

Creative & Adaptive

BY DAVID VINSON, PHD

INTERIOR DESIGN

......

XXXXXX

Interior design is often inspired by the aesthetics of the exterior structure. Art Nouveau is one familiar example, with the Old England Building in Brussels and the Casa Mila in Barcelona as ideal models of how exterior and interior can function in a seamless continuum. Many contributors to interior design literature suggest, however, that something is lost when exterior and interior are so deliberately aligned. Walter Benjamin, for instance, argues that the interior loses its autonomy and becomes highly individualistic. Others express a similar concern—that the potential for interior spaces to adapt and evolve to meet the occupants' needs is sacrificed in the interest of a governing aesthetic. Decorating and designing an interior space entails distinct levels of intervention, determining to different degrees the extent to which architecture can change. While interiors can be conceived simultaneously with the building, a distinctive design approach can also make interiors more amenable to changes sparked by shifting attitudes related to functionality and aesthetics.

Across the country, private universities and colleges are exploring how interior design can be put to adaptive re-use. Treating interior spaces as blank canvases means that designers are no longer bound to a building's exterior aesthetics; in turn, they can more freely address the evolving wants and needs of students, faculty, and staff. Creative, adaptive design also serves a key cultural function by reflecting the diversity and values of an institution and its broader community. In this respect, design can become personalized and meaningful, providing its occupants with a sense of stability and belonging.

Simplicity and Style at Caltech

The California Institute of Technology (Caltech) is known for its world-class training in science, mathematics, and engineering. It is therefore no surprise that innovative technology and design were embraced during the 2018 renovation of the Ronald and Maxine Linde Hall of Mathematics and Physics. What is surprising, however, is that simple design elements were also utilized to transform the functionality and aesthetics of the building. The renovation serves as an example of creative, adaptive design which certainly embodies the wants and needs of the Caltech faculty and student body.

The 27,000 square-foot project included completely renovating the 1922 building's three main levels, transforming part of the 1931 wing's top level into an auditorium, and then replacing all mechanicals, electricity, and plumbing. Gutted to the slabs and then rebuilt, the interiors addressed several issues. For one, the building's interior was drab and dated—classrooms equipped with rows of tablet-arm seating, plus offices crammed with desks and chairs. There was no furniture plan, and the learning quarters and meeting spaces were inhospitable. Following the renovation, interiors now offer private offices for the departments' professors and postdoctoral

continued on next page

Air Filtration: Your next Energy Conservation Measure?

The Dynamic V8 Air Cleaning System offers sustainable MERV15 performance for better IAQ, using 2/3 less fan energy than MERV14 filters and removing odors, VOCs and ultrafine particles without Ozone. The Dynamic V8 also offers average maintenance intervals exceeding four (4) years.



The Dynamic V8 can cut fan energy costs in half. And additional substantial savings may be available through reduction of ventilation air requirements using the IAQ Procedure in ASHRAE Standard 62. The IAQ Procedure allows recirculated indoor air to be cleaned rather than supplemented

with outdoor air that requires heating or cooling. Schools can achieve higher rates of air filtration with much lower pressure drop, allowing HVAC systems to operate at lower brake horsepower than comparable conventional air filtration systems.

Visit DynamicAQS.com or ask us about a free Life Cycle Cost Analysis to find out how much you can save on fan energy and maintenance costs.

Clean+Green Dynamic





95% of Your Cleaning With <u>One</u> Product?



SIMPLICTY + CHOICE

STEP 1: Choose Just **ONE** Multi-Purpose Cleaner for **95% of Your Cleaning STEP 2:** Supplement with Our Specialty Cleaners & Disinfectants *As Needed*



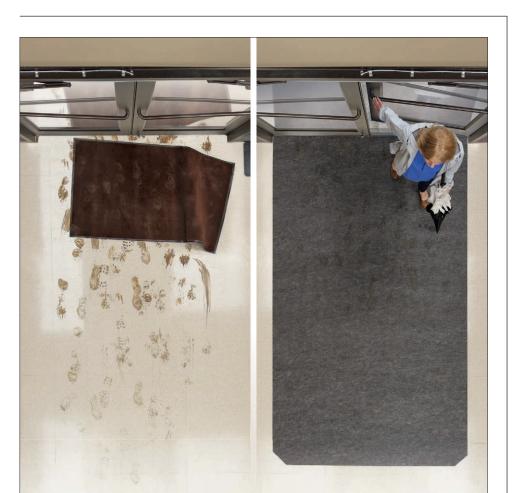
NO-RISK TRIAL Get a \$100 gift card! Call 1-800-281-9604 And mention this ad!*



STICKY FLOORS? FIND OUT WHY! Scan the code and get your FREE Ebook now.

© 2022 EnvirOx, LLC. All Rights Reserved. *While supplies last. Offer open to new customers who sign-up and install a no-risk trial.

faculty as well as shared offices for graduate students. Moreover, after discussions with professors about the changes they'd like to see, the project team addressed how the physical act of crossing an office threshold can be intimidating. Their solution was to provide spaces where faculty and students could meet serendipitously, without structure or intent. Faculty was also adamant about having easy access to blackboards. These are now located throughout the building, and some cover entire walls. Professors at Caltech still write with chalk, they explain, as a form of mind-body communication.



COVERAGE WHERE IT COUNTS.

Create safe walk-off coverage with **PIG Grippy Mat.**

Visit newpig.com or call 1-800-HOT-HOGS.





Ö

in perforated felt colored in contrasting chartreuse and lime green. Opposite the niche is a coffee bar accompanied by a break area with round chairs, angular benches, and laptop tables, all of which are anchored by hexagonal carpet tiles. The third floor now includes a large events space with folding doors between a classroom as well as a lounge retract. The space likewise benefits from a fortuitous discovery, one uncovered during demolition-striking steel trusses that crisscross below a sixteen-foot ceiling. The large events space is where speakers, faculty, and students can mingle before and after presentations. Visitors also encounter a series of math-inspired graphics located throughout the building. The entry's floating ceiling is downlit to draw attention to cutouts representing the number pi. Frosted film on glass walls alludes to geometric forms. Even a coffee bar references sine waves via wall tiles. Such design principles are simple but effective in

The interior design of the Ronald and

Maxine Linde Hall is distinctive and welcoming. Just inside the entry, one

encounters chartreuse lounge chairs arranged

in a circle, a space that has become a popular

hangout for all passersby, not merely official

visitors. On the second floor, a hallway widens

to accommodate a seating niche wrapped

Award-Winning Interiors at **Claremont McKenna College**

mirroring the culture and values at Caltech.

Located at the foothills of the San Gabriel Mountains in California, Claremont McKenna College has challenged preconceived ideas about how fitness centers can be designed for both aesthetics and functionality. For one example, the remarkable Roberts Pavilion is LEED Gold-certified and features design elements so creative that the building has generated nation-wide recognition, earning several awards such as the Interior Design Best of Year Award (2016) as well as honorable mention for the American Architecture Prize (2016). The 144,000 square-foot facility spans three floors and functions as a fitness and events center as well as an athletic center for the Claremont-Mudd-Scripps intercollegiate, intramural, and physical education programs.

Patrons enter through a vaulted glass lobby with a social and study lounge. To the north

ALL NEW COMMERCIAL XD-SERIES FIELD & BRUSH MOWERS

Add a BEAST to Your Fleet

The ULTIMATE Rough Cut Mower!

- Flatten tough field grass and saplings up to 3" thick
- Dual Hydrostatic Drive for fingertip control
- 26" or 30" cutting width

SALE

• Commercial engines with 3-year Warranty

Visit us online today! DRpower.com/XD

XD26

with 10.2 HP Honda

XD30

with 18.5 HP Kawasaki 🥿



Assembled in the USA ENGINEERED AND BUILT



A safer world. Nothing is more important than student

safety. Which is why we build safety into our products. With the world's most advanced containment, you can rest assured your students are working safer, and smarter. Labconco. Here's to a safer world. labconco.com/fumehood





LABCONCO.

is a two-story 10,000 square-foot fitness studio with equipment oriented toward windows facing the San Gabriel Mountains and the Axelrood Aquatic Center. Located to the west side of the first floor are two large exercise rooms for yoga, aerobics, spin, dance, and other group classes. The south side of the Pavilion's first floor is home to CMS Sports Medicine, which is equipped with two hydrotherapy pools, five trainer tables, and several therapy stations available to all CMS athletes and students. Also accessed from the lobby is a three-story arena that seats upwards of 2,200 visitors. The triple-height venue for the basketball court is underground, while the gym and dance studio are above, hugging the perimeter. The design allows for sunlight to flood the entire building. In fact, sunlight is regarded in the Pavilion's design as a building material, albeit an intangible one. The façade's abundant windows, along with transparencies for exterior and interior partition walls, work together to provide natural light. The façade's system of terra-cotta panels helps to create the Pavilion's energetic curves. Its cream-colored surface is punctuated by vertical strips in the college's colors of white, cardinal red, and golden yellow. High on the wall of the atrium where the reception area is located, the CMS name is spelled out against a backdrop of letters, symbols, and phrases from the ten most commonly-used languages on campus. This display provides a simple but effective means of displaying the diversity of the CMS community.

Finding Design Inspiration across the Country

Private universities and colleges are taking on ambitious interior design projects that embrace functionality and beauty alike. Many colleges and universities beyond Caltech and CMS can provide examples. For instance, Columbia University's Lecture Hall displays a fumed oak herringbone floor and its gorgeous white ceiling designed to mimic sound waves. Another exemplary case is Rice University's Moody Center, which is awash in tawny brick darkened with manganese dioxide and iron. The building's upper mass looms with gravitas, whereas the enclosed ground level appears weightless in contrast. Also included are modernist elements such as structural columns that erupt into starbursts of spokes. The Bloomberg Center at Cornell University stands tall below a photovoltaic canopy that offers astonishing views of the Manhattan skyline. One of the building's unique features is the façade, which is designed to take advantage of natural light, the scenery outside, as well as coverage. With these examples-a few among many-we can see how creative, adaptive design transforms interior spaces. The results can be stunning.



ABOUT THE AUTHOR: Dr. David Vinson has a PhD in English with specializations in transatlantic literature and cultural studies. He is a committed scholar, teacher, and dad. If you ever meet David, avoid the subject of soccer. His fandom borders on the truly obnoxious.

Hytera HALC Push-to-Talk Over Cellular Radios











Contact Hytera US Inc today for more information Visit www.hytera.us or call (954) 846-1011 We have full inventory for immediate shipping

Push-to-Talk over Cellular (PoC) and Wi-Fi

- The most advanced and reliable PoC system available
- Rapid deployments at a lower cost than traditional radio systems
- Uses existing 4G/LTE cellular networks and campus Wi-Fi networks
- Widest variety of rugged and durable PoC devices
- Industry leading audio quality with digital noise reduction
- Available as a subscription service or as a customer owned system