



The Environmental Performance of Tall Buildings

By Joana Carla Soares Goncalves

Download now

Read Online ➔

The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves

Tall buildings represent one of the most energy-intensive architectural typologies, while at the same time offering the high density work and living conditions that many believe will be an important constituent of future sustainable communities. How, then, can their environmental impact be lessened?

This insightful book takes in:

- an overview of the tall building and its impacts (looking at cityscape, place, mobility, microclimate, energy and economics)
- design principles and the development of the sustainable tall building
- global perspectives (covering North and South America, Europe, the Middle East and Asia)
- detailed, qualitative case studies of buildings in design and operation
- the future for sustainable tall buildings.

Not simply another showcase for future utopian designs and ideals, the information presented here is based on hard research from operating buildings. Highly illustrated and combining analysis with solid detail for practice, this is essential reading for architects, building engineers, design consultants, retrofitters and urban planners interested in or working with tall buildings, and researchers/students in these disciplines.

↓ [Download The Environmental Performance of Tall Buildings ...pdf](#)

📖 [Read Online The Environmental Performance of Tall Buildings ...pdf](#)

The Environmental Performance of Tall Buildings

By Joana Carla Soares Goncalves

The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves

Tall buildings represent one of the most energy-intensive architectural typologies, while at the same time offering the high density work and living conditions that many believe will be an important constituent of future sustainable communities. How, then, can their environmental impact be lessened?

This insightful book takes in:

- an overview of the tall building and its impacts (looking at cityscape, place, mobility, microclimate, energy and economics)
- design principles and the development of the sustainable tall building
- global perspectives (covering North and South America, Europe, the Middle East and Asia)
- detailed, qualitative case studies of buildings in design and operation
- the future for sustainable tall buildings.

Not simply another showcase for future utopian designs and ideals, the information presented here is based on hard research from operating buildings. Highly illustrated and combining analysis with solid detail for practice, this is essential reading for architects, building engineers, design consultants, retrofitters and urban planners interested in or working with tall buildings, and researchers/students in these disciplines.

The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves Bibliography

- Sales Rank: #5312862 in Books
- Published on: 2010-06-30
- Original language: English
- Number of items: 1
- Dimensions: 9.70" h x 1.10" w x 7.70" l, 2.46 pounds
- Binding: Hardcover
- 400 pages

 [Download The Environmental Performance of Tall Buildings ...pdf](#)

 [Read Online The Environmental Performance of Tall Buildings ...pdf](#)

Editorial Review

Review

Tall buildings are not only attractive due to their architectural design but they are here to stay. They 'have been a response and a consequence of economic and industry change' as stated by the author of the book. As economies grow they will become more numerous and the importance of a good environmental performance will increase. This book tells us how to go about it. *Jose Goldemberg, Professor and former Rector of the University of Sao Paulo (USP), Brazil, and Time Magazine 'Hero of the Environment'*

As well as being a thorough and beautifully illustrated review of tall buildings around the world, this book enquires into the balance between architectural, economic and climatic factors that influence their design. Its strength is that it challenges claims made about the environmental performance of tall buildings, and opens up questions about their actual performance in use, rather than results based on computer simulations. Similarly, the 'double skin', often promoted as a universal solution, is also viewed with a critical eye. The growth of tall buildings seems to be inevitable, and for those concerned with their sustainability, this comprehensive book is essential reading. *Nick V. Baker, The Martin Centre, Department of Architecture, University of Cambridge*

This excellent book is a virtual encyclopaedia of concerns, knowledge and environmental strategy relating to the design of the high rise building. Overview, analysis, clear environmental design approaches and a plethora of key exemplar buildings across the world make this book essential reading for architects of a high rise future. *Mike Davis, Director, Rogers Stirk Harbour and Partners, UK*

...this book is, without doubt, produced by experts and will be a valuable addition to the body of knowledge supporting this important aspect of our industry. *Dave Pythian BA MSc FBEng MRICS, Building Engineer*

About the Author

Professor Joana Carla Soares Gonçalves is an Architect and Urbanist at the Faculty of Architecture and Urbanism, University of Sao Paulo, and is also a member of the teaching staff of the Environment and Energy Studies Programme at the Architectural Association Graduate School in London.

Contributer: Érica Mitie Umakoshi is an MSc Architect and Urbanist at the Faculty of Architecture and Urbanism, University of Sao Paulo.

Users Review

From reader reviews:

Charles Valentine:

Book is to be different for every single grade. Book for children right up until adult are different content. To be sure that book is very important for us. The book The Environmental Performance of Tall Buildings was

making you to know about other information and of course you can take more information. It is rather advantages for you. The guide The Environmental Performance of Tall Buildings is not only giving you more new information but also to get your friend when you feel bored. You can spend your own spend time to read your book. Try to make relationship together with the book The Environmental Performance of Tall Buildings. You never experience lose out for everything if you read some books.

Kathleen Young:

The Environmental Performance of Tall Buildings can be one of your starter books that are good idea. We recommend that straight away because this reserve has good vocabulary which could increase your knowledge in words, easy to understand, bit entertaining however delivering the information. The author giving his/her effort to get every word into enjoyment arrangement in writing The Environmental Performance of Tall Buildings although doesn't forget the main point, giving the reader the hottest and also based confirm resource data that maybe you can be considered one of it. This great information can certainly drawn you into brand-new stage of crucial pondering.

Richard Ortega:

Your reading 6th sense will not betray a person, why because this The Environmental Performance of Tall Buildings guide written by well-known writer who really knows well how to make book that could be understand by anyone who also read the book. Written with good manner for you, leaking every ideas and publishing skill only for eliminate your personal hunger then you still question The Environmental Performance of Tall Buildings as good book but not only by the cover but also by content. This is one guide that can break don't evaluate book by its handle, so do you still needing yet another sixth sense to pick this kind of!? Oh come on your reading through sixth sense already told you so why you have to listening to another sixth sense.

Rex Pelkey:

Beside this kind of The Environmental Performance of Tall Buildings in your phone, it may give you a way to get closer to the new knowledge or data. The information and the knowledge you can got here is fresh from your oven so don't end up being worry if you feel like an aged people live in narrow community. It is good thing to have The Environmental Performance of Tall Buildings because this book offers for you readable information. Do you oftentimes have book but you do not get what it's about. Oh come on, that wil happen if you have this in the hand. The Enjoyable blend here cannot be questionable, similar to treasuring beautiful island. Use you still want to miss the item? Find this book along with read it from today!

Download and Read Online The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves

#EGRN1Q7WMCD

Read The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves for online ebook

The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves books to read online.

Online The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves ebook PDF download

The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves Doc

The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves Mobipocket

The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves EPub

EGRN1Q7WMCD: The Environmental Performance of Tall Buildings By Joana Carla Soares Goncalves