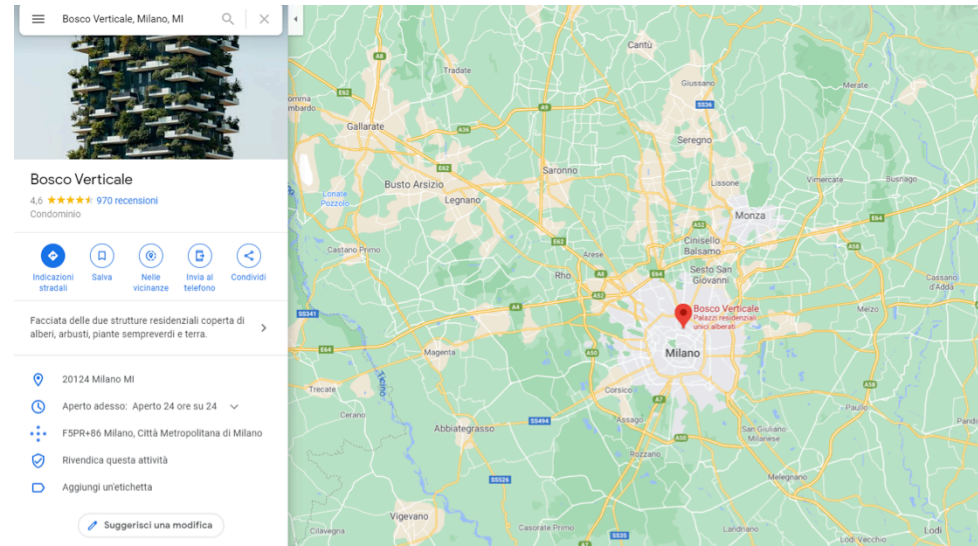


The vertical forest



Milan

Milan is a city in northern Italy, capital of Lombardy, and the second-most populous city in Italy after Rome. The etymology of the name *Milan* remains uncertain. One theory holds that the Latin name *Mediolanum* comes from the Latin words *medio* (in the middle) and *planus* (plain). Milan is the city where the vertical forest is located.





The Vertical Forest is a residential complex consisting of two towers, 110 and 76 meters high, completed in 2014 in Milan's Porta Nuova district. It was created by the Italian architect Boeri and his equipe. The complex has a total gross floor area of 40.000 square meters divided between the southern tower, called **Torre de Castilla**, and the western one, the **Torre Confalonieri**.



Stefano boeri

Stefano Boeri is an Italian architect, urban planner, architectural theorist, academic and politician. In 1980 he graduated in Architecture at the Milan Polytechnic. From 2011 to 2013 he also held the role of Councilor for Culture of the municipality of Milan. He was responsible for the design and construction of the vertical forest.



Architect Stefano Boeri said...



“Vertical Forest is a model for a sustainable residential building, a project for metropolitan reforestation contributing to the regeneration of the environment and urban biodiversity without the implication of expanding the city upon the territory [...] The vegetal system of the Vertical Forest contributes to the construction of a microclimate, produces humidity, absorbs CO2 and dust particles and produces oxygen [...]”.





The Vertical Forest apartments are notoriously expensive and aimed at a wealthy clientele. In fact, the construction and maintenance costs of “Vertical Forest buildings” are hardly compensated by the reduction in energy consumption and the more favorable impact on the urban environment that they may produce.

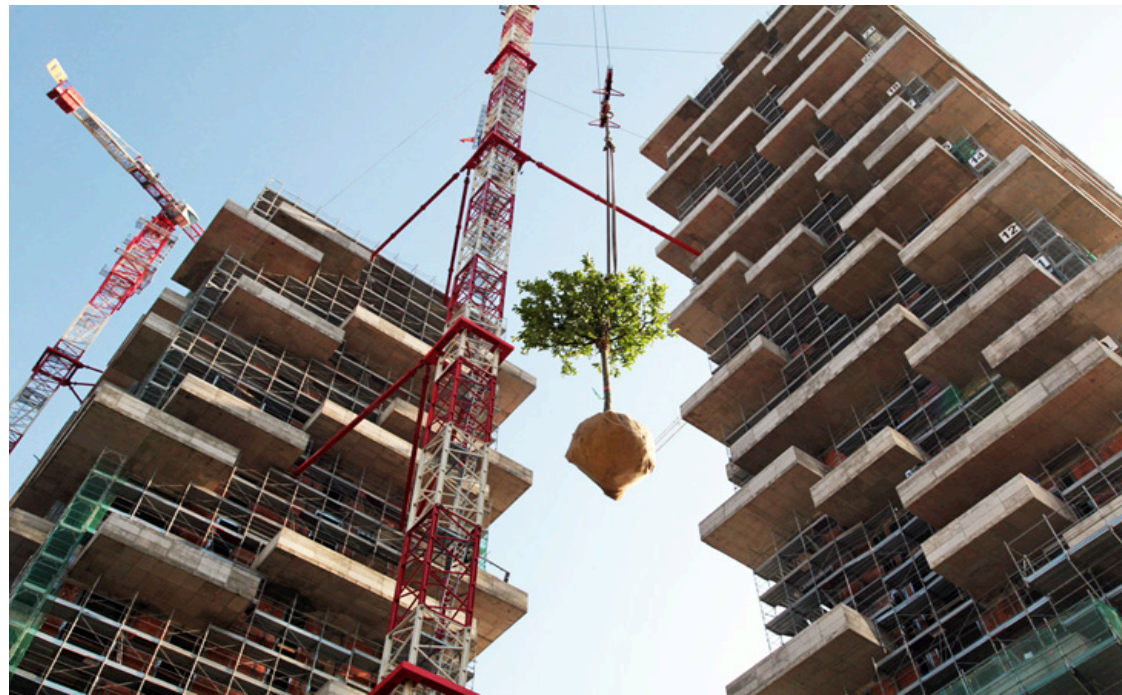


The over 100 plant species of the Vertical Forest were installed and positioned depending on their orientation, and on how they look in the different seasons of the year.



Is the Vertical Forest the future of cities' buildings?

This depends on the actual influence of such buildings on things such as the quality of air of the urban environment, pollution reduction, and mitigation of the heat island effect. Sustainable irrigation strategies, for example through intensive use of rainwater, are also to be studied thoroughly.



Sitography:

- <https://www.inexhibit.com/case-studies/the-vertical-forest-towers-in-milan-by-boeri-phenomenon-or-archetype/>
- <https://en.wikipedia.org/wiki/Milan>
- https://en.wikipedia.org/wiki/Stefano_Boeri