

California Academy of Sciences



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The Academy of sciences is located in San Francisco and it is the most sustainable building in the world.

It was designed by Renzo Piano's scientific research program.

The Academy was established as a cultural society with the aim of supporting scientific research programs and organizing public exhibitions and educational activities.



The California Academy of Sciences has been called the world's most sustainable museum.

The roof of 50 square meters is covered with grass, and also performs a function of insulation.

100% of the steel used to build the academy is recycled, the natural lighting is guaranteed in 90% of the rooms and the green roof allows the recovery of rainwater, saving about 13 million liter water a year. As for thermal insulation, it is made for 85% of industrial waste, including recycled blue jeans and cotton.



The Academy installed a radiant heating system in the museum's floors.

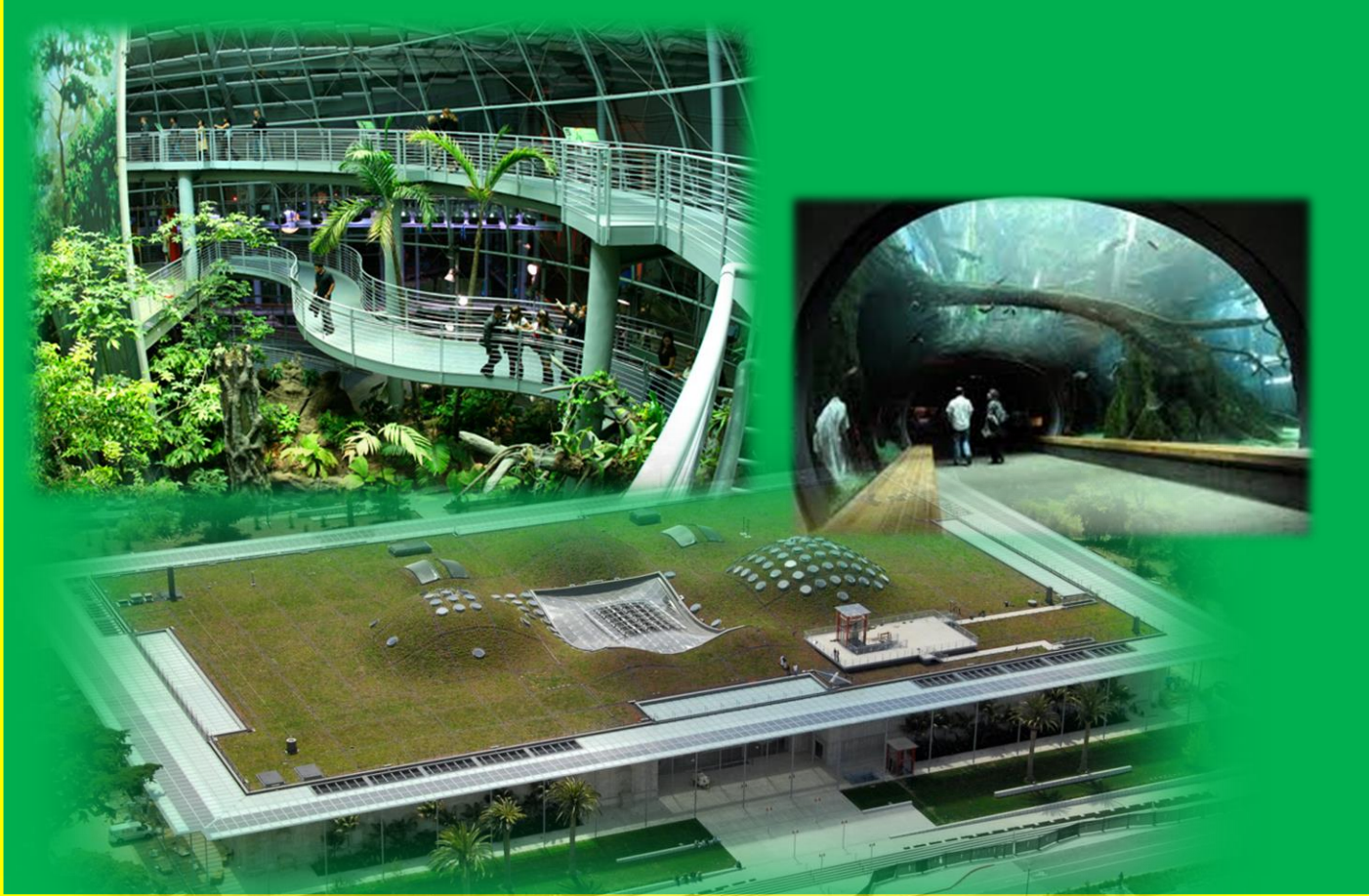
Tubes embedded in the concrete floor carry hot water that warms the floor.

The solar panels are placed on the Living Roof.

These solar panels generate about 213,000 kilowatt-hours of energy per years and provide up to 10% of the electricity needed by the Academy.

The use of solar power will prevent the release of 405,000 pounds of greenhouse gas emission into the air.





Sitography:

www.calacademy.org/

it.wikipedia.org/wiki/California_Academy_of_Sciences