



A REVOLUTIONARY BUILDING SYSTEM

Stasis Building is your resource for facility performance.

A revolutionary building system requires design and construction expertise. Working together with Integrated Structures and Axiom Engineers, Stasis Building delivers the required expertise through a comprehensive service offering that is developed to meet project performance at every phase of the project. Our ability to effectively collaborate, combined with our technical experience allows us to deliver high-performance facilities, from a multi-million-dollar cold storage facility or a boutique winery production facility.

01

PRE-DESIGN

Each project begins with a fiscal analysis (LCCA) evaluation of Energy Mass™ wall and mechanical systems. Working together with the client and the architect, we develop Basis of Design, set goals and standards for green building, which also includes a site analysis of the zoning and entitlement envelope.

02

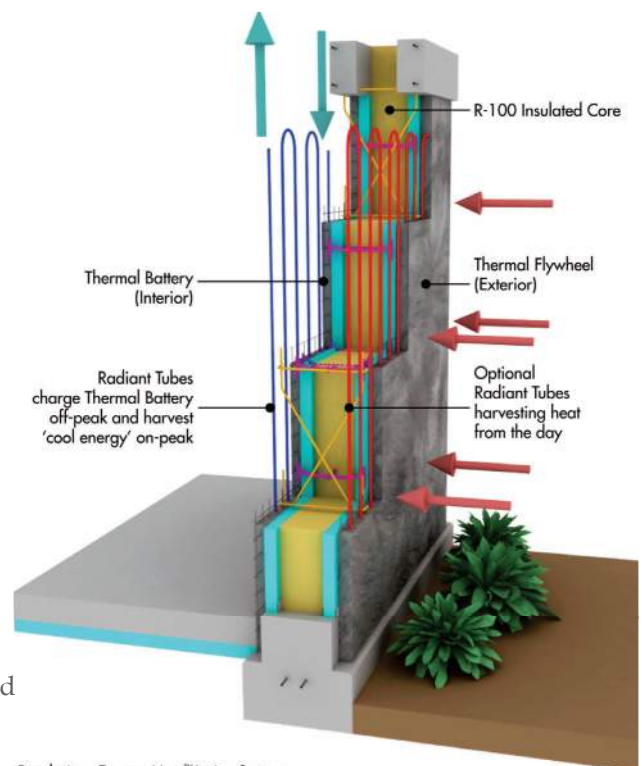
DESIGN

Lead design services. Stasis through Integrated Structures and Axiom Engineers can take a lead role in designing and planning your next project. This turn-key approach includes planning and entitlement approvals, site design, architecture, structural and mechanical engineering. We will work with the client from concept to permit and construction bid.

Support design services. When the Energy Mass™ wall is chosen for a project, the system brings unique qualities and attributes to the table that require professional support through each design phase. The wall is load-bearing and a lateral force resisting system. Working with the Architect and other team members, Stasis Building provides engineering services for the wall with regard to the integration with the roof and foundations. Alternatively, our team can provide engineering for the entire

project and be the Engineer of Record.

Stasis Building provides integrated turn-key solutions. For example, space conditioning systems are integrated into the walls through radiant surfaces and the high mass – high insulation character of the walls require specialized energy modeling and control systems. Stasis provides fire-protection design-based specifications to take advantage of the Energy Mass™ walls extraordinary fire resistance and tight envelope. This approach addresses the new normal of wildfires and smoke in addition to the code required protections.



Rendering, Energy Mass™ Active System

03

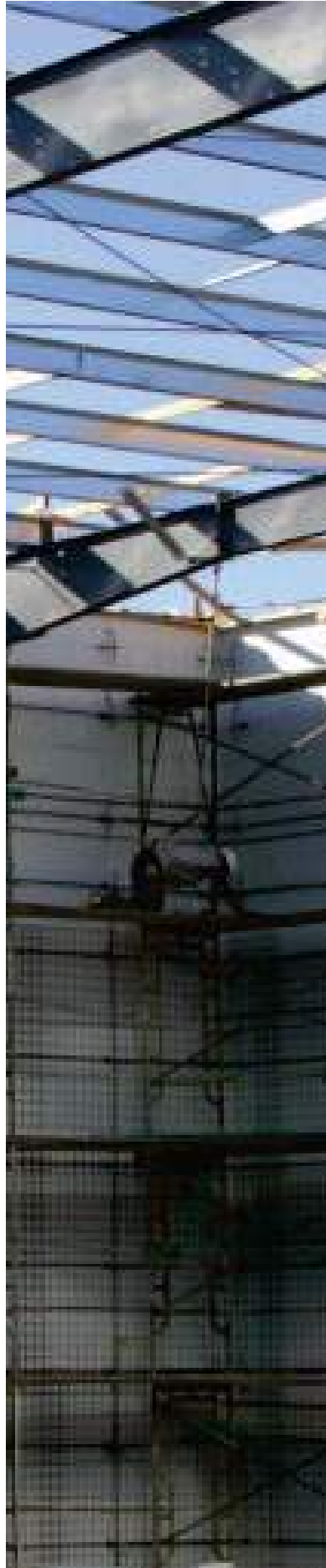
PRE-CONSTRUCTION

During the design phase of a project, Stasis Building can develop a 3D building information model (BIM). All areas of the design including architectural, mechanical, electrical and plumbing are clearly explained and coordinated to (1) eliminate surprises and (2) understand the projects true design intent. Stasis uses the model to develop construction sequencing, cost estimates and scheduling pertaining to the Energy Mass™ wall and can quickly provide alternatives for value engineering.

04

CONSTRUCTION

Stasis Building works with the general contractor and the construction team by



managing the procurement of materials and construction of the Energy Mass™ walls with qualified installers. Stasis coordinates and provides professional services and quality control during the wall systems construction. These include structural observation and documentation by the design engineer, field observations for the integrated mechanical and control systems and special inspectors required for the work.

05

POST OCCUPANCY

Stasis Building creates a commissioning plan and organizes the commissioning team. Start-up and checkout of systems, training, O & M manual and provides a commissioning report.

We provide support with embedded sensors to fine-tune the operational efficiency of the wall and the radiant systems under varying conditions.



In 1994 Integrated Structures, Inc. began research with a high mass, high insulation, fire and earthquake resistant construction system of its own design and was awarded two US patents. The work evolved in a series of designed and constructed structures, including; wineries, cold storage facilities, religious buildings and custom homes. During the 23 intervening years what began as a structural system that could capitalize on free diurnal cooling energy stored in the thermal mass of the walls, evolved into a smart-building system using active radiant heating and cooling in the concrete “skins” coupled with a super-insulated core.

Integrated Structures (ISI) is the brain-child and professional practice for R. Gary Black, tenured Professor of Architecture at UC Berkeley. Over the past twenty-five years, Gary Black and his partner Cullen Burda have pioneered a design process for design-build delivery that offers a viable alternative to the traditional and rigidly defined roles of architects, engineers and contractors.

Gary and Cullen first worked with Ray Cole and Axiom Engineers on a winery in 2002. A collaboration of like minded individuals was born and over the next 15 years Ray and his team developed the smart-building controls and the active mechanical systems integral to the Energy Mass™ wall and other Stasis solutions.

STASIS BUILDING & INTEGRATED STRUCTURES
A revolutionary building system, inspired by nature.

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