RESET Air include:



Monitor Specifications and Deployment Requirements

RESET addresses data quality at the source and specifies requirements for the monitors and the number deployed in a project.



Installation & Calibration Requirements

RESET makes sure the data is trusted and relevant by requiring monitors to be installed in the right way and to have plans for long term maintenance.



Data Reporting and Platform Requirements

RESET sets requirements for how the data is reported and connected to guarantee transparency and access via analysis and reporting.

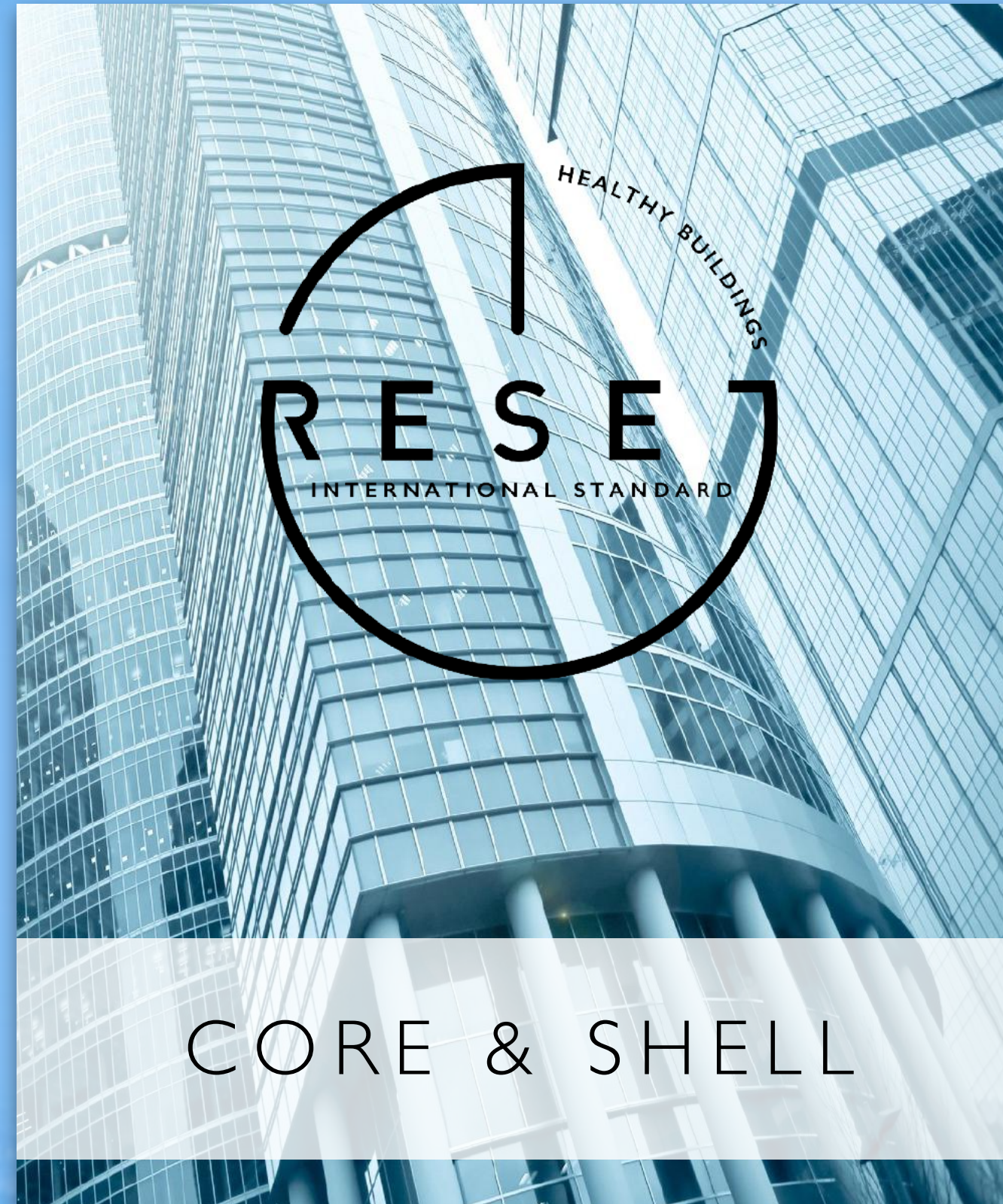
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How it works

RESET can be applied to new or existing **project typologies**.

Core & Shell targets the entire building and is a typology tailored for landlords and developers.

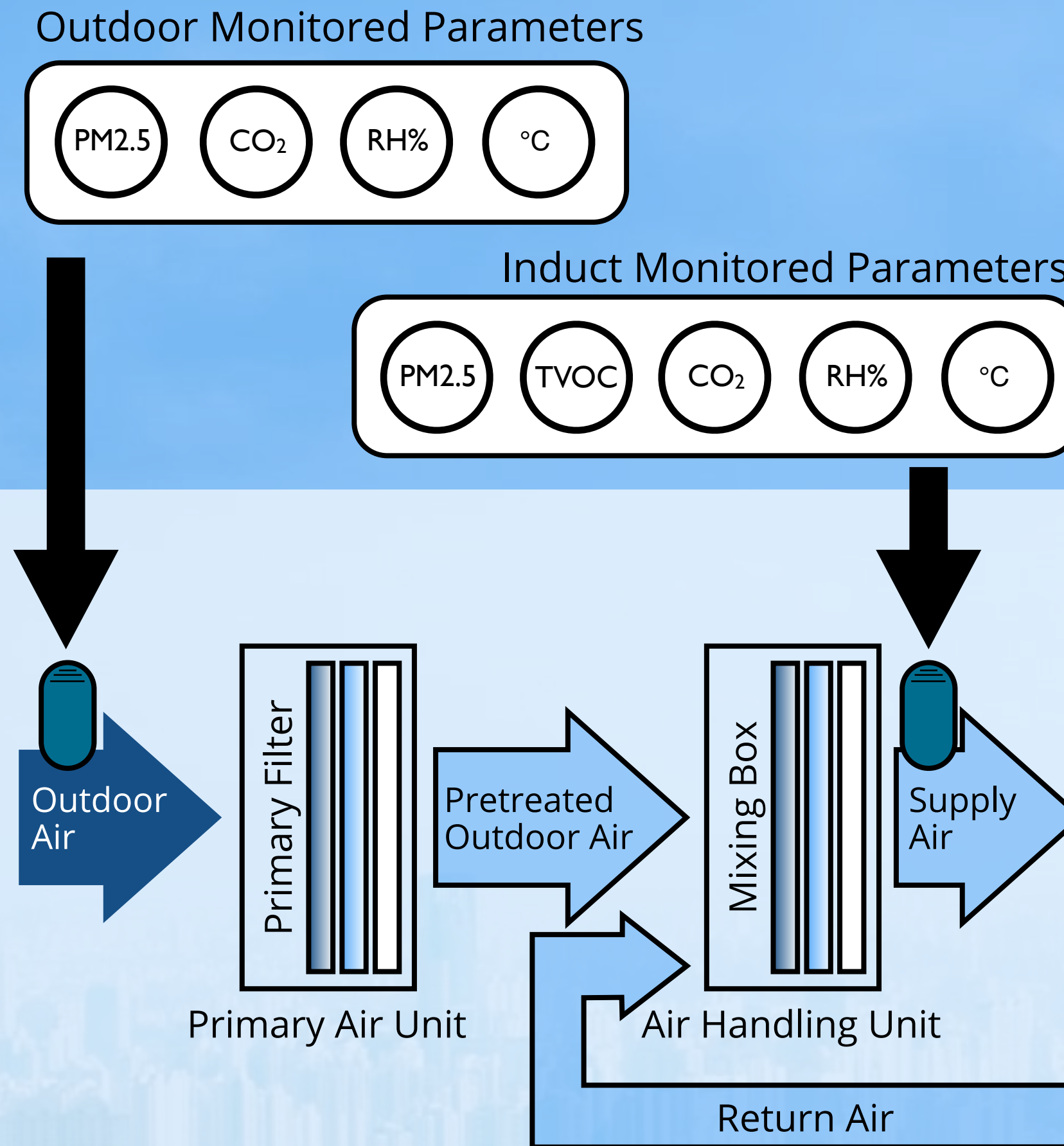
Commercial Interiors targets a section of the interior space and is a typology tailored for tenants or a partial owner of an indoor space.



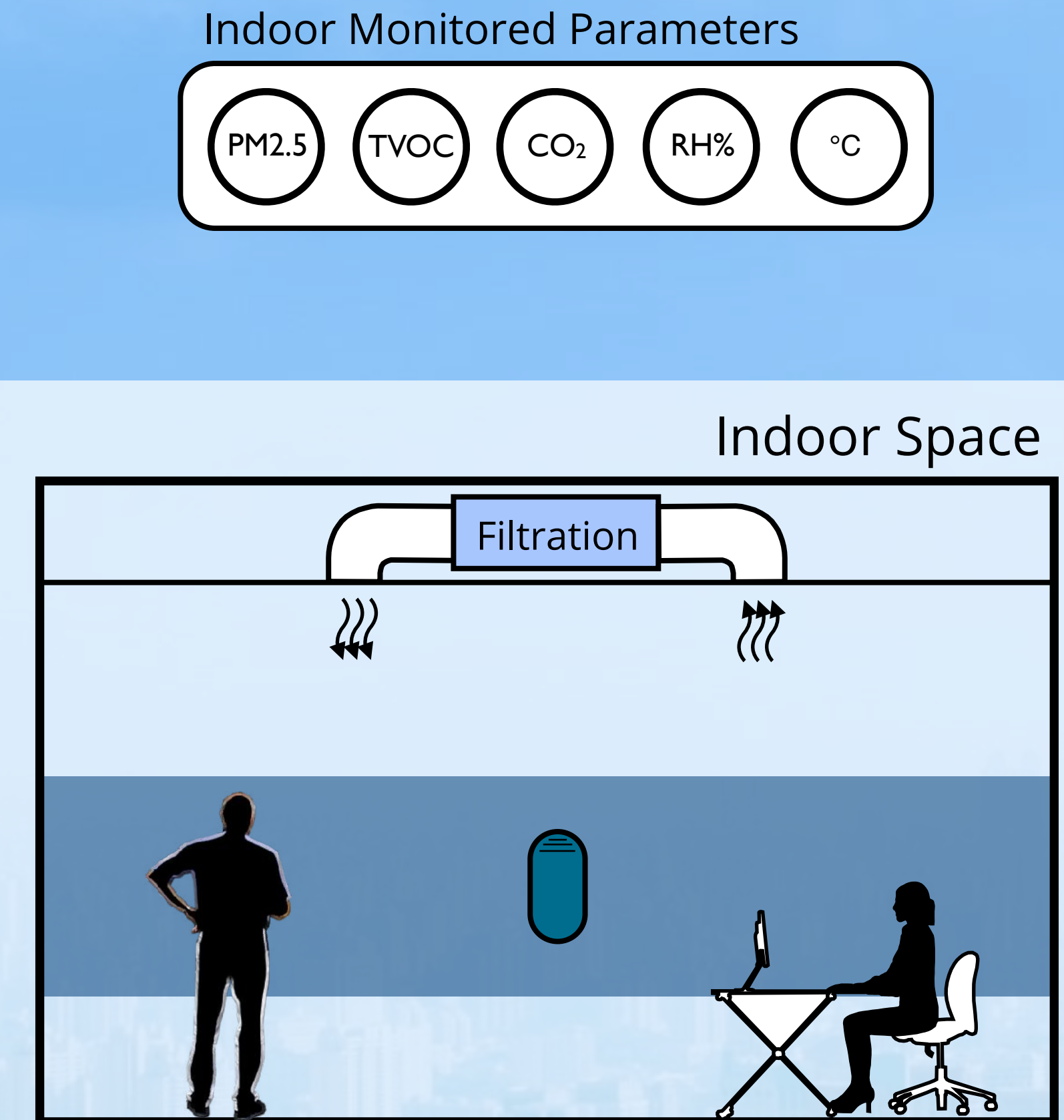
RESET[®] Air Application

By separating Core & Shell and Commercial Interiors, RESET Air helps owners, operators, and tenants achieve healthy performance targets by clearly defining and communicating their respective roles and responsibilities.

Core & Shell



Commercial Interiors



RESET[®] Air for Commercial Interiors

Basic Checklist

Monitoring Requirements

1. Use of accredited hardware & software platforms.
2. Must be installed at breathing height between 0.8m and 1.8m.
3. Minimum of one space out of every regularly occupied space type.
4. At least 80% of occupants represented.
5. Monitor coverage not to exceed 500m² in open areas.

Performance Requirements

Continuous monitoring of PM_{2.5}, CO₂, VOCs, Temperature, and RH.

Certified status requires project to hit threshold targets for PM_{2.5}, CO₂, and VOCs for 3 months consecutively.

Communication & Education Requirements

Performance results accessible to long-term project occupants on an ongoing basis.



RESET[®] Air for Core & Shell

Basic Checklist

Monitoring Requirements

1. Use of accredited hardware & software platforms.
2. 1 to 2 outdoor air monitors, depending on height of building.
3. Induct air monitors need to monitor at least 30% of total air volume.

Performance Requirements

Continuous outdoor monitoring of PM_{2.5}, CO₂, Temperature, and RH.

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Certified status requires project to hit threshold targets for PM_{2.5}, CO₂, and VOCs for 3 months consecutively.

Communication & Education Requirements

Performance results accessible to long-term project occupants on an ongoing basis.



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Implementation

Getting started with RESET Air is very easy, low commitment, and low cost because it is only targeting data and continuous monitoring, not the solutions.

With the data, you will be able to find the best and most cost effective solution for your situation.

The list shows the basic steps of how to implement for RESET Air. Getting everything ready for the data audit takes anywhere between 1-3 months.

1	Select Project Typology
2	Select Monitors
3	Plan and Define Monitor Locations
4	Network Solution & Set-up
5	Installation & Maintenance
6	Connect to the Cloud

Data Audit

(Required for project accreditation)



RESET[®] Air Project Accreditation

Projects that leverage the RESET Standard can be accredited or certified by RESET.

Accreditation and statuses are applied to each of the RESET Standards separately per project.

01

RESET[®]
ENTRY

Short-term monitoring for projects experimenting with continuous monitoring.

02

RESET[®]
CONNECTED

Data connected and access to the RESET Cloud's suite of tools and services.

03

RESET[®]
PRE-ACCREDITED

Awarded to projects, mainly in the design phase, that pass the documentation audits.

04

RESET[®]
ACCREDITED

Awarded to projects that are continuous monitoring according to the RESET Standard.

05

RESET[®]
CERTIFIED

Awarded to projects that have achieved the performance requirements.



RESET[®] Air for Commercial Interiors Pricing

Pricing is based on the size of the project. The information on the right gives pricing for a project at that size.

A pricing calculator is available here: <https://reset.build/programs/projects/air/price>

1,000 m ²	5,000 m ²	10,000 m ²	50,000 m ²
First Year 1,863 USD	First Year 3,510 USD	First Year 5,191 USD	First Year 15,968 USD
USD / SQM 1.863 USD	USD / SQM 0.702 USD	USD / SQM 0.519 USD	USD / SQM 0.319 USD
USD / SQM / Day 0.005104 USD	USD / SQM / Day 0.001923 USD	USD / SQM / Day 0.001422 USD	USD / SQM / Day 0.000875 USD
Second Year Onwards 621 USD	Second Year Onwards 1,634 USD	Second Year Onwards 2,779 USD	Second Year Onwards 10,820 USD
USD / SQM 0.621 USD	USD / SQM 0.327 USD	USD / SQM 0.278 USD	USD / SQM 0.216 USD
USD / SQM / Day 0.001701 USD	USD / SQM / Day 0.000895 USD	USD / SQM / Day 0.000761 USD	USD / SQM / Day 0.000593 USD



RESET®

Case Studies

Projects that have achieved RESET Certified status.



Hines

New Office Tower



KERRY PROPERTIES

嘉里建設

Existing Office Tower



Office Interior



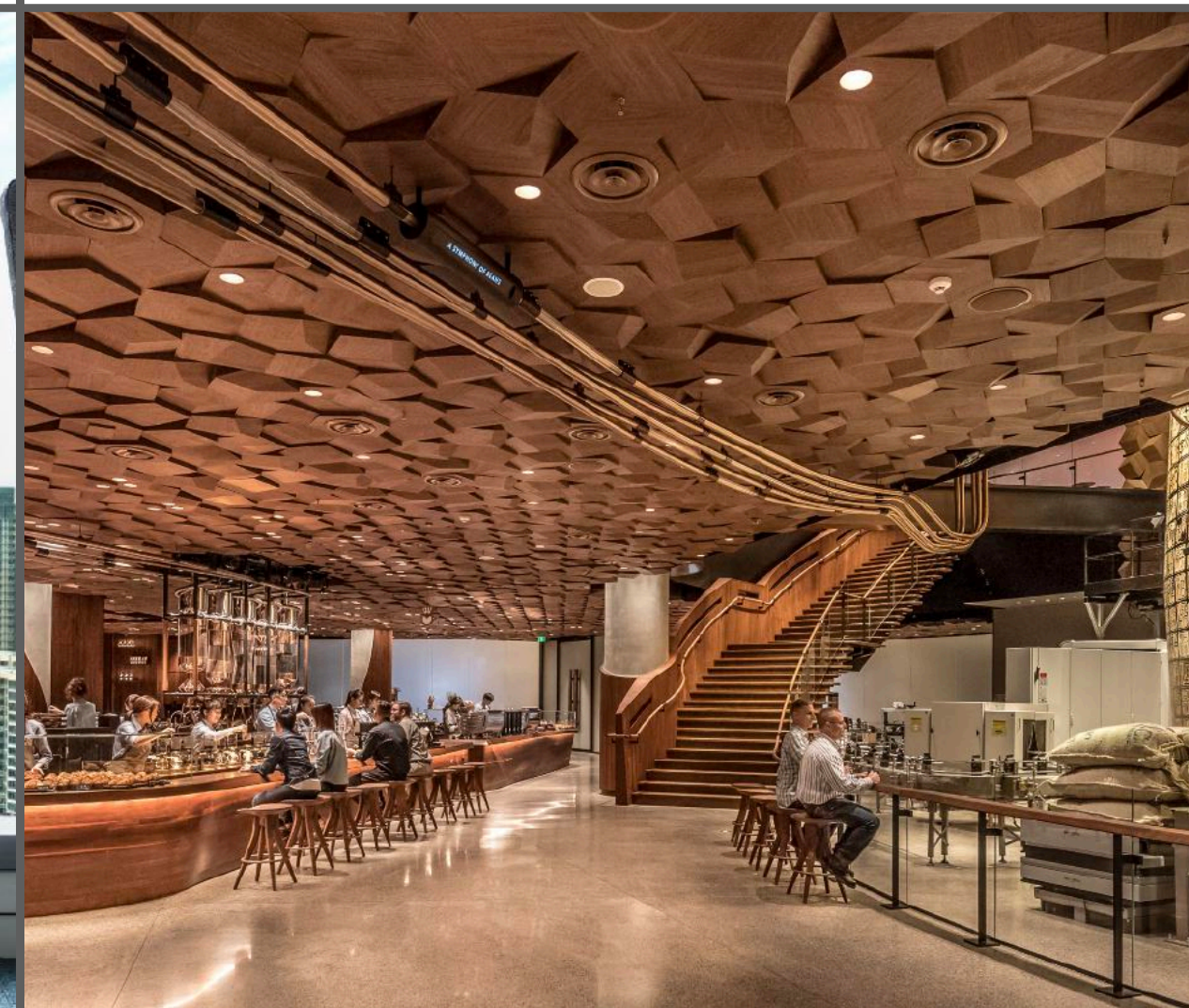
ebmpapst

Factory Workshop



CORDIS 

Hotel



STARBUCKS RESERVE™

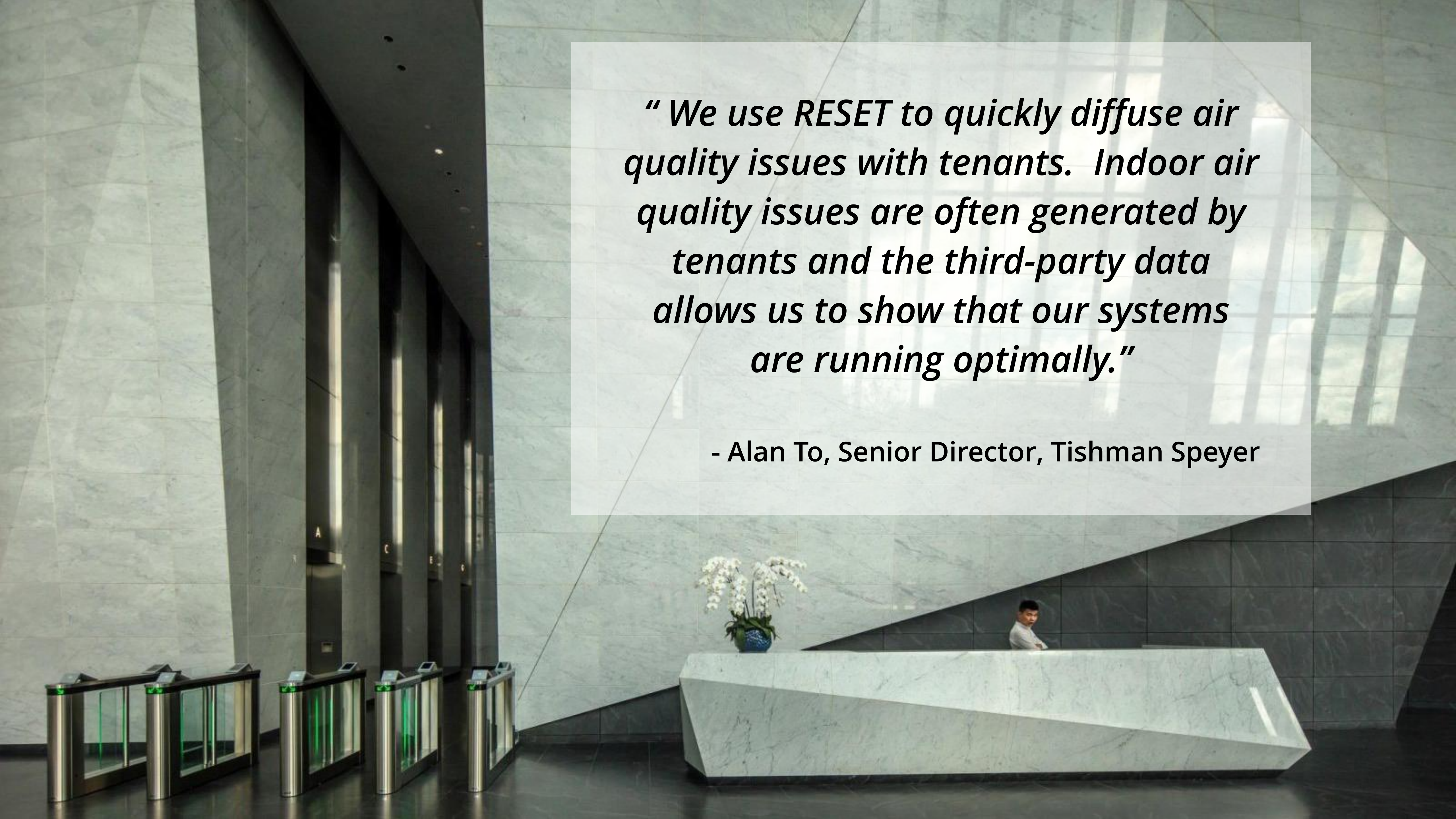
Retail



**SCHWARZMAN
SCHOLARS**

Educational



A modern office lobby with marble walls, turnstiles, and a reception desk. The scene is brightly lit, with a person visible behind the reception counter. The text is overlaid on a semi-transparent white box in the upper right quadrant.

“ We use RESET to quickly diffuse air quality issues with tenants. Indoor air quality issues are often generated by tenants and the third-party data allows us to show that our systems are running optimally.”

- Alan To, Senior Director, Tishman Speyer

RESET[®] Air

Benefits

The RESET Standard is the world's first sensor-based and performance-driven data standard and certification program for the built environment.

The RESET framework brings buildings into the age of data. A building and an organization that understands data has significant benefits:

■ Promoting Health and Productivity

RESET empowers healthier and more productive buildings and occupants, which is vital to retaining tenants and employees, in addition to attracting new ones.

■ Optimize for Solutions

Understanding the problem is the first step to solving it. Starting with monitoring and using data will optimize for the most cost effective solutions.

■ Tenant Engagement and Added Services

RESET facilitates data sharing between landlords and tenants via the RESET Leaderboard, creating opportunities to align health and sustainability goals.

■ Future Proofing via Change Management

The future is data. Use RESET to help train internal teams to better understand data and future proof your organization.



RESET[®] Viral Index

Translating research into operational insights

RESET is always looking for better ways to access data.

For COVID-19, we translated medical and scientific research into results that applied to sensor data, enabling the only modeling of airborne viral transmission potential into actionable operational insights that uses real-time air quality data.

Property owners, operators, and tenants can use the RESET Viral Index to optimize their buildings to limit the infection potential of airborne pathogens.

*Communicates optimization of air quality management by building systems, as measured by sensors. Not an expression of total infection potential.





Data Standard and Tools

for healthy and sustainable built
environments

Learn more at: <https://reset.build>





Data Standard and Tools

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environments

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Get Involved

- Start leveraging the RESET Standards on a project
- Register a RESET Project
- Become a RESET Member
- Get RESET AP status
- Get your Monitor or Software Platform Accredited
- Participate in RESET Initiatives

Email us at info@reset.build.

