

TIME

Style & Design

THE GREEN DESIGN

1000

THE PEOPLE AND IDEAS BEHIND TODAY'S MOST INFLUENTIAL DESIGN

The Green Design 100

Call it responsibility or accountability. Or simple popular demand. The rarefied world of design is embracing the environment as never before. Top architects are implementing revolutionary methods. Fashion and furniture mainstays are manufacturing products using sustainable materials. And luxury empires are establishing credos on issues their customers are still waking up to. Behind the scenes, trailblazing executives are taking big risks to make it all happen—beautifully. Here are the best and brightest in environmentally conscious design from around the globe.



Leaders of the pack, from left: Whitney Tilt, Stella McCartney, Robert Chatwani, Priscilla Woolworth, Paulette Cole and David de Rothschild

Architecture. When building with the environment in mind



Taliesin Mod.Fab

SCOTTSDALE, ARIZ.; STUDENTS OF THE FRANK LLOYD WRIGHT SCHOOL OF ARCHITECTURE

It's been a tradition for more than 70 years that students at the Frank Lloyd Wright School of Architecture design, construct and live in their own shelters—a kind of do-it-yourself dormitory program. Mod.Fab, an eco-conscious prototype derived from that practice, was created by students and has the potential to be replicated commercially. With cantilever planes and covered outdoor spaces, the compact home exhibits many typical Frank Lloyd Wright forms and, thanks to environmental-control systems like rainwater harvesting and photovoltaics, it can be run on or off the grid. taliesin.edu/pages/MODFAB.htm

One Haworth Center

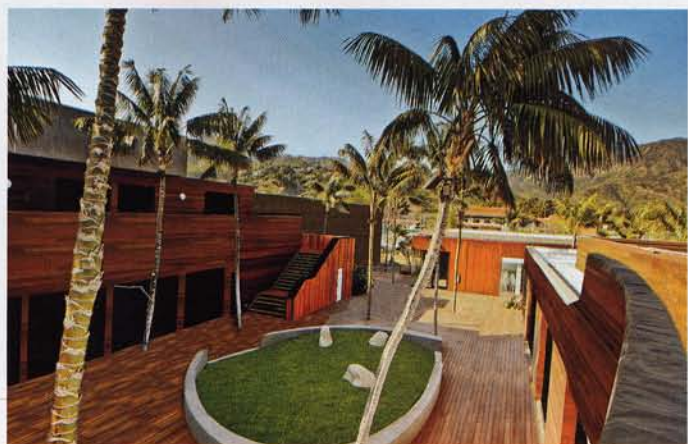
HOLLAND, MICH.; PERKINS + WILL

Haworth creates office staples—chairs, tables, even floors. So, naturally, the company's own headquarters should be a model form. After an extensive expansion and renovation, it is. Certified LEED (Leadership in Energy and Environmental Design) Gold, the new facility features a three-story glass atrium and a modular green roof, and, though 20% larger than the old structure, it won't consume any more energy. perkinswill.com

Malibu Lumber Yard

MALIBU, CALIF.; VALLEYCREST DESIGN GROUP

A cross section of California dreamin' and shop-'til-you-drop design, this upscale retail center, which opens in June, is in line with the local attitudes and landscapes. It implements advanced water-conservation and wastewater-treatment techniques and uses sustainable ipe wood for walkways. vcdesigngroup.com



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designers show off some conscious creativity

Shanghai Tower

SHANGHAI; GENSLER

When completed in 2014, the Shanghai Tower will be the tallest building in China. It will be encased in two spiraling façade layers, between which will be a series of air-quality-enhancing, garden-filled atriums. The tower's spiraling design reduces wind load, and the parapet collects rainwater, to be used for heating and cooling systems. gensler.com



Madrid International Convention Centre

MADRID; MANSILLA + TUÑÓN + PERALTA ARQUITECTOS

Conceived as a sun rising over Madrid, the convention center, scheduled to be completed in 2012, cuts a striking silhouette against the city's skyline. Covered in a beehive pattern of approximately 21,000 hexagonal solar panels, the structure employs a rainwater-catchment system. mansilla-tunon.com



Lindal Cedar Homes for Dwell Home Collection

ANYWHERE; LINDAL HOMES BY TURKEL DESIGN

Having constructed custom homes for more than 60 years, Lindal has experience building environmentally efficient houses. From nine homes created with Turkel Design, Dwell selected three—from 2,100 sq. ft. to 2,700 sq. ft.—for its collection. Care has been taken to reduce surface area, thus reducing materials. lindal.com



Seawater Vertical Farm

DUBAI; STUDIOMOBILE

Born out of concerns about a growing population and a short supply of freshwater, this futuristic—and still conceptual—tower has been designed as a sustainable means of turning seawater into freshwater. Housing five cocoon-like greenhouses, the farm would convert saltwater using fairly simple processes based on condensing warm, humid air. studiomobile.org

—By Betsy Kroll



Eco-Cities. The next step in green living, these plans could turn ordinary places into futuristic landscapes



Tianjin Eco-City Located in China and developed with Singapore, this city will utilize waste heat from a nearby power plant and emphasize green modes of transport and water recycling. www.tianjinecocity.gov.sg



Zira Zero Island Designs for this sliver of land off the coast of Azerbaijan mimic the country's rugged peaks. Here, each mountain is a residential development lined with strategically placed photovoltaics. Wind farms help power the island. big.dk



Gwanggyo Power Center Unlike in South Korea's typical valley-based towns, where reduced ventilation creates smog, the concept here is to build green space upward, imitating patterns of hills and valleys. Each tower would drip with lushly planted terraces. mvrdiv.nl —B.K.