Sustainable architecture

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Table of contents

- Introduction
- What is sustainable architecture?
- Building materials and technologies
- Examples of sustainable architecture in Italy and the Netherlands
- Advantages and disadvantages
- Expectations
- Promotion

Sustainable architecture

- Minimize the harmful effects
- More efficient

Sustainable building materials and technologies

- Sustainable energy and sustainable materials
- Windows
- Solar panels
- Wood and bamboo
- Recycled materials
- Cooling and heating systems

Italian buildings

Palazzo Valperga Galleani in Turin.

- 36 apartments
- The number 6 with a particular courtyard with computer-controlled lightning and automatic watering
- Flower vases holding climbing plants







Italian buildings

Bosco Verticale towers in Milan

- From the idea of Stefano Boeri
- The plants produces humidity and oxygen, absorb CO2 and act as protection against acoustic pollution
- One hectare of forest
- Two towers, 80 and 112 meters high







Buildings in the Netherlands

Nike European Headquarters in Hilversum

- Built in the middle of an horse-trotting track
- 35.000 mq
- A theme garden for each of the four buildings
- Collecting rainwater (savings 4 mln liters/year)
- Windows made of recycled aluminium
- Sports floors made of bamboo and recycled training shoes







Buildings in the Netherlands

Martini hospital

- 58.000 mq new building; 35.000 mq renovation
- Energy performance reached by isolation
- 30% more daylight than usually
- Noises are isolated by a double-layer façade







Advantages of green building

- EFFICIENT TECHNOLOGIES
- EASIER MAINTENANCE
- IMPROVED INDOOR AIR QUALITY
- RETURN ON INVESTMENT
- ENERGY EFFICIENCY
- TAX INCENTIVES

Disadvantages of green building

- COST
- AIR COOLING FEATURES
- STRUCTURAL ORIENTATION
- GREEN ROOFS
- LABOR LAWS

Expectations of residents



MARINA WELLNESS RESORT

- It is situated along the adriatic coast right in the heart of Caorle Venice
- Marina Verde Wellness Resort is made up of two structures rising from the ground and facing the south which are completely surrounded by and integrated within green areas.













Conclusion

So what is the solution to not let the beautiful boy with the curly, blond hair and blue eyes die?

SUSTAINABLE ARICHITECTURE!!!