

SUSTAINABLE CONSTRUCTION

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SUSTAINABILITY:

Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

3E'S OF SUSTAINABILITY:



For more about this concept: [link](#)



SUSTAINABLE CONSTRUCTION:

- Sustainable construction means designing, constructing, and operating buildings and infrastructure in an environmentally responsible way.
- This can involve things like using renewable and non-toxic materials, increasing energy efficiency, and minimising waste.



SUSTAINABLE CONSTRUCTION MATERIALS:

- Bamboo
- Cork
- Hempcrete
- Mycelium
- Precast concrete

- Recycled glass
- Recycled plastic
- Recycled steel
- Recycled or reclaimed wood
- Terrazzo

ADVANTAGES

- Environmental Benefits
- Economic Benefits
- Health and Well-being
- Compliance and Reputation

DISADVANTAGES

- Higher Initial Costs
- Lack of Knowledge or Experience
- Technological and Material Limitations
- Changing Regulations



CONCLUSION:

Sustainable construction paves the way for a greener future by balancing environmental responsibility with economic and social benefits. It builds better homes, communities, and a healthier planet for generations to come

*Thank
you!*

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