



## Green House: Sustainable Design at Gardens by the Bay, Singapore (Paperback)

By Patrick Bellew

Oro Editions, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book. The book explores the sustainable design principles and innovative engineering behind the development of two of the world's largest conditioned public conservatories or biomes. Nestled within waterfront gardens, the biomes are the centrepiece of a development that will define Singapore as the world's premier tropical garden city: gardens that are on track to become a national and international exemplar of sustainable practice. Through a combination of photographs, graphics and narratives, the book explores the challenges of building two huge enclosures to recreate, in Singapore's naturally sunny, hot and humid environment, the ideal growing conditions for plants from cool-dry Mediterranean regions and the cool-moist conditions of tropical mountain regions. While the thrust of the narrative will consider the environmental design and engineering approach of Atelier Ten, three other voices reflect upon the landscape, architectural and structural engineering issues that confronted the core members of the integrated design team. As environmental engineers Atelier Ten developed highly innovative passive and active environmental strategies for controlling conditions within the conservatories, while minimising energy demand to exemplar levels. Outside the Biomes the unique Supertree structures house components of...



**READ ONLINE**  
[ 9.65 MB ]

### Reviews

*This book is definitely not effortless to start on looking at but really exciting to see. It really is simplistic but surprises from the 50 % from the pdf I am just effortlessly can get a delight of looking at a published book.*

-- **Thurman Schamberger**

*Extremely helpful to all class of individuals. It really is written in straightforward terms instead of difficult to understand. I am just happy to explain how this is the finest publication I have got read inside my own lifestyle and might be the very best ebook for possibly.*

-- **Dr. Meta Smith**