

At Home in the Modern World

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SMALL WONDERS

Homes Under
1,000 Square Feet

WINDY CITY

A Turbine-Powered Home

THE FUTURE OF FURNITURE

3-D Printing Arrives

BUNGALOW BUILD-OUT

A Modern Addition

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Small Spaces

March 2008

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Editor's Note

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Small Spaces

While some hulking home builders might advertise otherwise, bigger isn't necessarily better: We size up the advantages of scaled-down spaces.

Dwellings

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Nice Box

Architect Sami Rintala's compact urban escape pod in Oslo, Norway, is large enough for you and a few friends, but only if you leave your metropolitan woes at the door.

Story by Clare Dudman

Photos by Pia Ulin

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Pretty Super

In Manhattan, we drop in on a couple whose space-efficient overhaul brought out the "super" in their superintendent-style, off-the-lobby apartment.

Story by Michael Cannell

Photos by Roland Bello

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Good Mews

For the owners of a diminutive former coach house in central London, innovation and perspiration resulted in a cozy home boasting more than just a prime location.

Story by Iain Aitch

Photos by Peter Marlow



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Cover: Boxhome, Oslo, Norway, page 114
Photo by Pia Ulin

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“Maybe this is how we are meant to be, with few possessions and a small space around us.”

Sami Rintala

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While much of this issue is all about having less, the World Wide Web's the limit when it comes to [dwell.com](#).

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In the Modern World

Our catch of the day includes more than 1,000 bone-china anchovies, the freshest products, books, and exhibitions on the market, and a savvy selection of design-world wave makers, including Nic Clear, Scott Amron, and Ed Ruscha.

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My House

These Austin, Texas, homeowners doubled their pleasure without disturbing their treasure in a respectful expansion of a Depression-era bungalow.

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Off the Grid

Built (literally) on rock 'n' roll, a live/work space in Chicago makes every day a green one, with creatively remixed materials and amp-generating rooftop RPMs.

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Dwell Reports

Buck's Super Stereo World has nothing on us! Musician, producer, and soundtrack composer Mike Andrews cranks it up to 11 while reviewing the latest in iPod home sound systems.

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Conversation

London-based architect David Adjaye discusses his new community-conscious Museum of Contemporary Art in Denver and his upcoming book on the often-overlooked cities of Africa.

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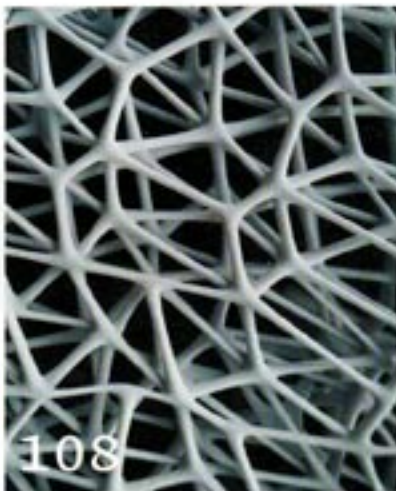
Archive

We revisit the enduring work of Bertrand Goldberg, a Chicago architect who applied Bauhaus design principles to private homes and public housing with equal aplomb.

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Process

David Copperfield could learn a thing or two from the innovative illusionists at Dutch design studio Freedom of Creation. We reveal how they use rapid prototyping to conjure amazing objects out of thin air.



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Detour

In Lima, Peru—a visually striking but geologically shaky locale—designer Jordi Puig points out ways in which the city's culturally rich past provides a solid foundation for its design future.

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101: The Backyard

With spring right around the corner, we offer tips on transforming your backyard from chilly to chillin' that even entrenched NIMBYs are sure to find inviting.

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It might be March, but there's no sign of madness in our all-star lineup of sources.

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Theme Attic

London street artist Slinkachu takes this issue's theme to the Lilliputian limit with his tribute to the little people struggling to make it in the big city.

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Solid Gold

When it comes to material originality, this former tavern in Chicago's trendy Bucktown neighborhood pulls out all the stops. Case in point? Colorful pieces of broken LPs are visible in the glass aggregate flooring of the upstairs master bathroom—which the architects made from the pulverized remains of old vinyl records.

Gut-renovated by local firm Wilkinson Blender Architecture, the house is also comprehensively green. Its noteworthy design features include the use of reclaimed timber salvaged from the original roof structure; a roof garden, complete with wind turbines and easily maintained solar arrays; and 15 geothermal wells drilled into the ground beneath the basement. A quiet bank of electrical converters now blinks in a cellar control room, tracking each one of these renewable inputs.

What's more, the architects used a South Chicago bulk recycling firm,

Recycling Services Incorporated, to process as much as 80 percent of construction waste generated during renovation. All of these steps have made this the first LEED for Homes Gold-certified house in Illinois, and only the eighth such residence in the United States.

The spacious home, complete with guest bedroom on the ground floor, is owned by husband-and-wife record producers Frank and Lisa Mauceri. The house also doubles as their office.

Entering, you step into what first appears to be an arcade or public fun room, complete with a videogame console, robotic toys, and a regulation Ping-Pong table—but this is where the Mauceris go to work. A paperless work surface off to one side rests in indirect light beneath a canopy of artfully misused sound-dampening textiles. Found throughout the house are framed, original hand-drawn ▶



Story by Geoff Manaugh
Photos by Doug Fogelson/DRFP

Chicago's former Wis Tavern Building stands radiant in the summer sunshine (top) as wind turbines spin smoothly in the breeze; games and toys await in the entryway (left).



illustrations that first appeared in 1950s science-fiction magazines, as well as autographed posters from the giants of American skateboarding.

It's once you get up onto the roof, however, that the excitement begins. Walking past the upstairs kitchen, with its lavender cabinetry offset by fiery orange Panelite doors, you take one final flight of stairs—and discover that the roof all but hums with green building technology.

Overlooking an open fire pit, two recliners, and a patch of wildflowers is the building's most visually distinct feature: a pair of wind turbines, turning smoothly inside their bright orange steel frames. Built by Bil Becker of Aerotecture International from his own proprietary design, the machines are more like "spinning, sculptural artworks," Lisa says. Each one is "like a DNA helix constructed out of plastic," Frank adds. "On a Friday night, the

waiters at the restaurant across the street spend as much time answering questions about what's happening on our roof as they do talking about the restaurant's menu."

The Mauceris' turbines literally set a legal precedent for the city of Chicago. Before this renovation, the Windy City's building code allowed no variances for turbines in its residential height restrictions. But an official (and permanent) update has been added to the books.

The turbines were also designed to be visible to birds, preventing the winged creatures from flying into their spinning surfaces. After all, the last thing the homeowners need is to find themselves harming local wildlife in the name of being green.

If making their house as sustainable as possible was the Mauceris' way of greening their record company—ironically named Smog Veil Records—then the results so far spell success. ▶

The house is ablaze with juxtaposed colors and materials: Reclaimed timber stairs climb past unfinished brick while a Ligne Roset chair rests on the terrazzo floor. **E** p. 174

The galley kitchen (top right) lets natural light pass throughout the house; the floor of the master bathroom (top left) sparkles with the remains of pulverized LPs.

AVACAVA



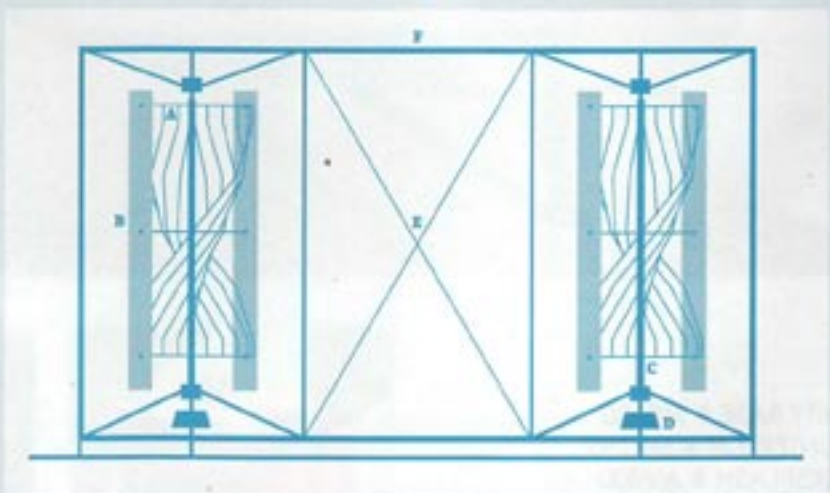
- A Vertical airfoils
- B Edge of plastic helix
- C Center shaft
- D 3,000-watt permanent magnet alternator
- E Steel crossing cables
- F Tubular steel welded cage bolted to roof

Going With the Wind

The house's twin-rotor, vertical-axis wind turbines are quite a sight to see. Stylistically unique yet perfectly functional, the units were custom built to a proprietary design by Bill Becker of Aerotecture International, a Chicago-based firm.

In 32-mph winds, each turbine generates up to 1,000 watts of "battery-free" electricity, which is "conditioned" by inverters in the basement. The whole system is extremely easy to maintain, requiring an inspection only once a year, and the units come with a phenomenal 30-year life expectancy.

The turbines' translucent helical shells are also gently rounded and highly visible—and thus safe to birds. ■



The roof is decked out with 30 solar panels and a rain catching roof garden (above), so the residents and their photovoltaic arrays can soak up the sun together.

Click here:

More about the building and its rooftop turbines can be found at aerotecture.com and wbarch.com.