

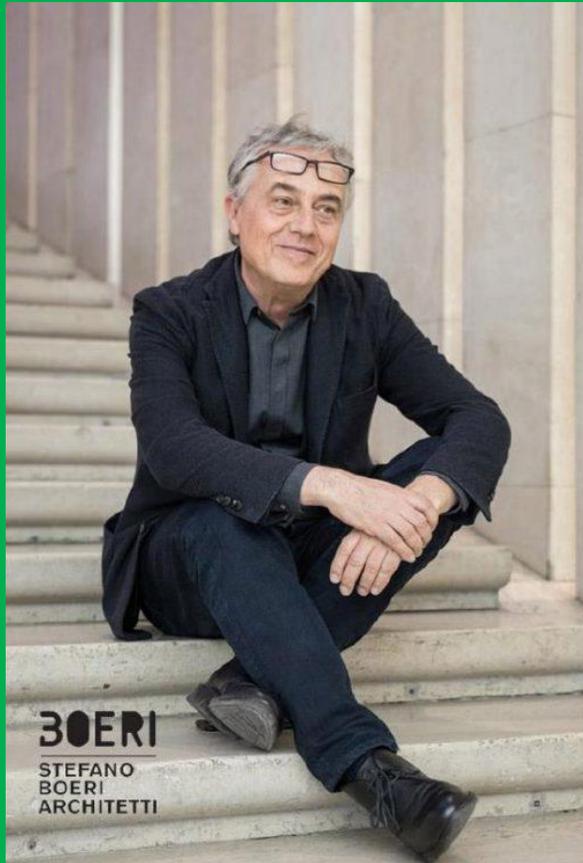


Vertical Forest

Sustainability, greenfication, reforestation, biodiversity, ...



Mi chiamo Stefano Boeri. Sono Italiano.

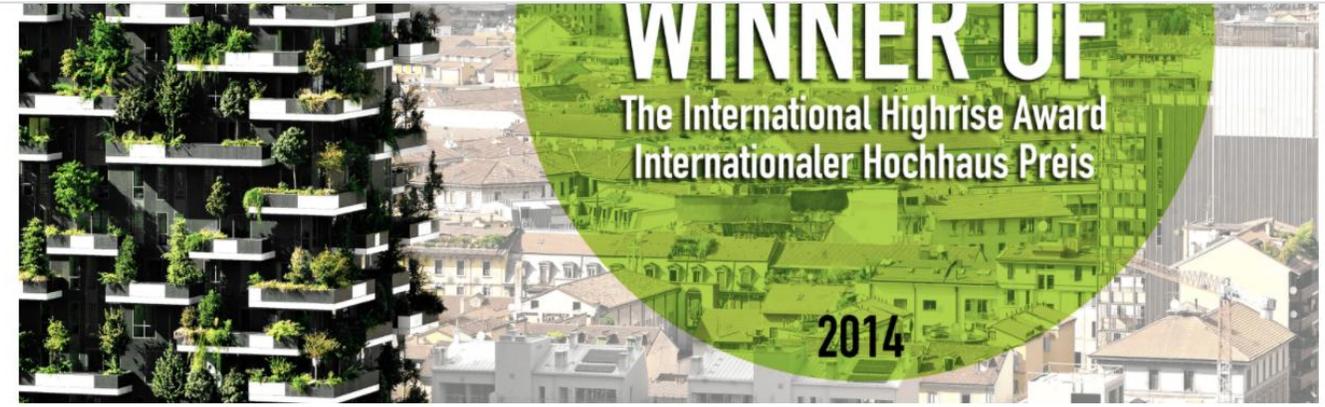


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Frankfurt, 19th November 2014 – This afternoon the international jury for the prestigious “**International Highrise Award**”, promoted by the Frankfurt Museum of Architecture (DAM), the City of Frankfurt and DekaBank, has announced that the Vertical Forest (*il Bosco Verticale*) of Milan is the winner of the prize that every two years is assigned to the **most beautiful and innovative highrise in the world**.

Due to its innovative energy, to the fact of having brought 800 trees and 14 thousand plants in the sky of Milan, the Vertical Forest, designed and planned by **Boeri Studio** and produced by **Hines Italia sgr** in the district Porta Nuova Isola in Milan, amazed the jury. The president **Christoph Ingenhoven** said: “*The Vertical Forest is an expression of the human need for contact with nature. It is a radical and daring idea for the cities of tomorrow, and without a doubt represents a model for the development of densely populated urban areas in other European countries*”.

Its creator, **Stefano Boeri** declared: “*The Vertical Forest represents a new approach to the highrise building, where trees and humans share their living space. It is the first example worldwide of a tower that enhances the hosting city with plant and fauna biodiversity. I am happy for both Milan and Expo, and for the Italian culture.*”

<https://www.stefano boeri architetti.net/en/project/vertical-forest/>

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Vertical Forest Milan



il BOSCO VERTICALE



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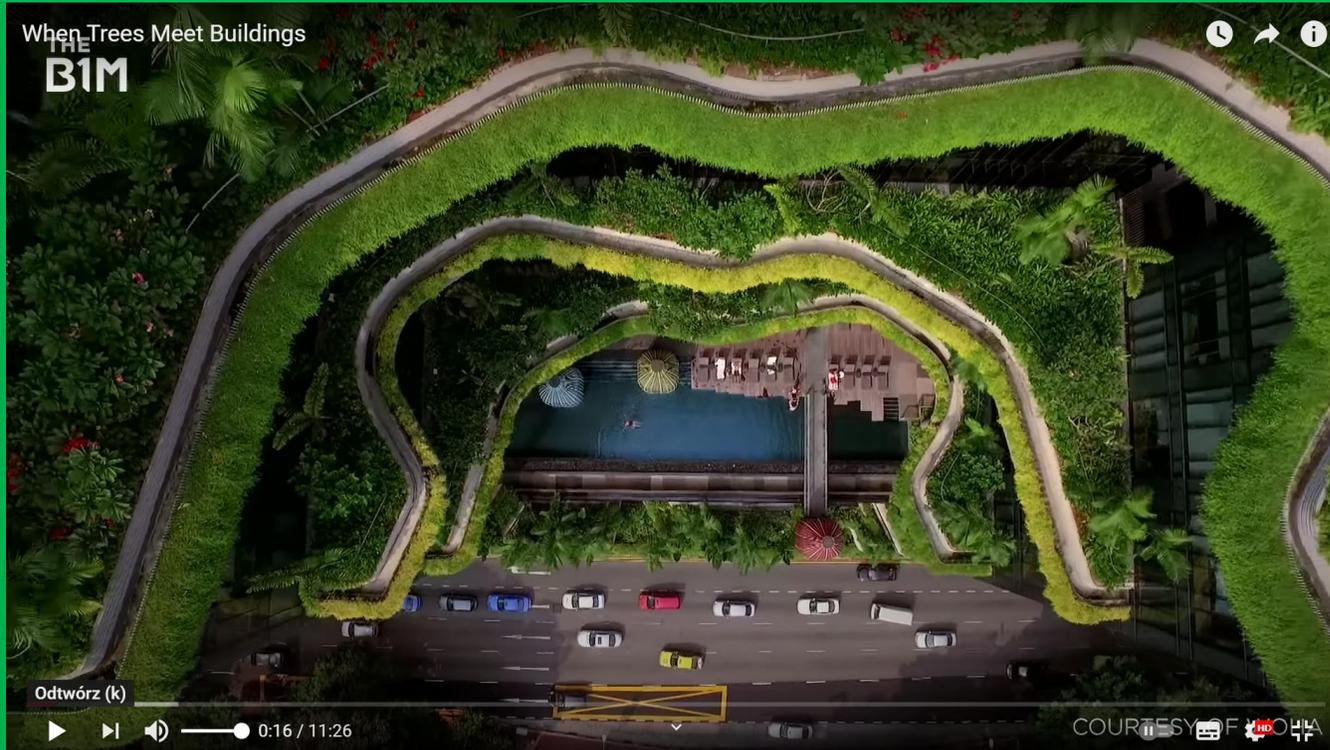
SGR stands for Societa' di Gestione del
Risparmio
(Italian: Investment Management Company)

greenscraper



<https://www.youtube.com/watch?v=4w7lsydq8ks&t=40s>

Video, 11.26



1. The mythical Hanging Gardens of Babylon are often imagined as a stepped palace of terraces containing numerous trees, and exotic flowers.
2. The revival of began in 1970s.
3. Architects and engineers began to incorporate green and other energy saving measures into their projects.
4. Even a small park can reduce local by as much as 7 degrees Celsius.
5. The benefits of temperature regulation can also be found in trees, which offer passive solar shading in the summer.
6. Trees can help reduce local concentrations of by up to 57%.
7. The inclusion of plants within our built environment can deliver
8. Plants among office workers.
9. The Linear park – Promenade Plantee (Paris) was the precursor to the
10. ACROS, a cultural centre in Fukuoka, Japan, contains deep planters along the edges of its terraces that allow trees to take and grow.
11. The residential towers of the Vertical Forest in Milan are the first successful example of buildings in trees.
12. The trees are tethered to the buildings using to ensure stability in the wind.
13. Regular and irrigation help to mitigate the risk of fire.
14. The Agora Tower in Taipei is based on the form of a double helix.
15. The Oasia Hotel Downtown in Singapore is a 27-storey tower that features a trellis-like
16. The designers and engineers working on the latest generation of “treescrapers” have also decided to tackle the issue of embodied carbon and the considered amount of energy consumed when manufacturingand

Embodied carbon is the sum of all the greenhouse gas emissions (mostly carbon dioxide) resulting from the mining, harvesting, processing, manufacturing, transportation and installation of building materials.

1. The mythical Hanging Gardens of Babylon are often imagined as a stepped palace of terraces containing numerous trees, shrubs and exotic flowers.
2. The revival of green architecture began in 1970s.
3. Architects and engineers began to incorporate green roofs and other energy saving measures into their projects.
4. Even a small park can reduce local surface temperature by as much as 7 degrees Celsius.
5. The benefits of temperature regulation can also be found in deciduous trees, which offer passive solar shading in the summer.
6. Trees can help reduce local concentrations of nitrogen oxide by up to 57%.
7. The inclusion of plants within our built environment can deliver psychological benefits.
8. Plants reduce stress among office workers.
9. The Linear park – Promenade Plantee (Paris) was the precursor to the High Line.
10. ACROS, a cultural centre in Fukuoka, Japan, contains deep planters along the edges of its terraces that allow trees to take root and grow.
11. The residential towers of the Vertical Forest in Milan are the first successful example of buildings fully covered in trees.
12. The trees are tethered to the buildings using steel wires to ensure stability in the wind.
13. Regular pruning and irrigation help to mitigate the risk of fire.

<https://www.archdaily.com/tag/stefano-boeri-architetti?fbclid=IwAR31tUBcS4TbYtYcytQ26plguXxR036xoYohWHRf9N8ocXdRoX75g-Q5YOo>

The screenshot shows a web browser window displaying the ArchDaily website. The address bar shows the URL: <https://www.archdaily.com/tag/stefano-boeri-architetti?fbclid=IwAR31tUBcS4TbYtYcytQ26plguXxR036xoYohWHRf9N8ocXdRoX75g-Q5YOo>. The page features a search bar, navigation links for Projects, Products & BIM, Folders, News, and Images, and buttons for Log in and Sign up. The main content area displays the article "Stefano Boeri Architetti: The Latest Architecture and News" with a sub-headline "The Diverse Scales of 'Green' in Chinese Urbanism" dated February 28, 2021. A large image shows a multi-story building with extensive green terraces and trees. A caption below the image reads: "Guizhou Mountain Forest Hotel / Stefano Boeri Architetti. Image Courtesy of Stefano Boeri Architetti". To the right, a "SELECTED PROJECTS" section lists: "Hidden Valley Desert House / Wendell Burnette Architects", "House 1 / Isurunath Pramitha Associates", and "Harvard Art Museums Renovation and Expansion / Payette + Renzo Piano Building Workshop". Below this is a "MOST VISITED" section with "Anne Lacaton and Jean-Philippe Vassal Receive the 2021 Pritzker Architecture". The browser's taskbar at the bottom shows the time as 12:11 on 22.03.2021.

- When we were forced to be at home due to the self-quarantine policy of the COVID-19 global pandemic, everyone must have spent a amount of time looking out from their window. Sometimes when we are so exhausted with everyday work and life, we just wish to have a quick to oceans and forests, somewhere close to the natural green.
- As few people would really like to in a city full of skyscrapers made of concrete and glass, architects and urban designers have ways of inserting green spaces in urban to increase residents’ physical activities and reduce people’s to air and noise pollution.

- **come up with**
- **tremendous**
- **fabric**
- **exposure**
- **getaway**
- **confined**
- **reside**

- When we were forced to **be confined** at home due to the self-quarantine policy of the COVID-19 global pandemic, everyone must have spent a **tremendous amount** of time looking out from their window. Sometimes when we are so exhausted with everyday work and life, we just wish to **have a quick getaway to** oceans and forests, somewhere close to the natural green.
- As few people would really like **to reside in** a city full of skyscrapers made of concrete and glass, architects and urban designers have **come up with ways of inserting green spaces in urban fabric** to increase residents' physical activities and reduce people's **exposure to air and noise pollution**.

GREEN ARCHITECTURE IN JAPAN

Japan's Namba Parks Has an 8-Level Roof Garden with Waterfalls, Osaka



NTU School of Art, Design and Media, Singapore



ACROS Fukuoka Foundation Building, Fukuoka, Japan



Complete the text.

C..... (1) to be a top attraction in Fukuoka, ACROS Fukuoka Foundation Building was opened in April 1995. It is a good example of the perfect fusion of native **g**..... (2) and architectural concept often referred to as eco-architecture.

What makes this building a **s**..... (3) one is that its interior design features a colossal atrium, immersing the entire space with natural lighting thus saving a lot from energy consumption.

The **d**..... (4) feature of this building is a systematized design of water drainage, similar to a mountain. This method allows natural **i**..... (5) to take place as water flows from the top of the building and further waters the surrounding **v**..... (6) on the way down.

1. **CONSIDERATION**
2. **GREEN**
3. **SUSTAINABILITY**
4. **DISTINCTION**
5. **IRRIGATE**
6. **VEGETATIVE**

Considered to be a top attraction in Fukuoka, ACROS Fukuoka Foundation Building was opened in April 1995. It is a good example of the perfect fusion of native **greenery** and architectural concept often referred to as eco-architecture.

What makes this building a **sustainable** one is that its interior design features a colossal atrium, immersing the entire space with natural lighting thus saving a lot from energy consumption.

The **distinctive** feature of this building is a systematized design of water drainage, similar to a mountain. This method allows natural **irrigation** to take place as water flows from the top of the building and further waters the surrounding **vegetation** on the way down.

GREEN ARCHITECTURE IN POLAND



Headquarters of the Foundation for Polish Science, photo: promotional materials

Author: [Anna Cymer](#) Published: Jul 5 2018

Share:

Żorro House , Żory; Maciej Franta



University of Warsaw Library



TASK

FIND EXAMPLES OF SUSTAINABLE
ARCHITECTURE IN POLAND AND ITALY