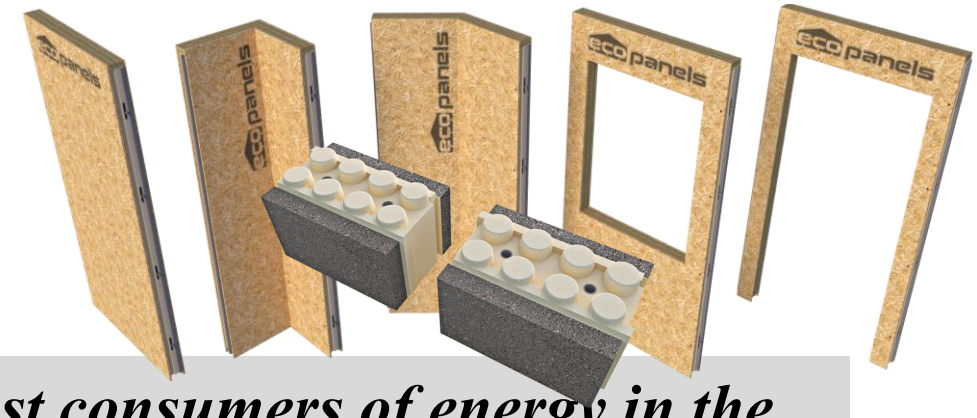
eco panels ®

WHEN YOU'RE SERIOUS
ABOUT ENERGY EFFICIENCY



"Buildings are the largest consumers of energy in the United States – and for most buildings the largest energy use is heating and cooling. And yet we continue to build ALMOST ALL buildings using methods almost 200 years old or older. THROUGH BETTER TECHNOLOGY Eco-Panels will revolutionize how buildings are built in the 21st century while making them stronger, safer and significantly more energy efficient as well as more easily erected (thereby reducing construction costs)."

"This is the most advanced modular building system on the market today"
– US Dept of Energy building scientists

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Structures made with Eco-Panels were the only ones to survive….

Category 5 Hurricane Irma, Sept 2017

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Eco-Panels Foam Core – The Best for the Environment and You

2019

Eco-Panels closed cell foam core has been certified to the indoor clean air standards of the California Dept. of Public Health,

CDPH 01350 v1.2 for School Classroom, Private Office and Single Family Residence.

Eco-Panels *plant-based* and *fire-retardant* rigid foam core *EXCEEDS* the requirements of LEED v4.

No Ozone Depleting Potential (*ODP*), No Global Warming Potential (*GWP*), No Styrenes, No Formaldehydes, No VOCs.

www.eco-panels.com
info@eco-panels.com

At this time we are aware of no other panel company whose foam has achieved this very strict safety rating.

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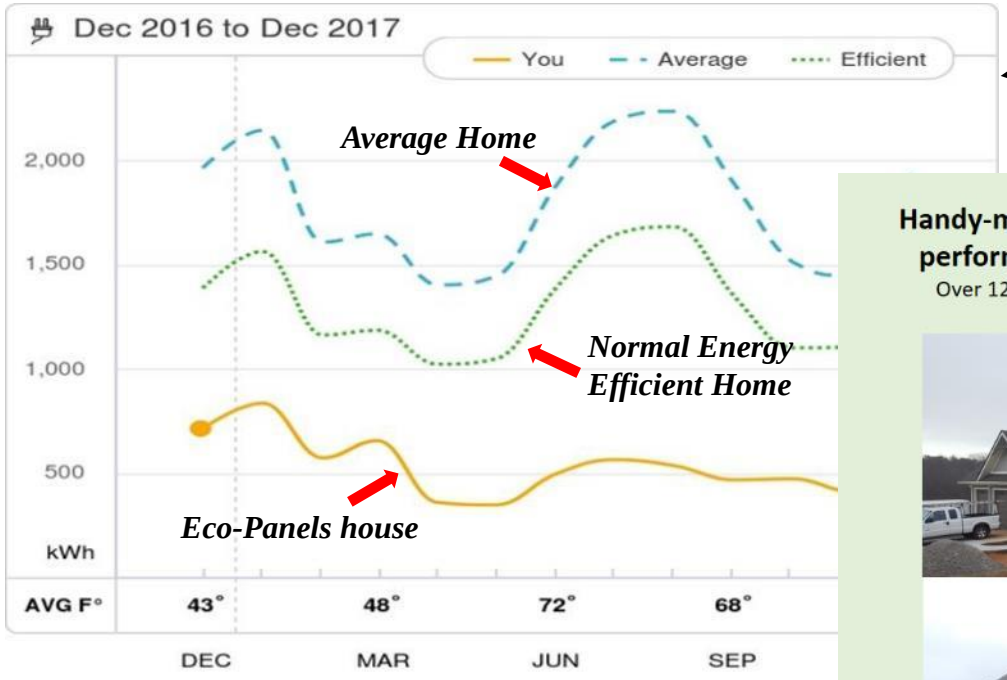
January 2018 – Rec'd Pwr Bill from DIY Client in SC



This is a copy of his energy bill he sent us in January 2018

Handy-man builds his own 4,400 sqft house in South Carolina performing at *passive house* levels for less than $110/sqft.

Over 12 months in the house with average total energy bill around $60-$70.

For an amazing performing house you should start with an amazing performing product. You don't need an expensive and complicated "perfect wall" with many opportunities for error. ***Keep it simple, and build it better, faster and stronger, with Eco-Panels.***

No expensive geothermal, no fancy double stud walls, no solar panels, no paid experts, not even tax credits. Just a 2ton var. spd HVAC system, plenty of overhang on the south side and *one hell-uva wall system!*

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About 1/3 of our clients are owner-builders. We'll do our best to bring our friends/experts to the table where we can't help you ourselves. We do this because we truly value your business and believe that with our panels you can have one of the most energy efficient homes on the planet.

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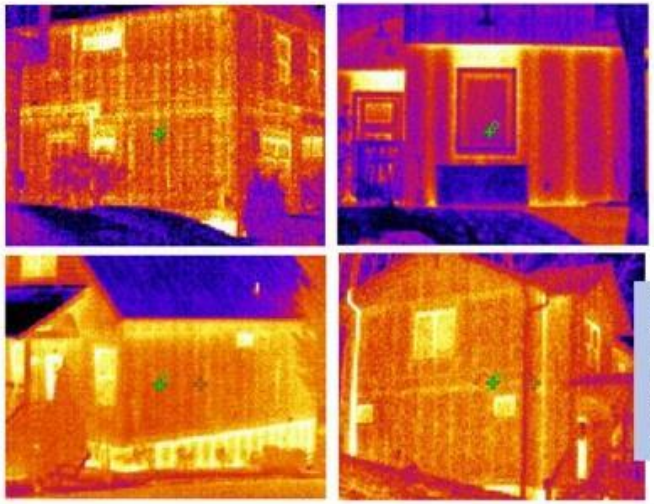
Eco-Panels Energy Loss Comparison

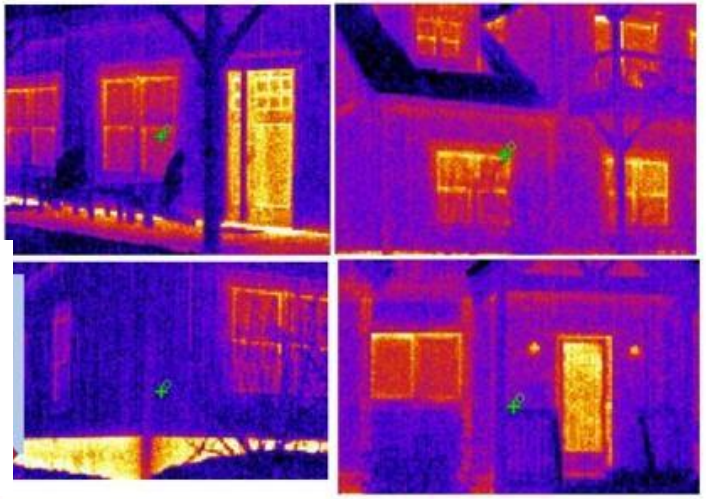
2x6 & Spray foam homes on left side, Eco-Panels homes on right side

Looking to build or purchase a new home?

eco panels
WHEN YOU'RE SERIOUS ABOUT ENERGY EFFICIENCY

There are many fine "green" builders out there, but if they are simply stud framing homes without mitigating ***thermal bridging*** then maybe energy efficiency is not their primary concern (kitchens & bathrooms anyone?). Stud frame construction is the weakest and ***LEAST ENERGY EFFICIENT*** method of construction allowed by law *(building code)*.





These are some recent thermal imaging photos of "green built" stud frame homes (on the left) compared with Eco-Panels homes (on the right) in or near Asheville, NC.

When you're serious about building a stronger and much more energy efficient home, reach out to Eco-Panels. We're creating ***the most efficiently insulated homes on the planet!***

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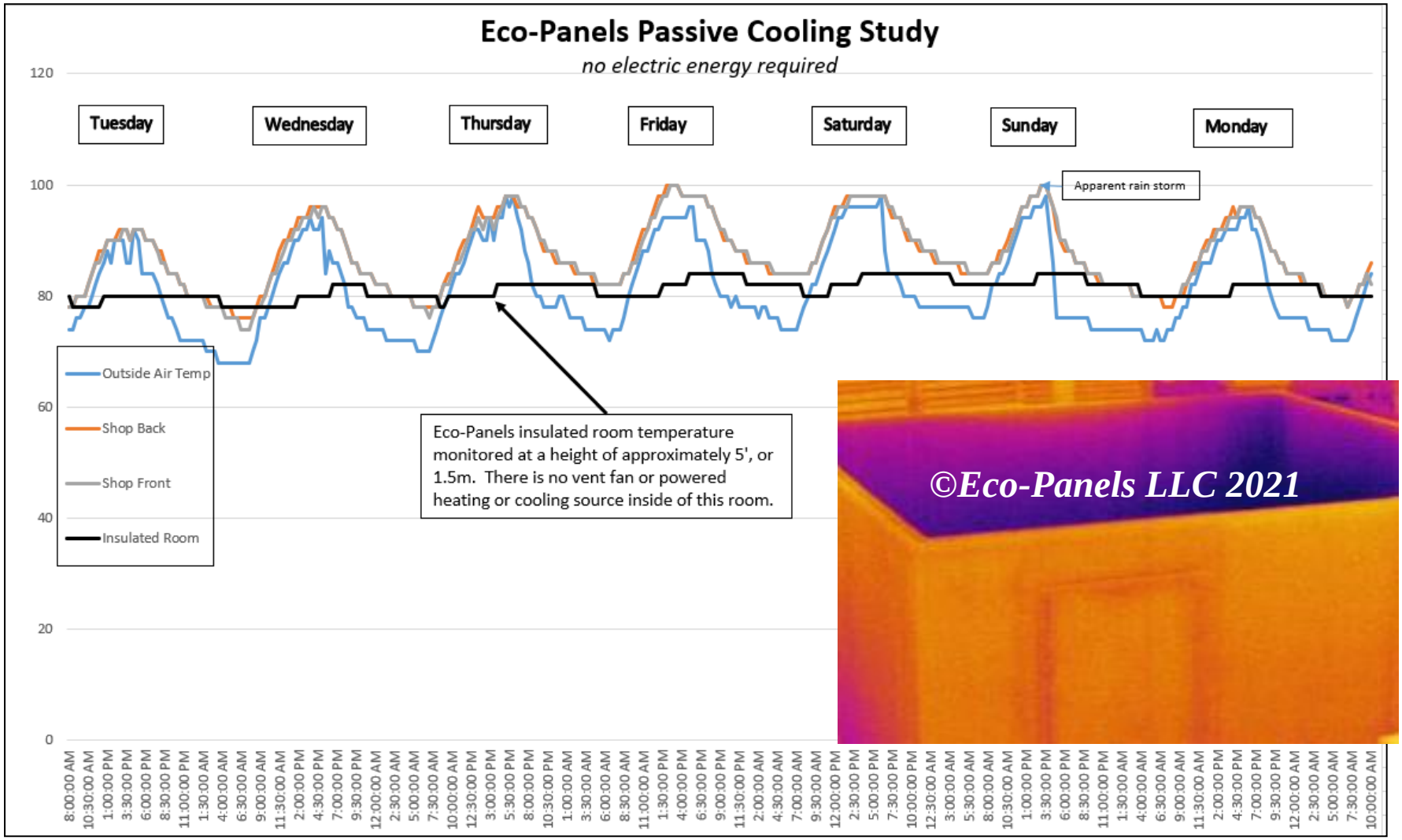
Pioneering the Concept of ***Passive Cooling***

Eco-Panels Introduces Concept of Passive Cooling to the Building Industry



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Eco-Panels 2018 - Respected in the Industry

Manhattan West, NYC *– largest private development in U.S.*

Eco-Panels was proud to develop a new type of bearing enclosure system for fire protection of critical infrastructure in this amazing Brookfield Properties development on the west side of Manhattan.

For safety and structure, our custom panel systems are proven to reduce jobsite costs while adding value not previously seen in the workspace.

SOM's manhattan west mixed-use project symbolizes renewal of NYC's underdeveloped far west side

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Eco-Panels 2019-2021 - Respected in the Industry

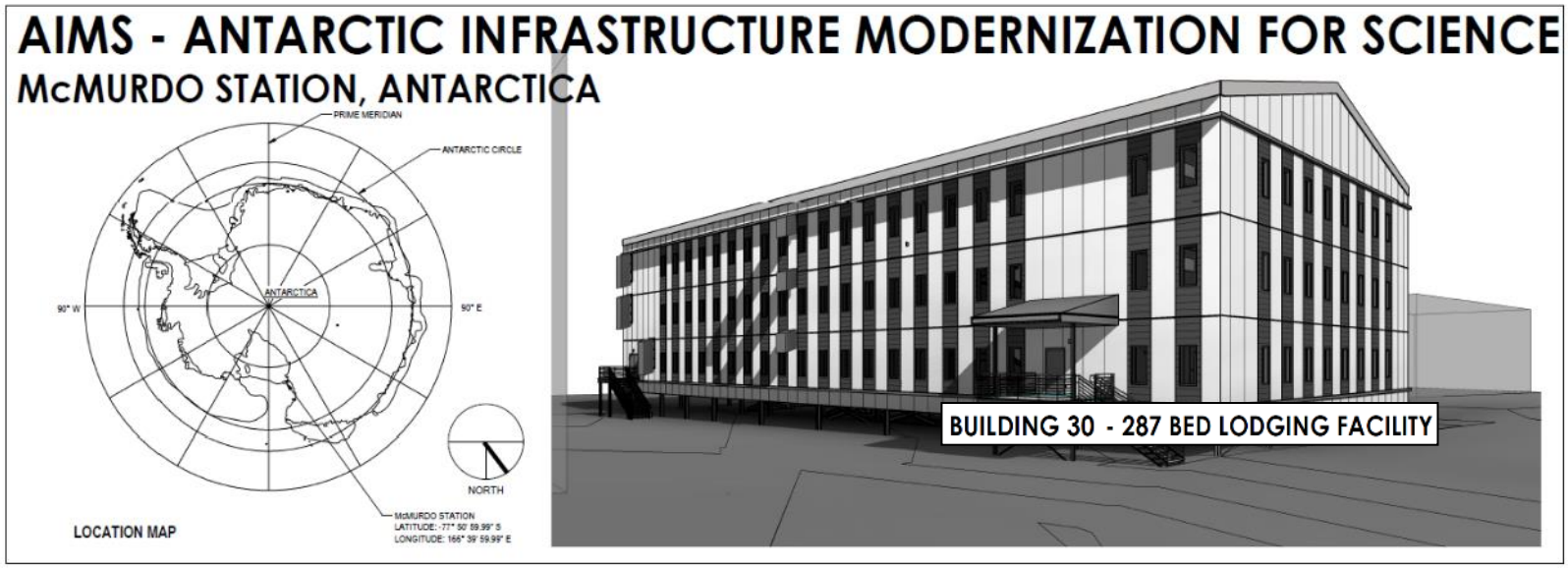
With perhaps the harshest climates on the planet, Eco-Panels has the prestigious honor of being selected as the best solution to provide the primary building envelopes for the 8yr project of rebuilding the primary Antarctica research facility complex McMurdo Station for the **National Science Foundation** – known as the AIMS Project.

OWNER: NATIONAL SCIENCE FOUNDATION
OFFICE OF POLAR PROGRAMS

UNITED STATES ANTARCTIC PROGRAM

PARSONS

DESIGN/BUILD CONTRACTOR: PARSONS FEDERAL SERVICES GROUP



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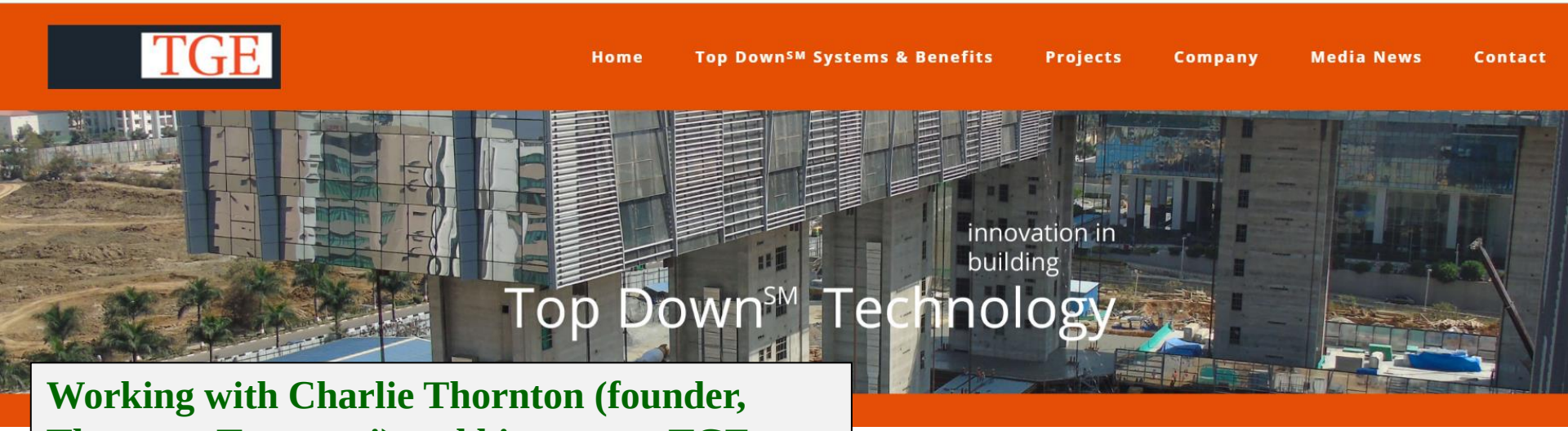
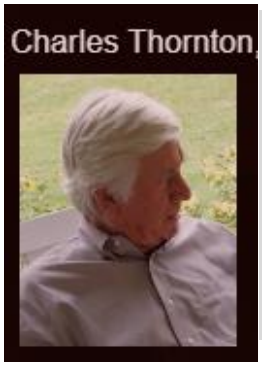
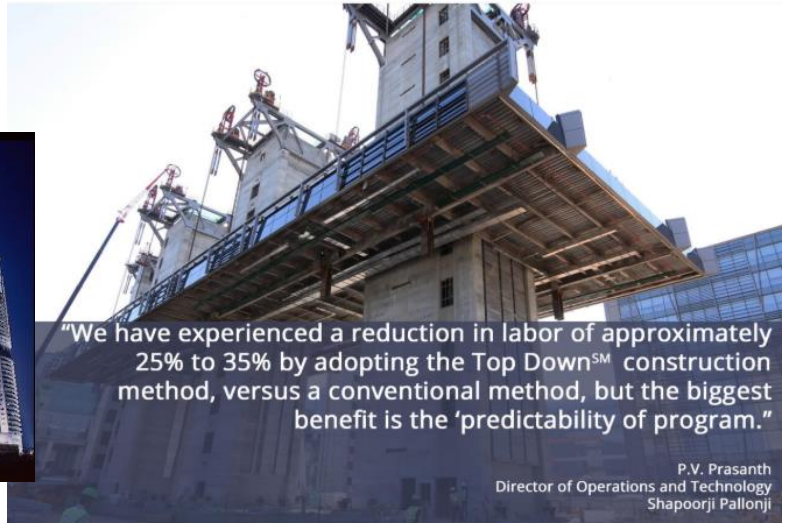
Eco-Panels 2019 - Respected in the Industry



Working with Charlie Thornton (founder, Thornton Tomasetti) and his team at TGE TopDown to revolutionize the COMMERCIAL building industry through TECHNOLOGY.



"We see Eco-Panels as a critical component in our strategy to substantially disrupt the commercial building sector."
- Charlie Thornton



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Invention for 2020 – The ***EPIC*** Block

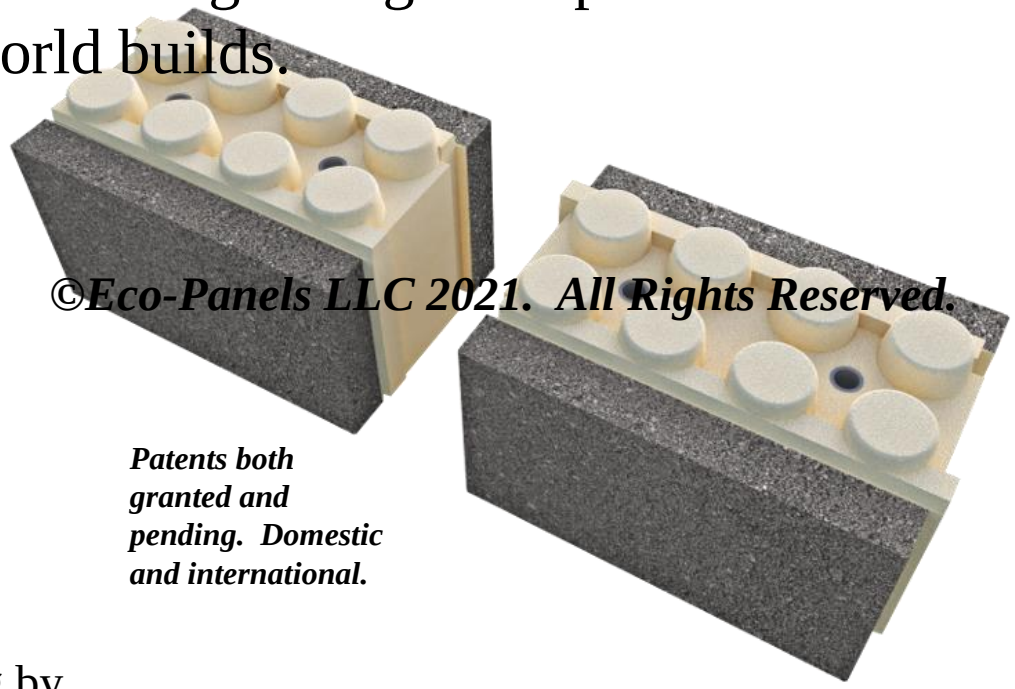
The Eco-Panels Insulated Concrete Block

The most common building component on the planet is the concrete block or brick. And yet these structures require a skilled mason to erect and are not at all energy efficient….

Eco-Panels has impressed BASF enough to agree to partner on this initiative to change how the world builds.

Eco-Panels will license to concrete products fabricators all over the world to add VALUE to their ***existing*** product inside their ***existing*** facilities.

What used to be a commodity product is now a value-added product that no longer requires mortar, concrete fill or a skilled mason.



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Patents both granted and pending. Domestic and international.

BASF will handle equipment & training by leveraging their existing worldwide infrastructure.

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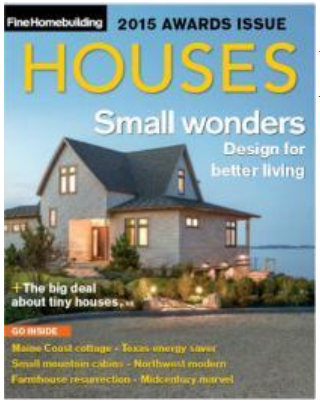
Eco-Panels – *a few other Notables*

Invited to & participated in Brad Pitt's "Make It Right Foundation" work in New Orleans after Hurricane Katrina - worked with world famous Japanese architect Shigeru Ban.

Selected by Stanley Selengut, the "Father of Eco-Tourism", to be the preferred new building solution for his St. John USVI development, winner of Caribbean Green Building award of outstanding achievement.

Provided full envelope – wall, roof and floor panels - for most energy efficient home in the Southern Hemisphere (as rated by PHPP), Queenstown, NZ, (photo from Dwell.com)



Fine Homebuilding Magazine

International relief housing operations, US State Department humanitarian export licensed. Housing erected quickly (1/day) by untrained Asian villagers.

Ruggedized mobile medical clinics - USA, Kenya, S. Africa, Zimbabwe, Haiti, Peru, Dominican Rep.

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Eco-Panels 2017 & 2018
Respected as Best on the Market

Solar Decathlon Competitions – a Look at the Future of Housing

The U.S. Department of Energy Solar Decathlon is a collegiate competition, comprising 10 contests, that challenges student teams to design and build highly efficient and innovative buildings powered by renewable energy. The winners will be those teams that best blend design architectural and engineering excellence with innovation, market potential, building efficiency, and smart energy production.

In 2017 in Denver Colorado, 13 teams from around the world competed to showcase new technologies for the best performing homes. Only two of these homes deployed structural insulated panel systems – BOTH of those teams – Northwestern & UC Davis - used Eco-Panels technology in their award winning building envelopes.

In 2018 the United States has ONE entry in the International Solar Decathlon competition in November in Dubai. This entrant, Virginia Tech, chose Eco-Panels as their preferred panel system.

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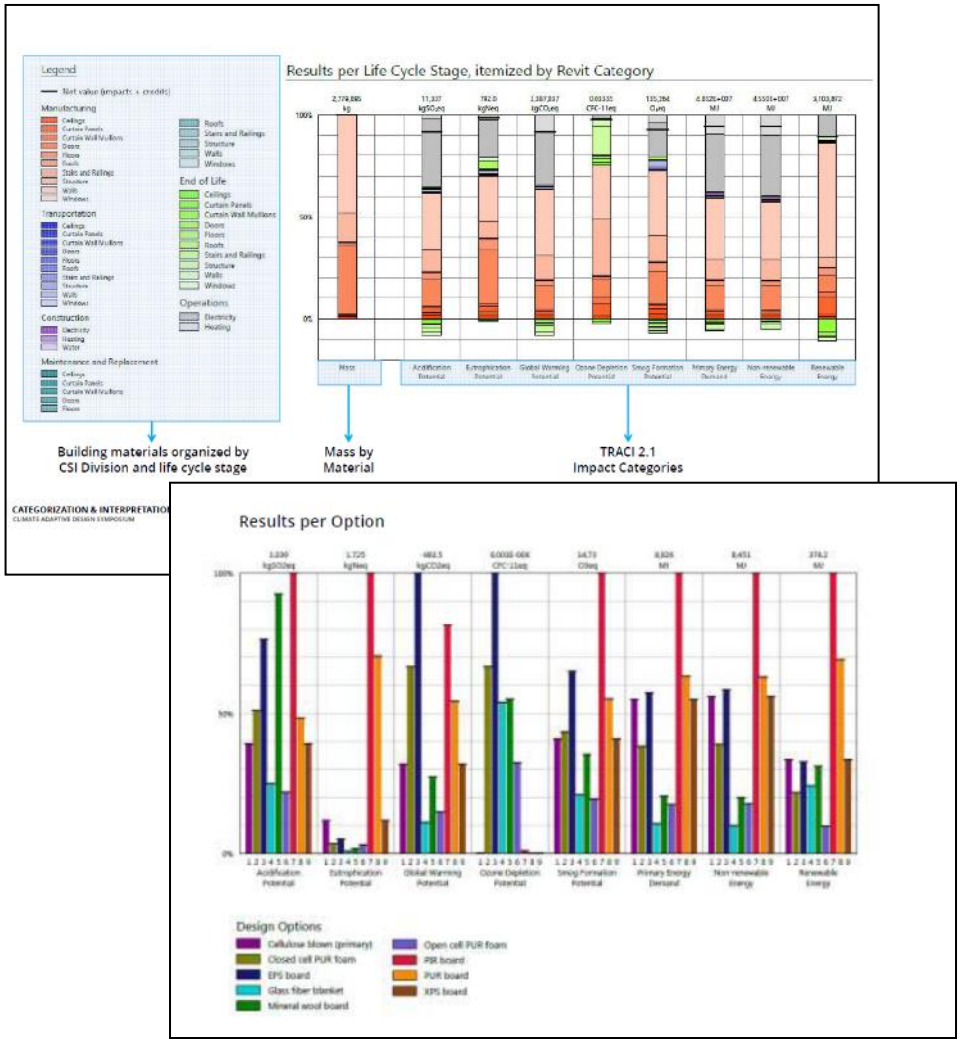
Growing Consensus in Materials Selection in the Architectural World, Nov 2017



At a symposium on ***'Architecture in the Age of Climate Change'*** in Nov 2017, internationally renowned architectural firm KieranTimberlake noted that they ***no longer specify EPS (expanded polystyrene, like Styrofoam®), XPS or PIR insulation*** in their projects due to their overall negative impact on the world around us.

Eco-Panels uses only closed cell polyurethane foam, a product reviewed positively by the KieranTimberlake materials team.

Estimated 90% of the "sip" panel market in the US uses expanded polystyrene foam, of the type now increasingly frowned upon.

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Eco-Panels would like to welcome to our core team Robert Steffen, P.E., PhD. Robert is an internationally known expert in composite materials and their structural properties and is capable of operating in all fifty of the United States of America as required.

Dr. Steffen is the Technical Chairman of the American Composite Manufacturers Association and was a lead structural engineer with Kreysler & Associates for the composite façade on the recently renovated San Francisco Museum of Modern Art. Dr. Steffen is also faculty at Western Carolina University.

The San Francisco Museum of Modern Art. Courtesy the San Francisco Museum of Modern Art, © Henrik Kam.

"I am very excited and honored to join the Eco-Panels team. No other company in the building industry offers the imagination, innovation and foresight that the Eco-Panels team brings to the market. Our future will truly be brighter, and better, as people and governments migrate to more advanced building solutions like they bring to the table." - Dr. Robert Steffen, P.E.

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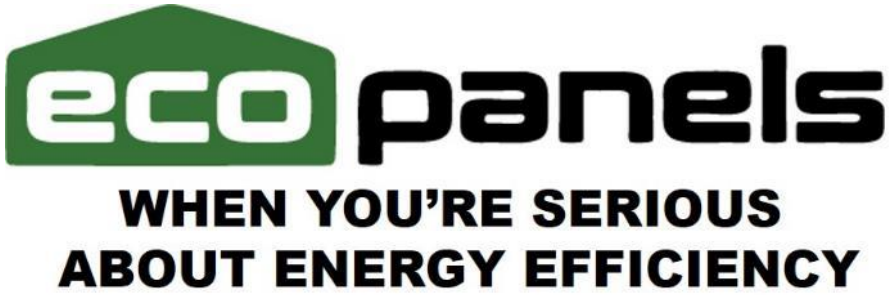
Stronger. Safer. Significantly more Energy Efficient.



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