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The Masonry Society

Sustainability E-News

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SPONSORED EDITION

From the Editor

I've included articles on 3D printing in this newsletter before. The latest is looking at "printing" a building. Can you imagine that?! While far from mainstream, or even economical at this point, 3D printing is certainly innovative, and is just one of the new technologies being embraced by designers. What innovations are you embracing in the area of masonry? How can these technologies be employed by the masonry industry? Share your thoughts and ideas with me for inclusion in a future edition of *Sustainability E-News*.

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NOTE: Inclusion in this newsletter is not an endorsement of the products and materials featured, nor have these products been evaluated by TMS or the editor. Furthermore, the views expressed in the articles featured are those of the article authors.

GREEN BUILDING NEWS

One of the areas with relatively little progress is the idea of "green" financing. On the residential side, most green homes have lower utility costs than traditional homes. Now Colorado has created a program for Zero Net Energy homes that provides substantial savings for the homeowner. ~Tina

Factors Driving the Move Toward Energy-Efficient Buildings **EARTH TECHLING**

The need to reduce energy use and minimize risk from natural disasters and market forces are some of the factors that make the case for high-performance buildings, according to a [whitepaper published by Legrand](#). The report explains that buildings are part of the national infrastructure and are expected to meet the needs of its occupants. Meanwhile, investment in "intelligent efficiency" in the built environment could see a surge in popularity, writes Nick Lombardi, chairman of the Advisory Board for the Center for the Sustainable Environment at the Schack Institute of Real Estate at New York University in [this article](#).

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Platinum Level

Are We Transforming the Green Building Market?

Vision 2020

In just one year, the energy market has undergone significant energy changes. Cliff Majersik of the Institute for Market Transformation highlights key developments you should know in [this article](#).

Green Buildings May Take up 55% of Nonresidential Market by 2016

CLEAN TECHNICA

Green buildings could account for more than 55% of commercial and institutional construction projects by 2016 and generate \$248 billion in revenue, according to a [new report](#) from the U.S. Green Building Council. In 2012, green buildings comprised 44% of nonresidential construction, and today, 35% of construction jobs are in the green sector. [Read more](#).

Is Resilience the New Motivation for Sustainability?

ECOBUILDING PULSE

In the second installment of a three-part series on past winners of the Hanley Award for Vision and Leadership in Sustainable Housing, Alex Wilson, the 2010 award winner, talks about on how the prize funded a bike ride that changed his career. [Read more](#).

Colorado Takes a Step Forward with ZNE Mortgage Credits

ARCHITECTURE 2030

Thanks to the Colorado Energy Saving Mortgage Program, a homebuyer purchasing a new or renovated Zero Net Energy home is eligible for an \$8,000 reduction on financing the total cost of their home mortgage. Will other states follow? [Read more](#).

Could 3D printing be scaled to mitigate world's housing issues?

DEUTSCHE WELLE (GERMANY)

Dutch design firms DUS Architects and Universe Architecture are racing to build the world's first 3D-printed house according to [this article](#). DUS has developed its own 3D printer, an approximately 20-foot-tall KamerMaker, or Room Builder, to create a canal-side house, while Universe will use a D-Shape printer to "print" its Landscape House design. "That's also why we want to do it -- to see what this technique actually can mean for housing 7 billion people on this planet -- because at the moment, with the current construction techniques and how we play with resources in this world, it's not sufficient enough," said Hans Vermeulen of DUS.

GREEN CERTIFICATION

The first link below includes several historic masonry buildings that have achieved LEED certification, including a loadbearing brick masonry building. Renovating these durable masonry buildings is testimony to the longevity of masonry. ~Tina

20 Historic Buildings You Probably Didn't Know Were Green

USGBC

These projects show how historic preservation and environmental sustainability can work hand in hand. Several are loading



[Concrete Masonry Association of California and Nevada](#)***



National Concrete Masonry Association
FOUNDATION



[Western States Clay Products Association](#)***

Gold Level



[Masonry Institute of America](#)***



Silver Level

bearing brick masonry or other masonry. [Read more.](#)

Green Globes Cuts Multiple-Building Projects Certification Costs

ENVIRONMENTAL LEADER

The organization's new volume program is designed to streamline the green building process. The volume program is available to organizations that plan to take a minimum of 25 buildings of an identical or highly similar design through assessment and certification. [Read more about Green Globes.](#)

LEED Facts

USGBC

[This article](#) provides a few tidbits about LEED that you may, or may not already know.

GREEN BUSINESS NEWS

This edition features a couple of articles on writing Corporate Social Responsibility (CSR) reports that I hope you will find useful. ~Tina

5 Steps to Writing a Better CSR Report

TRIPLEPUNDIT.COM

Writing a strong, clear CSR report is no easy task, writes Michael Gutman. It's best to focus on goals rather than achievements, to address your ongoing environmental impacts as well as your impact reductions, and to aim for transparency rather than spin. "If your efforts are motivated by PR, [then] your CSR report could open up a can of worms that creates negative press and backfires," Gutman writes in this [Triple Pundit article](#).

How to Write a CSR Report That's Actually Useful

TRIPLEPUNDIT.COM

A good sustainability report shouldn't just be about PR, writes Graham Sprigg. Instead, it should act as a kind of template or guidebook for improving the business, identifying long-term and short-term goals and areas for improvement. "[S]ustainability is a journey and a good report should guide you every step of the way," Sprigg writes. [Read more.](#)

6 Companies with Smart Carbon-busting Strategies

BLOOMBERG BUSINESSWEEK

Corporate carbon-reducing projects pay for themselves in energy savings and other reduced costs for about 80% of large U.S. companies, according to a new World Wildlife Fund report. The report highlights sustainability efforts by several big firms, including Wal-Mart, Kimco and General Electric. To learn more, [click here](#).

EDUCATION / EVENTS

TMS Annual Meeting Registration Open

The Annual Meeting and Business Meetings of The Masonry Society will be held near Washington, DC in Herndon, Virginia at the Hyatt Dulles Hotel on October 11-15, 2013. An exciting and





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Bronze Level





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educational program has been planned for your enjoyment and professional development. Plan to attend the meetings today! For more information, including session topics and registration, visit the [TMS website](#).

MIT CSHub Showcase 2013 Day Registration Available

On September 26, researchers from the MIT Concrete Sustainability Hub will bring industry stakeholders up to date on their latest research findings and progress. The theme of this year's event is "Building for LIFE." Participants will have opportunities to learn about the latest developments in concrete science and life-cycle cost and environmental research directly from MIT researchers. Interactive workshop sessions on the state-of-the-art in paving, buildings and concrete science will be available. To register, visit web.mit.edu/cshub.

Two Free Webinars on LEED v4

USGBC is offering two free webinars on Introduction to LEEDv4. [Learn more here](#).

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