Data Standard and Tools
for healthy and sustainable built environments

https://reset.build

How do we make the built environment more sustainable with the lowest cost and effort?

Start with data collection
and continuous monitoring.

Why data collection first?

Operations
Better understanding of how your built environment operates.

History
Know what went into and what happened in your building.

Actionable Plans
Build internal awareness and get visibility on how to build an actionable long term sustainability and health plan.

Optimize Solutions
Set up faster feedback loops to optimize the discovery and implementation of solutions and find the most optimal one for your built environment.

Training
Data transparency provides opportunities to train internal teams and facilities management teams to better use data.

RESET®
Purpose

RESET's purpose is to help built environments become **healthier** and more **sustainable.**

RESET promotes **data collection** and **continuous monitoring** via standardization.

Data will be the key to building awareness and visibility towards the problems that we face and it will help us better engage with finding the right solutions to our problems.

You cannot effectively solve what you cannot measure.

What is
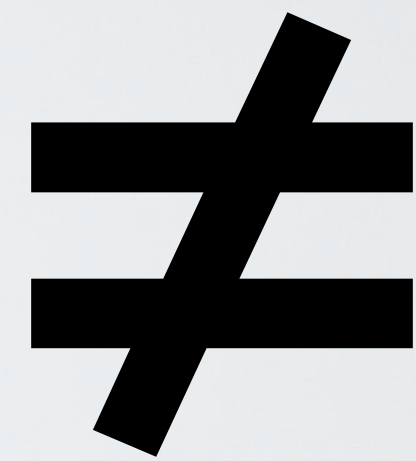# RESET®?

RESET is a set of:
- **standards** and
- **assessment tools & services**

It is used to develop actionable, long term strategies towards **health** and **sustainability** for the built environment.

RESET is **non-prescriptive** in regards to solutions.

On Paper Metrics ≠ Operational Metrics

RESET® Standard
A Data Standard, Not a Design Standard

RESET is not a design standard like LEED or WELL, but a data standard that is **continuous** and **on-going**.

RESET focuses on **collecting data** via **long-term**, continuous monitoring.

The standard harnesses the power of **technology** in order to assess the performance of buildings and interior spaces during their **operational phase.**

Design Standards

Data Standard

RESET® Standard
A Standard for Data Quality

RESET is first and foremost a standard for data quality. RESET standardizes and certifies data:
- **Completeness** of data
- **Quality** of data
- **Performance** of data

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

Health and sustainability performance results are only as good as the data being assessed.

Completeness
Is all the data there?
Is there enough data?

Quality
Is the data true?
How well does the data reflect the actual situation?

Performance
What does the data say?

RESET® Materials

Know what is in your Space

RESET Materials standardizes the health and sustainability accounting of products installed in buildings and their interiors. Products and projects are scored based on data completeness, data quality, and product performance.
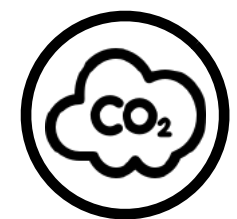
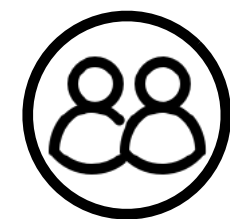Establish transparency and risk management of what goes into your spaces.

Health
Emissions / Ingredients

Carbon
Embodied / Operational

Circularity
Sourcing / Renewal

Ecology
Embodied

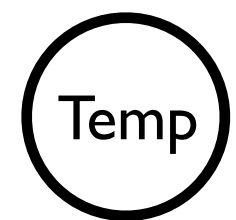**Social**
(In development)

RESET® Air
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
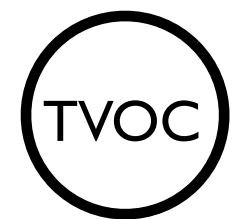
(TVOC) Chemical Off-gassing
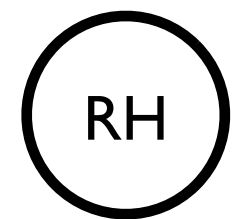
(RH) Humidity
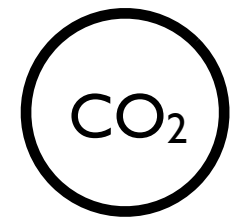
(CO₂) Carbon Dioxide

RESET® Water
Conservation Awareness

RESET Water standardizes the continuous monitoring requirements of water consumption and water quality in built environments.

Generate awareness around water conservation and improve water use efficiency and water quality.

(T)   **Total Water Consumption / Production**

(Q)   **Water Quality**

RESET® Energy
Carbon Visibility

RESET Energy standardizes the continuous monitoring requirements of energy consumption in built environments.

Bring to the forefront the carbon operating costs of the built environment and leverage the faster feedback loops to improve.

(T) **Total Energy Consumption / Production**

(C) **Subset Energy Consumption / Production**

RESET® Circularity
Waste Transparency

RESET Circularity standardizes the continuous monitoring requirements of the waste generated and collected in built environments.

Track and understand the lifecycle input and output of waste; where and how much it is generated and consumed.

(T) **Total Waste Input / Output**

(C) **Subset Waste Input / Output**

RESET® Standards
Data is the
Starting Point

By standardizing the collection of data, we open up the possibilities to compare data between projects and most importantly, leverage the different sets of data and cross-reference between them.

For example, looking at the trends between **Air** and **Energy**, or **Water** and **Circularity**.

RESET® Standards
How data is connected

RESET sets the standard for high-quality data analytics on the health performance of buildings by defining how data is produced, communicated, and analyzed.

Data is first collected by the monitors, then aggregated by the data provider, and then sent to the RESET Cloud for auditing.

RESET does **NOT** offer data provider services nor build monitors.

The **RESET Cloud** takes data from the data providers and audits it for RESET Projects.

RESET Cloud
Analytics and Benchmarking

Summary Data

Data Providers report and parse data to be submitted to the RESET Cloud

Data Provider
Daily Operations and Business Logic

Data Provider
Daily Operations and Business Logic

Monitors are installed and calibrated according to the same standard.

GRADE **B** RESET重生™
GRADE **B** RESET重生™
GRADE **B** RESET重生™
GRADE **B** RESET重生™
GRADE **B** RESET重生™
GRADE **B** RESET重生™
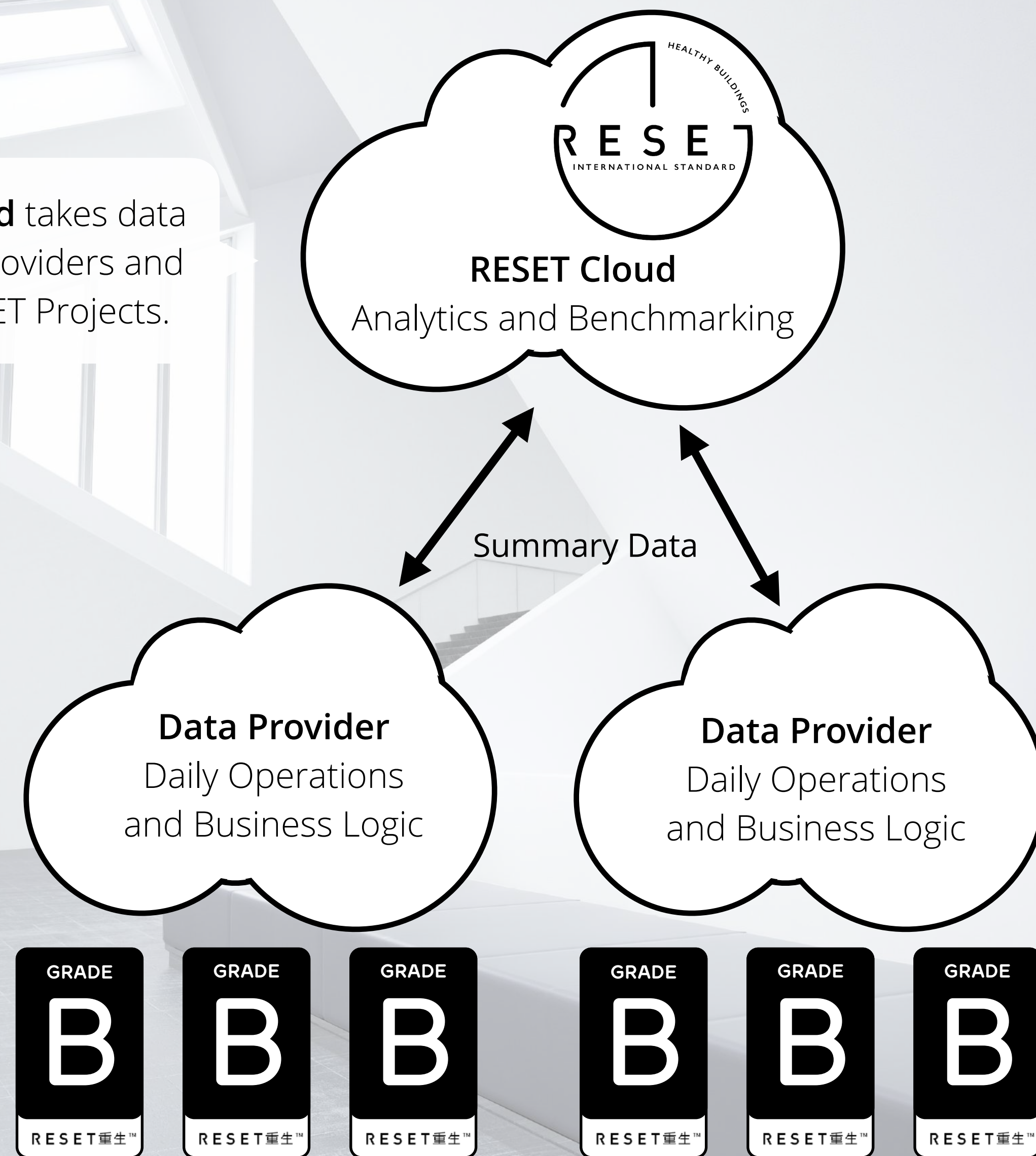
RESET® Standard
Project Typologies

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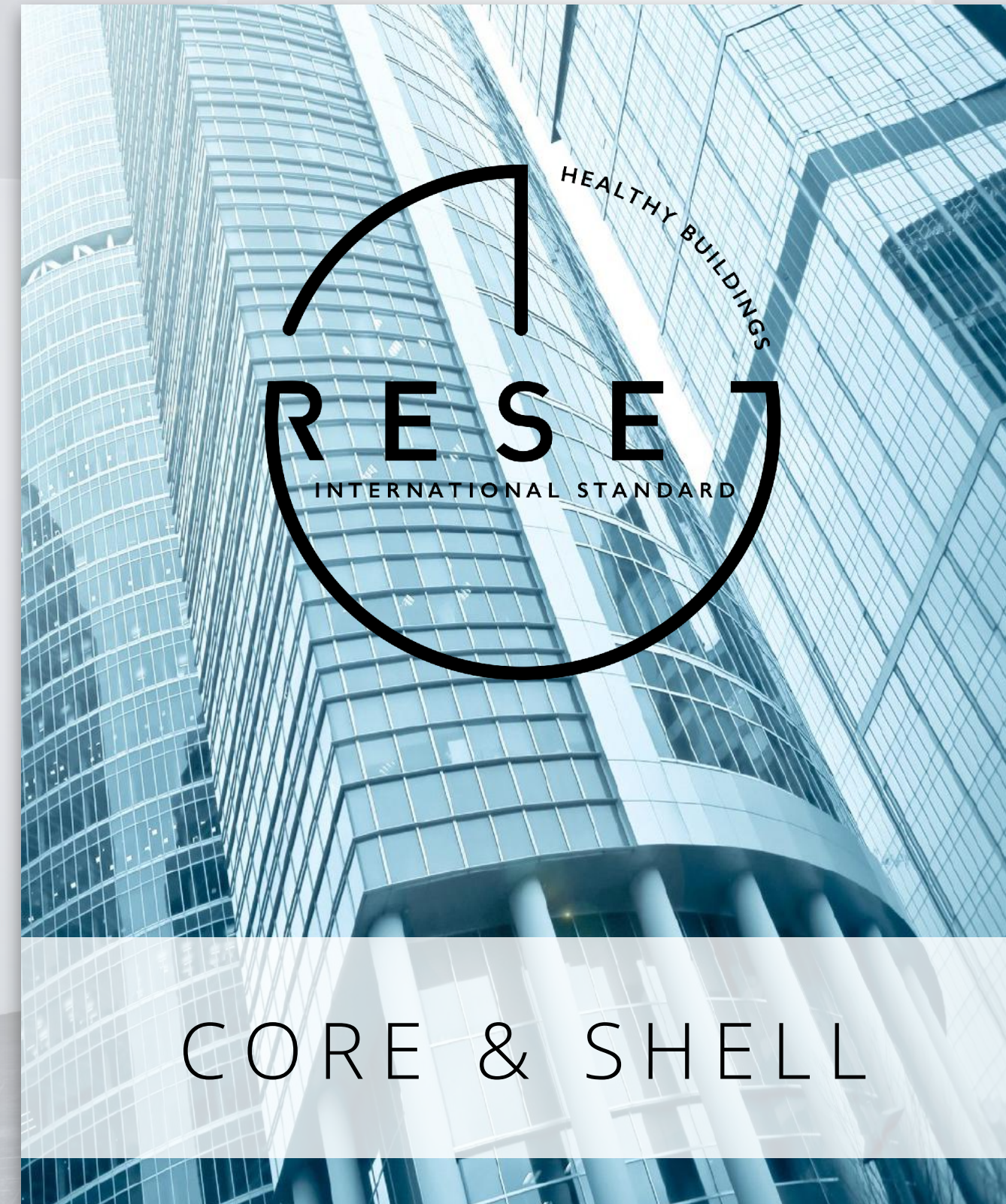
Commercial Interiors targets a section of the interior space and is a typology tailored for tenants or a partial owner of an indoor space.

RESET® Project Statuses

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	02	03	04	05
R E S E T® ENTRY	**R E S E T**® CONNECTED	**R E S E T**® PRE-ACCREDITED	**R E S E T**® ACCREDITED	**R E S E T**® CERTIFIED
Analytics and certificate for projects based on one month of continuous monitoring.	Data connected and access to the RESET Cloud's analytics and benchmarking.	Awarded to projects that complete the documentation audit.	Awarded to projects that fulfill all monitoring requirements and audits.	Awarded to projects that have achieved the performance requirements.

RESET® Assessment
Tools & Services

Apart from the RESET Standard, RESET offers a series of tools and services:

Audit and Certification

Build trust with third party audited data and communicate and market your efforts in making long-term change and impact.

Analytics and Benchmarking

See how your building is operating and performing and benchmark against others. Leverage for tenant engagement programs focused on ESG performance.

RESET® Assessment Tools & Services
Audit and Certification

RESET provides three levels of auditing for each Standard:

- **Documentation Audit**
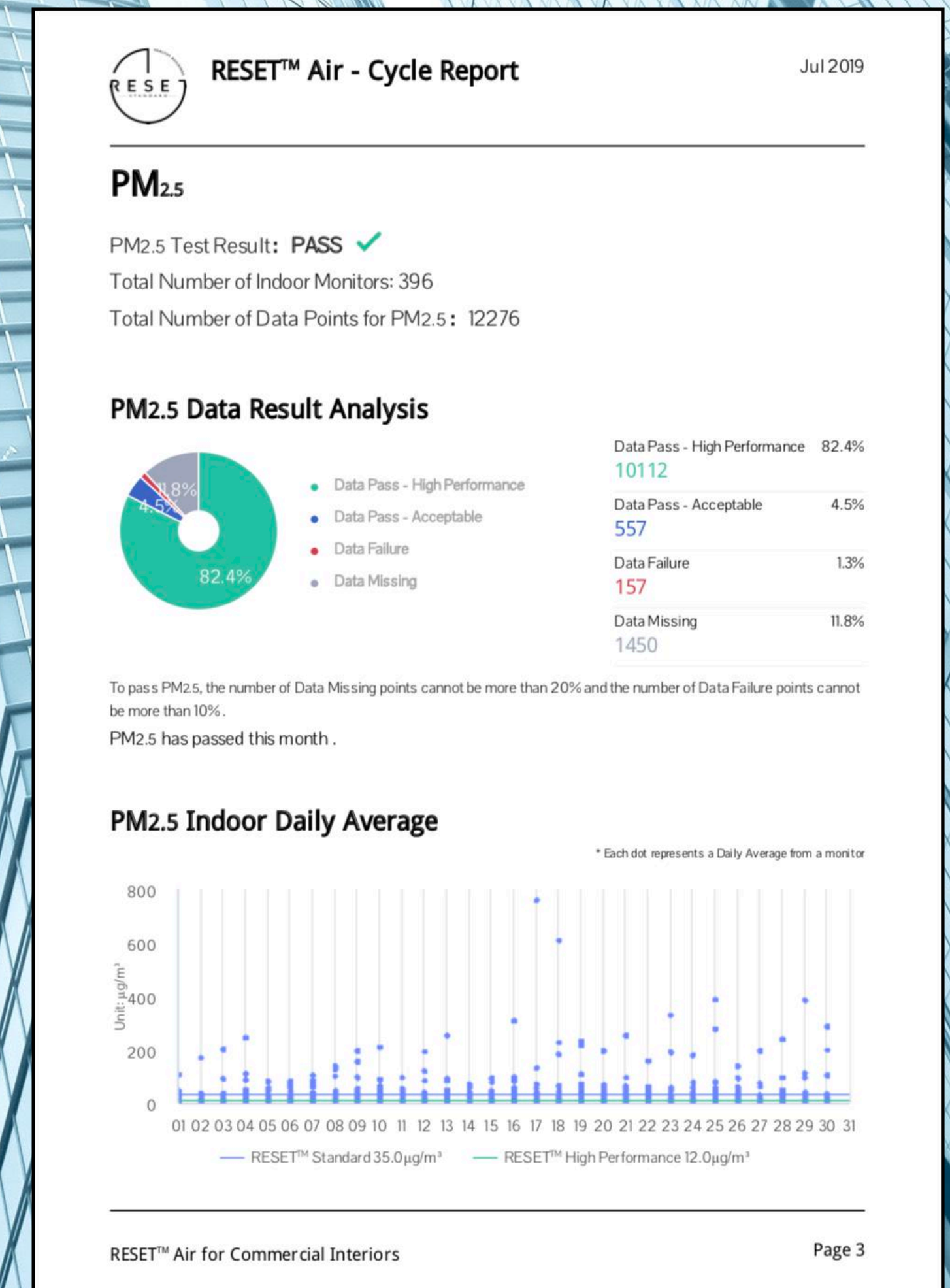 Plans for implementation according to RESET Standard requirements.
- **Site Audit**
  A physical inspection of the space to confirm the information in the documentation audit.
- **Data Audit**
  Assessment of the data collected via continuous monitoring.

Completion of the audits are used for project certification.

CORE & SHELL

COMMERCIAL INTERIORS

RESET™ Air - Cycle Report   Jul 2019

PM2.5

PM2.5 Test Result: **PASS** ✓
Total Number of Indoor Monitors: 396
Total Number of Data Points for PM2.5: 12276

PM2.5 Data Result Analysis

- Data Pass - High Performance
- Data Pass - Acceptable
- Data Failure
- Data Missing

82.4%

Data Pass - High Performance	82.4%
10112	
Data Pass - Acceptable	4.5%
557	
Data Failure	1.3%
157	
Data Missing	11.8%
1450	

To pass PM2.5, the number of Data Missing points cannot be more than 20% and the number of Data Failure points cannot be more than 10%.
PM2.5 has passed this month.

PM2.5 Indoor Daily Average

* Each dot represents a Daily Average from a monitor

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

— RESET™ Standard 35.0μg/m³   — RESET™ High Performance 12.0μg/m³

RESET™ Air for Commercial Interiors   Page 3

RESET® Assessment Tools & Services

Analytics and Benchmarking

The **RESET Cloud** is RESET's analytics and benchmarking platform. Project data that is connected to the RESET Cloud get access to analytics that help projects understand their daily performance.

The RESET Cloud includes the **RESET Leaderboard**, which benchmarks the performance data against other projects anonymously.
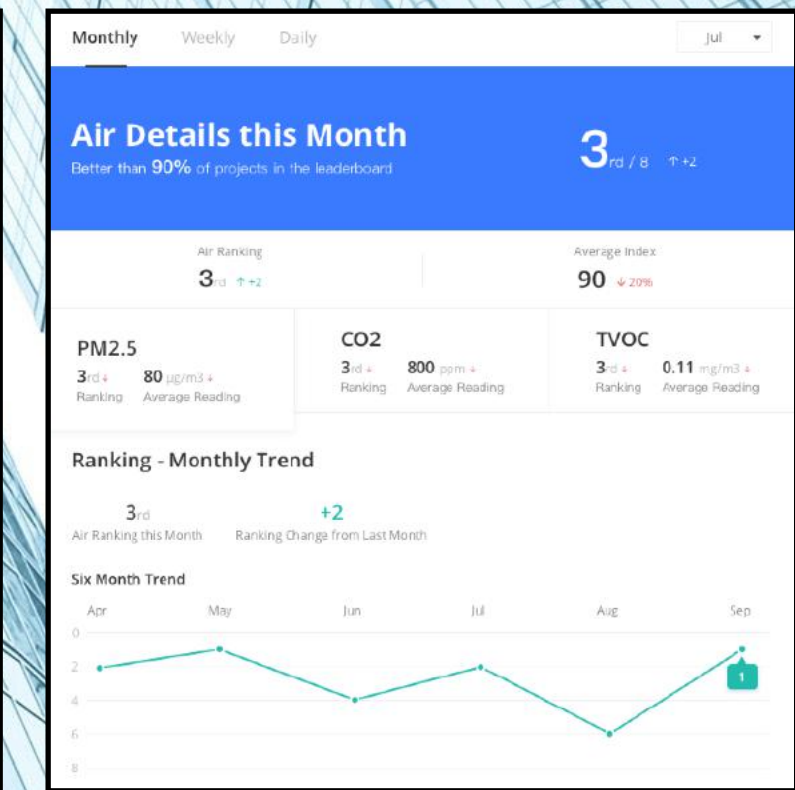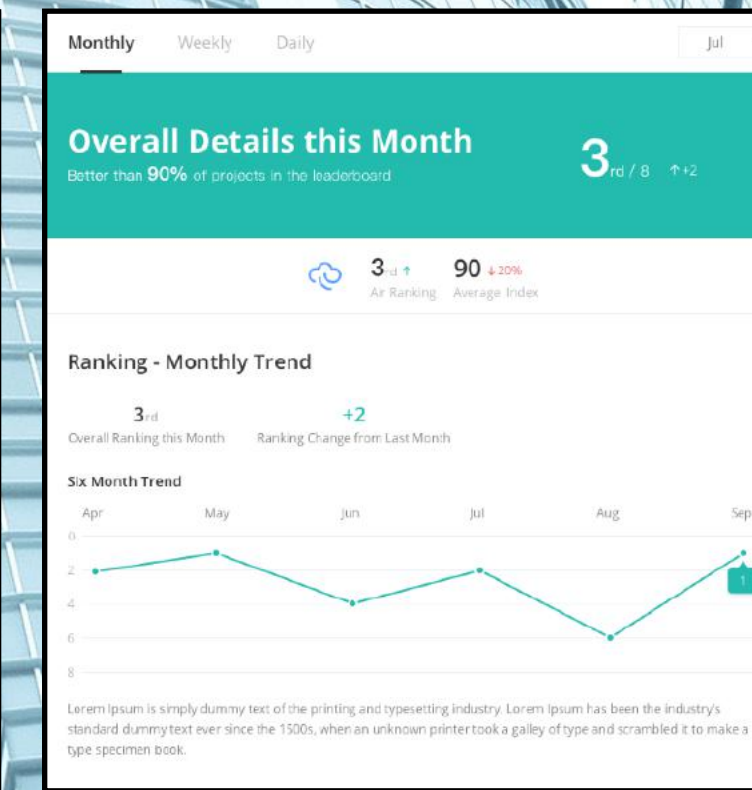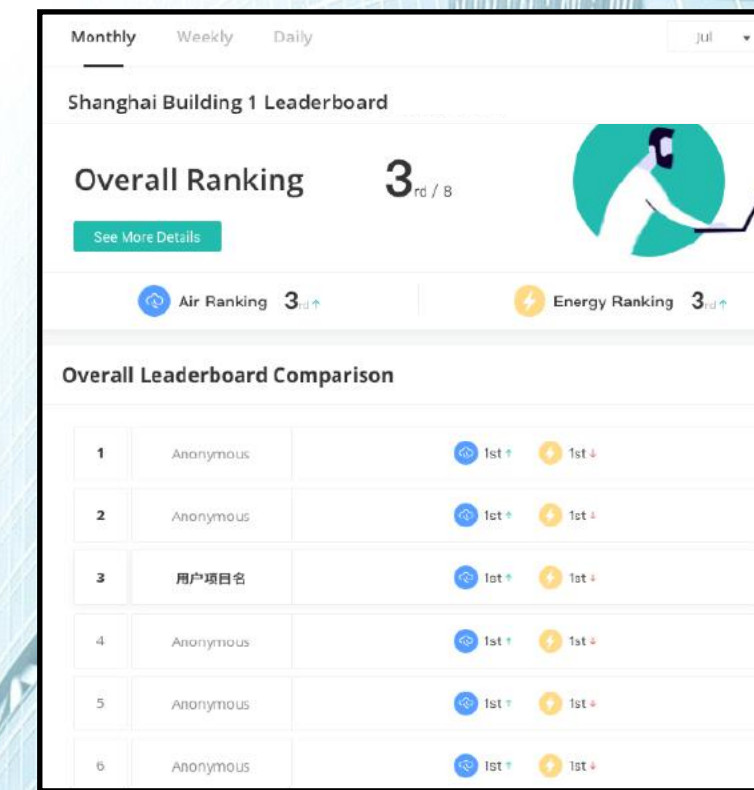
Rank	Tenant	Indicators	% Health
1ST	**Undisclosed**		97%
2ND	**You**		95%
3RD	**Undisclosed**		92%
4TH	**Undisclosed**		90%
5TH	**Undisclosed**		90%
6TH	**Undisclosed**		88%
7TH	**Undisclosed**		87%
8TH	**Undisclosed**		86%
9TH	**Undisclosed**		84%
10TH	**Undisclosed**		84%
11TH	**Undisclosed**		83%
12TH	**Undisclosed**		82%
13TH	**Undisclosed**		79%

Tenant Leaderboard

RESET®
Case Studies

Projects that have achieved RESET Certified status.

Hines

New Office Tower

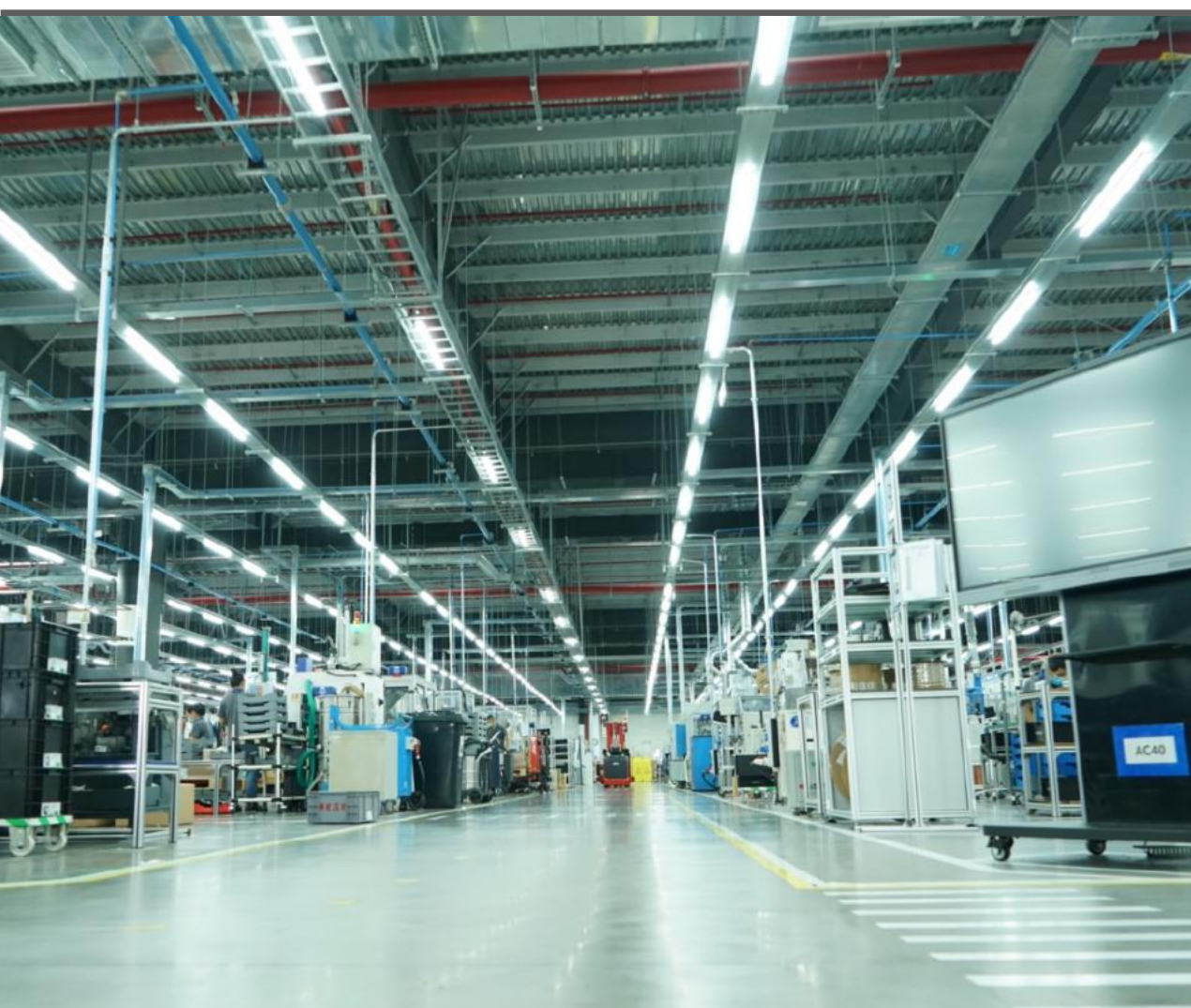
KERRY PROPERTIES 嘉里建設

Existing Office Tower

Zendesk

Office Interior

ebmpapst

Factory Workshop

CORDIS

Hotel

STARBUCKS RESERVE™

Retail

SCHWARZMAN SCHOLARS

Educational

RESET® Standards
Building Block
for the Industry

As the industry's reference for data and **data quality**, the RESET Standard can be used in combination with most building standards in the form of **crosswalks**.

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Learn more at: **https://reset.build**

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Getting Started

- 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**.