HEALTHY BUILDINGS

RESET

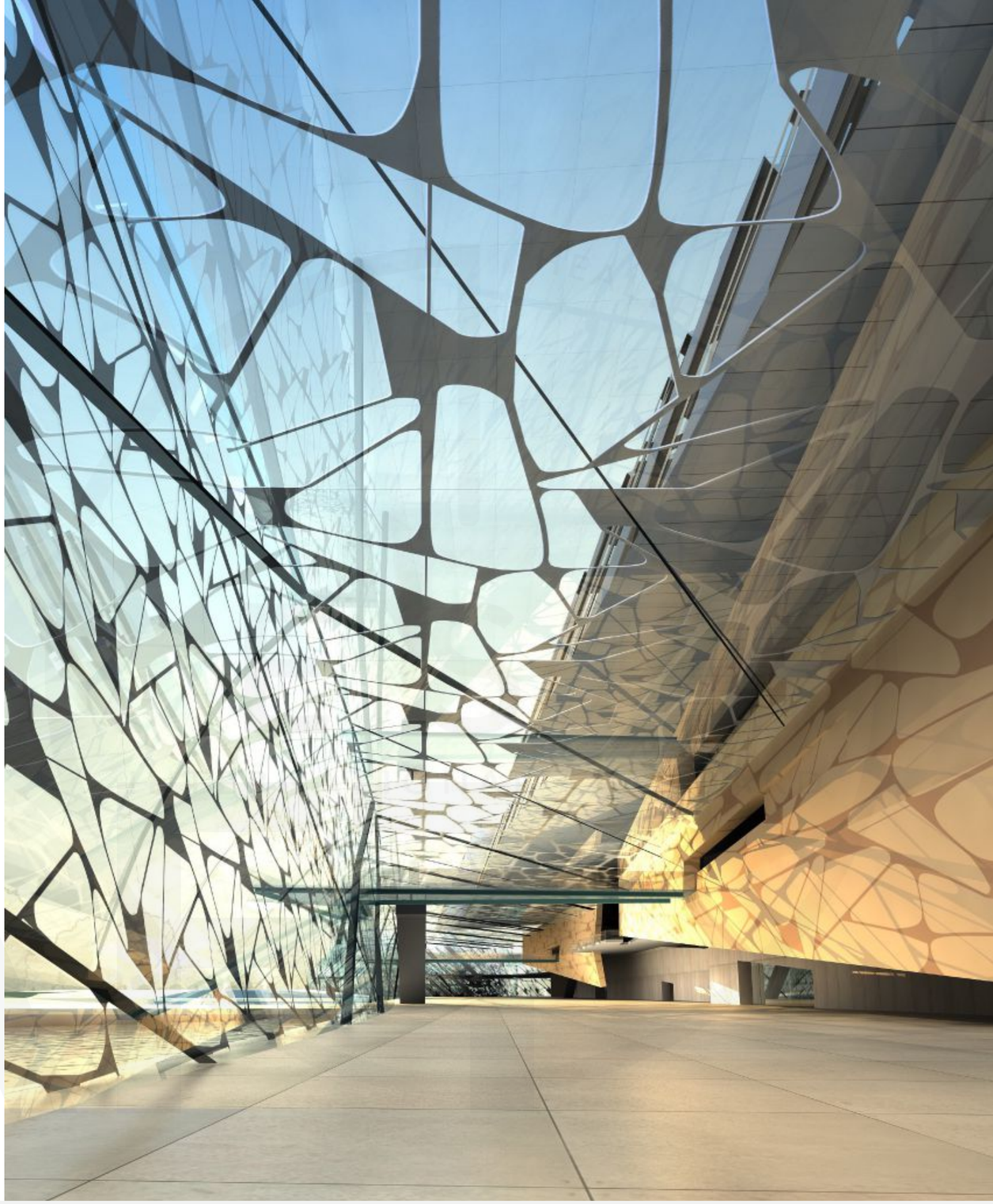
INTERNATIONAL STANDARD

Materials

STANDARD

FOR PROJECTS

COMMERCIAL INTERIORS
AND
CORE & SHELL



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1.2.0 What is RESET Materials for Projects?

The RESET Materials Standard for Projects is a data-driven standard for evaluating the performance of building materials and products in projects. RESET Materials standardizes the structure and collection of granular data on the individual performance characteristics that constitute every material that goes into a project and allows project teams to more accurately understand the collective impacts materials have on their projects.

The RESET Materials Standard includes 5 different components: health, carbon, circularity, ecology and social. Under each component are additional indicators to further subdivide the data to be collected, with a significant focus on not only the performance data, but on data completeness and data quality. Further information on how each material is scored can be found in RESET Materials Scoring Methodology for Products, Materials, and Finishes (S1.3).

The overall project score is generated by compiling all the material scores in the project. A successful RESET Materials Project implementation helps project teams maintain a standardized list of the materials and products specified into their project, in order to provide visibility into how their projects perform in the above five components.

Leveraging the RESET Materials Standard for Projects empowers project teams to make informed decisions based on individual product performance data. By requiring the documenting and evaluating of materials and products at a level of detail and scale that is new to the industry, the RESET Materials Standard is a foundational step towards understanding the health and sustainability of a project, in addition to the circularity and accounting for buildings as material banks.

1.2.1 Why RESET Materials for Projects?

The RESET Materials Standard for Projects (S1.2) guides and rewards project teams for installing products that holistically consider data quality, completeness and performance.

The RESET Materials Standard for Projects is designed to digitally accelerate the analysis of disparate material performance criteria so that resultant data can be more accessible, useful, and scalable. It is built from the ground-up to leverage cloud software to rapidly score both products and projects.

The primary intent of the RESET Materials Standard for Projects is to:

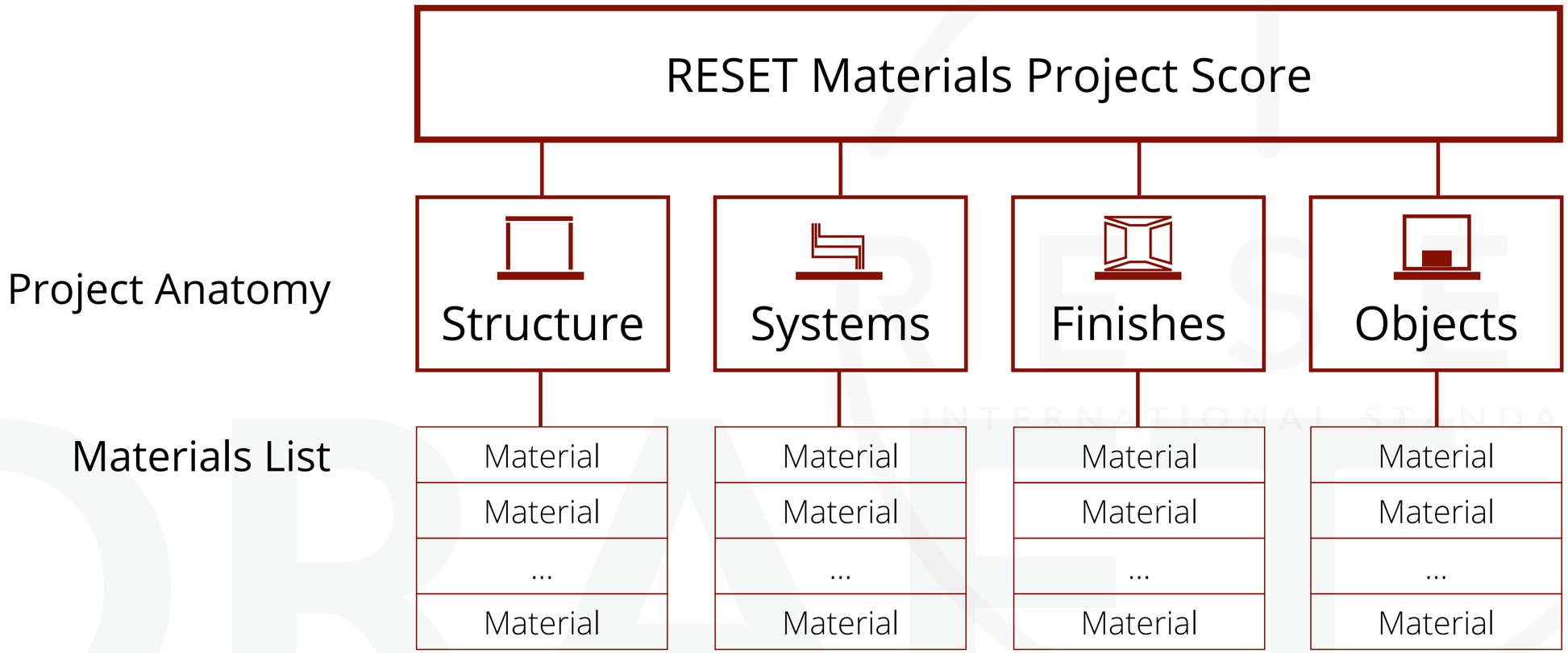
- Help project teams simplify the selection of products and make sense of complex data by enabling comparability between different product standards, internationally.
- Help project teams quantify and benchmark progress on their selection of materials, from project to project.

Additionally, the RESET Materials Standard for Projects seeks to:

- Promote the specification and installation of ecologically-sound, regenerative and healthy products and equipment in the built environment.
- Foster awareness through education and open communication to spur innovation.
- Standardize data quality and data availability on an international scale to accelerate workflow and productivity.
- Support the growth of a publicly-available platform for the collection and sharing of data and information.
- Acknowledge and recognize the efforts project teams and manufacturers take towards improvement of formulations and manufacturing processes.

1.2.2 Scoring Structure Diagram

The scoring structure of a **RESET** Materials **Project** consists of material lists of individual materials used in a project, organized under Project Anatomy, visualized below:



Individual materials are scored according to the Component, Indicator, and Data Parameters, which is described more in depth in the **RESET** Materials **Scoring Methodology for Products, Materials, and Finishes (S1.3)**.

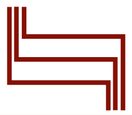
1.2.3 Project Anatomy

Scoring for RESET Materials Projects is divided into 4 anatomies that reflect how a space is designed.

Project Anatomy helps projects divide their materials information into subdivisions so that they can more easily collect and organize material information based on responsibility. Each of the Project Anatomy divisions will have their own score, which then gets aggregated into the overall project score.

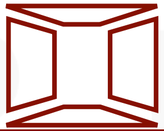
Structure

Structure consists of materials used to build the building structure (in Core & Shell) or sub-structure (in Interiors).



Systems

Systems consist of all mechanical systems that operate within the space, including mechanical, electrical and plumbing.



Finishes

Finishes consists of all permanently installed substrates, finishes and fixtures.

Objects

Objects consists of all movable objects, including furniture and equipment.

1.2.4 Material List and Materials Scoring

Under each Project Anatomy is a list of materials that are used in the project.

Individual materials are scored according to the Component, Indicator, and Data Parameters, which is described more in depth in the RESET Materials Scoring Methodology for Products, Materials, and Finishes (S1.3).

Data Parameters in the context of the RESET Materials Standard for Projects is represented by completeness, quality, and performance, also outlined in the RESET Materials Scoring Methodology.

The RESET Materials Scoring Methodology produces a score based on the sum total of all of the Components of the Standard and the subtotals of all of the Indicators and Data Parameters that are nested under each Component.

For more information, please go to RESET Materials Scoring Methodology for Products, Materials, and Finishes (S1.3).

1.2.5 Project Typologies

The **RESET Materials Standard for Projects** can be applied to both **Commercial Interiors** and **Core & Shell** typologies, as well as both new construction and existing projects.

Commercial Interiors

The **RESET Materials Standard for Commercial Interiors Projects** targets an interior space. This typology focuses on the evaluation of building materials and products used in the fit-out of interiors, inclusive of the Structure (substructure), Systems (MEP), Finishes and Objects (furniture & equipment).

Core & Shell

The **RESET Materials Standard for Core & Shell Projects** targets a building and the public spaces managed by the building operator. This typology focuses on the evaluation of building materials and products used in the construction of the Structure (building structures and envelopes), System (MEP), Finishes (Curtain wall), and Objects.

The **RESET Materials Standard for Projects** can be applied to both the **Commercial Interiors** and the **Core & Shell** scopes simultaneously to yield a holistic score for the entire project.

1.2.6 Implementation

When implementing according to the RESET Materials Standard, start by collecting a list of all the materials that are being used and installed in the project. Leverage the Project Anatomy to better organize your material lists. Projects can choose to focus on all four anatomies or just one as the scoring will consist of scores for each individual anatomy.

Once you have the list, each material needs to be scored according to the rules in the RESET Materials Scoring Methodology and aggregated into a final score for the project.

Thus, to make the RESET Materials Standard work efficiently, we built two important technology pieces:

1. **ORIGIN**
   A materials management platform for suppliers, designed to establish chains-of-custody for health and sustainability data of products.
   https://origin.build/

2. **MATTER**
   A materials management software for project teams, designed to organize products into projects and score the overall project results.
   https://matter.build/

ORIGIN and MATTER provide automated scoring based on available data. The resulting connected materials ecosystem empowers the sharing of materials data, making it more transparent and accessible.

1.2.7 Project Accreditation Process

Project accreditation is available for the RESET Materials Standard for Projects, for any typology seeking to evaluate and further understand the products installed in their architectural and interior projects. Projects are eligible to become RESET Accredited with successful completion of one or more of the Components listed in the RESET Materials Standard for Projects.

RESET Materials Project can be accredited by RESET when they go through the auditing process. The auditing process includes 2 parts:

1. **Documentation Audit**
   The documentation audit is a desktop review of project details, including plans, elevations and lists of products used. Plans and elevations are to be submitted to the RESET Cloud, while material lists are managed on MATTER. The Documentation Audit serves to ensure that the information required for the Site Audit is complete.

2. **Site Audit**
   The site audit consists of a walk through of the completed project, in person or virtual, to visually confirm that the drawings submitted match the final project in terms of materiality. A written statement from the contractor, attesting that the products installed were those that were specified, completes the documentation for accreditation purposes.

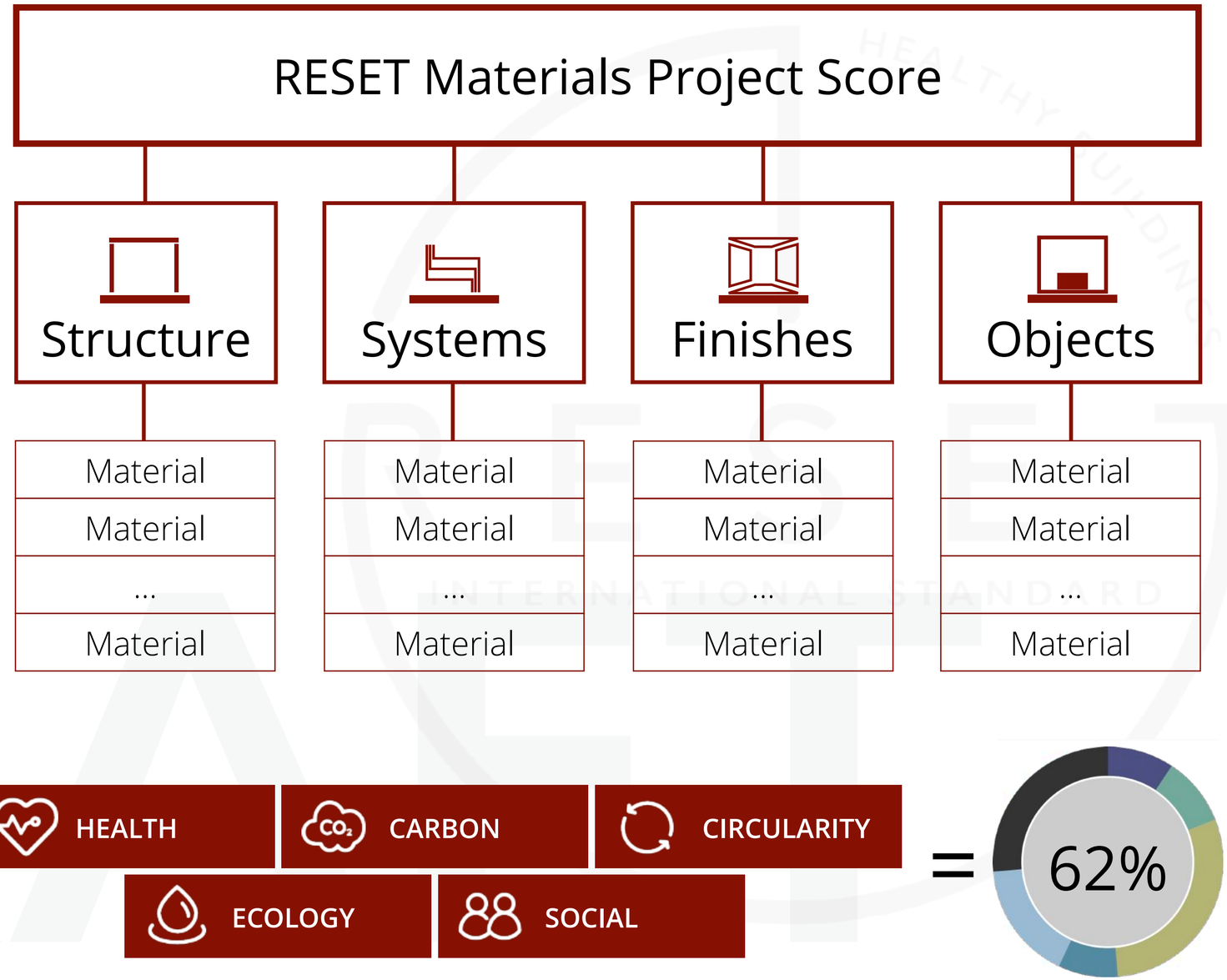
Once both audits are complete, the project will be a RESET Materials Accredited Project with a RESET Materials Score.

1.2.8 Final Scoring Methodology

The RESET Materials Standard for Projects final score is an average aggregate of all the materials used in a project. Individual scores are aggregated for each of the project anatomies, as well as each component, allowing projects to have a very granular view over their product choices.

Granular data on the individual performance characteristics of materials included in a project, allows teams to more accurately understand the collective impacts materials have on their projects.

Project scoring also help highlight the importance of data completeness and quality, alongside data on product performance.



1.2.9 Next Steps

The RESET Materials Standard for Projects is now entering the second stage of its pilot phase. During this time, the primary goals of the semi-public pilot phase will be:

1. Taking in feedback from users to improve the standard.
2. Testing improvements in the score with additional pilot projects.
3. Refining the development of the material data management softwares for suppliers and project teams.
4. Formally setting up the accreditation process.
5. Preparing educational content for a RESET Materials AP program.

If there are any questions, feedback, or concern, please don't hesitate to reach out to us at **info@reset.build**.

End of RESET Materials Standard for Projects