

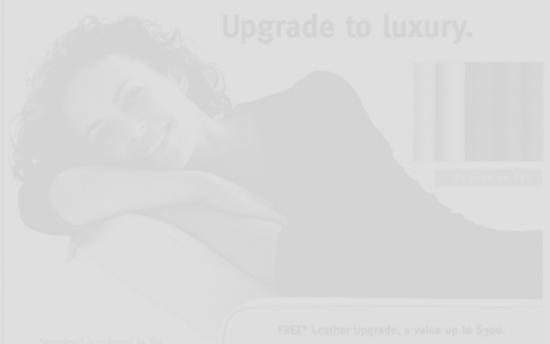
Sustainable Home Design

A Green Building Revolution: The New Reality

Above: Winning Design for the Bird Island Zero-Energy Home Competition in Kuala Lumpur, Malaysia, by Zoka Zoka. "Rafflesia House" is a study of balance between the outside and the shelter from plants, animals, heat, sun and rain. The building is elevated, allowing various plant species to envelop the surrounding environment.



"Rafflesia House, " the winning design for the Bird Island Zero-Energy Home Competition in Kuala Lumpur, Malaysia by





design preserves the genes of older trees for future forests.

At Valcucine North America, the European company has committed to having a zero-effect on the environment and wants to repay its debt to nature by using recycled materials and farmed trees and replacing trees with twice the number needed to offset the CO2 emissions of their productions. The company founded Bioforest, an organization that focuses on planting, education and environmental preservation. Valcucine uses up to 86 percent less material than other brands, and all of their kitchens are recyclable after their use is up. In addition, they use non-

Famous for its glass kitchens, Valcucine has added a new twist, Artematica Vitrum. It is now possible to reproduce drawings and painting on the glass fronts of its cabinets from Moner to your child's artwork.



"Chrysalis House" by Roald Gunderson

Chicago architect Zoka Zola worked on designs for a groundbreaking project in faraway Kuala Lumpur. For the Bird Island project, she first sought to maximize the potential of the building to be a very pleasant space for its inhabitants by connecting very carefully and respectfully to the natural surroundings.

"In Kuala Lumpur, thermal comforts and cooling are the main factors, and reducing the need for air-conditioning is the best way to save on energy," Zola says. "We achieved that by designing a very successful form and devising a set of strategies that all play together to achieve a zero-energy house. The building is unique in that it is an answer to the climate conditions, much like the traditional Kampong house of Malaysia, but it also takes sustainable design into the 21st century and contributes to the legacy of architecture. Its features are integrated into the design. They are part of what shaped the design."

One of the biggest obstacles to building green is the perception that the costs are much higher than traditional construction. This may be due to a misperception or the fact that inexperienced builders may be doing the work. "Many studies have shown the actual cost premiums for high-performance green buildings to be two percent or less," Yudelson writes. "There are a number of determining



Mah Jong / les contemporains collection

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Mah-Jong* modular sola. MISSONI HOME, fabrics for Roche-Bobois, Hand-sewn-rolled edge, quilted seat and back cushions in foam and fiber.

CHICAGO - 222 West Hubbard Street (312) 644-9080 - chicago@roche-bobois.com • www.roche-bobois.com