

The book was found

High-Performance Building



Synopsis

What really makes a high-performance, energy-efficient building? "Sustainable design is about developing buildings and urban spaces that are tuned to their context. . . . Any building that carries claims to be recognized as 'great architecture' should also qualify as a high-performance building."

-From High-Performance Building

How do we judge the success of a sustainable building? We shouldn't just reward good intentions based on the building design, argues Vidar Lerum in High-Performance Building; we must look at the evidence of the actual performance of architectural objects "as built." High-Performance Building gives architects a practical guide to excellent, sustainable design, showing how to analyze and evaluate the buildings "as built." Taking a hands-on view of sustainability, the author provides designers with specific benchmarks for high performance and energy efficiency. Utilizing the latest methods for analysis of climate responsive design, he asks:

- * Where does a building that claims to be "green" or "sustainable" check in on a scale relative to benchmark buildings of the same type?
- * How does the building contribute to a sustainable development in its demand for energy and natural materials?
- * Does the building provide a high level of thermal comfort to its users?

To illustrate, Lerum takes the reader on an on-site tour of seven buildings around the world that exemplify these standards. Ranging from the west coast of Greenland to the Sonoran Desert, the buildings are examined as physical, built objects. For additional perspectives, the author interviews the architects and speaks with engineers, owners, and users. At the sites, something unexpected often shows up. The author's work reveals unknown or hidden features, characteristics, or details. By understanding what works and what does not in notable buildings around the world, High-Performance Building enables architects to discover the challenges and opportunities in their own designs, whether simple residences or large commercial structures.

Book Information

Hardcover: 304 pages

Publisher: Wiley; 1 edition (July 27, 2007)

Language: English

ISBN-10: 0471775355

ISBN-13: 978-0471775355

Product Dimensions: 8.1 x 0.8 x 10.2 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 1 customer review

Best Sellers Rank: #1,063,987 in Books (See Top 100 in Books) #106 in [Books > Crafts, Hobbies & Home > Home Improvement & Design > Energy Efficiency](#) #476 in [Books > Engineering & Transportation > Engineering > Reference > Architecture > Methods & Materials](#) #1928 in [Books > Crafts, Hobbies & Home > Sustainable Living](#)

Customer Reviews

"High-Performance Building, by Vidar Lerum, eschews larger philosophical issues in favor of establishing step-by-step directions for analyzing the performance of existing buildings. Lerum considers performance as "annual specific energy use" situating that as a base from which architectural form emerges to serve a sustainable end. He then explains his process-including reviewing design documents, talking to the architect and owner, and modeling the building in energy software-for gauging the performance of an existing building, presumably because you, too, would want to analyze an existing building." (Architectural Record, November 2009)

What really makes a high-performance, energy-efficient building? "Sustainable design is about developing buildings and urban spaces that are tuned to their context. . . . Any building that carries claims to be recognized as 'great architecture' should also qualify as a high-performance building."
#151;From High-Performance Building How do we judge the success of a sustainable building? We shouldn't just reward good intentions based on the building design, argues Vidar Lerum in High-Performance Building; we must look at the evidence of the actual performance of architectural objects "as built." High-Performance Building gives architects a practical guide to excellent, sustainable design, showing how to analyze and evaluate the buildings "as built." Taking a hands-on view of sustainability, the author provides designers with specific benchmarks for high performance and energy efficiency. Utilizing the latest methods for analysis of climate responsive design, he asks: Where does a building that claims to be "green" or "sustainable" check in on a scale relative to benchmark buildings of the same type? How does the building contribute to a sustainable development in its demand for energy and natural materials? Does the building provide a high level of thermal comfort to its users? To illustrate, Lerum takes the reader on an on-site tour of seven buildings around the world that exemplify these standards. Ranging from the west coast of Greenland to the Sonoran Desert, the buildings are examined as physical, built objects. For additional perspectives, the author interviews the architects and speaks with engineers, owners, and users. At the sites, something unexpected often shows up. The author's work reveals unknown or hidden features, characteristics, or details. By understanding what works and what

does not in notable buildings around the world, High-Performance Building enables architects to discover the challenges and opportunities in their own designs, whether simple residences or large commercial structures.

This is a great book -- it actually talks about performance using numbers, rather than rhapsodizing about high sounding claims. It really cuts through the crap and lets you see how real buildings work. The author is also quite balanced and fair. The only small quibble is that some of the graphics are of mediocre quality otherwise I would have given it five stars. If you are interested at looking at how building actually use energy, rather than reading about how great and green a building is without any quantification, then this is the book for you.

[Download to continue reading...](#)

High Fiber Recipes: 101 Quick and Easy High Fiber Recipes for Breakfast, Snacks, Side Dishes, Dinner and Dessert (high fiber cookbook, high fiber diet, high fiber recipes, high fiber cooking) High Blood Pressure Cure: How To Lower Blood Pressure Naturally in 30 Days (Alternative Medicine, Natural Cures, Natural Remedies, High Blood Pressure ... Cures for High Blood Pressure, High BI) Performance-Based Medicine: Creating the High Performance Network to Optimize Managed Care Relationships The Lost Art of High Performance Driving: How to Get the Most Out of Your Modern Performance Car (Speed Secrets) Smart Sales Manager: The Ultimate Playbook for Building and Running a High-Performance Inside Sales Team Green Home Building: Money-Saving Strategies for an Affordable, Healthy, High-Performance Home High-Performance Building Chassis Engineering: Chassis Design, Building & Tuning for High Performance Handling Building High-Performance Local Governments: Case Studies in Leadership at All Levels Get Fit Now For High School Basketball: The Complete Guide for Ultimate Performance (Get Fit Now for High School Sports) Building Green, New Edition: A Complete How-To Guide to Alternative Building Methods Earth Plaster * Straw Bale * Cordwood * Cob * Living Roofs (Building Green: A Complete How-To Guide to Alternative) Low Carb: Low Calorie Cookbook: 200 High Protein Recipes for Weight Loss, Muscle Building, Healthy Eating and Increased Energy Levels (Low Carb High Protein ... Low Carb Cookbook, Low Carb Diet Book 1) 500 High Fiber Recipes: Fight Diabetes, High Cholesterol, High Blood Pressure, and Irritable Bowel Syndrome with Delicious Meals That Fill You Up and Help You Shed Pounds! Low Carb: Low Carb High Fat Diet - How to Lose 7 Pounds in 7 Days with Low Carb and High Protein Diet Without Starving! (low carbohydrate, high protein, ... carb cookbook, ketogenic diet, paleo diet) Foods High in Fiber Cookbook: List of High Fiber Foods for a Healthy Lifestyle - Recipes for High Fiber Foods CHEAT SHEET SIMPLY for USA FOODS:

CARBOHYDRATE, GLYCEMIC INDEX, GLYCEMIC LOAD FOODS Listed from LOW to HIGH +
High FIBER FOODS Listed from HIGH TO LOW with OVER 375 foods BORN IN THE USA 500
High Fiber Recipes: Fight Diabetes, High Cholesterol, High Blood Pressure, and Irritable Bowel
Syndrome with Delicious M David Vizard's How to Build Max Performance Chevy Small Blocks on a
Budget (Performance How-To) Jeep Cherokee Performance Upgrades: 1984-2001 - Revised
Edition (Performance How-to) Queering Mestizaje: Transculturation and Performance
(Triangulations: Lesbian/Gay/Queer Theater/Drama/Performance)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)