SUSTAINABLE ARCHITECTURE

the 30-second architecture

is that our architecturalsustainable architecture of future generations. opportunities, or prosperity design decisions today impact on the health, should not negatively 3-SECOND FOUNDATION

3-MINUTE ELEVATION

are difficult to agree on, other areas – economic developed to include the discourse, ideas on considerations dominate While environmental certain: in the developed used for political or resulting in the term being definitions of sustainabilit particular, Precise and social concerns in planet's finite resources. significant proportion of the responsible for using a lowever, one thing is known as 'greenwashing economic gain, a techniqui ustainability have

in the late 1960s with counterculture's criticism of Modernism's tenet that technology could solve Sustainable architecture emerged

of global warming. Architectural design responded is a high-profile example of sustainable architecture. adopting carbon-free energy generation for on excluding heat and using passive ventilation to exchangers; in warmer climates, the emphasis is consumption, which in colder climates essentially several key strategies. First, reducing energy with green architecture, which incorporates encompass several narratives, not least the threat awareness of finite resources. It has evolved to sustainable architecture became linked with an that a fossil-fuel-free future was essential, and any problem. The 1973 oil crisis was the first sign production, and eventual disposal or reuse. Ken components as well as their extraction, transport, replaceable, or recyclable materials, and taking electricity and heating – such as photovoltaic reduce dependency on air conditioning. Second, heat by improved insulation and using heat means using passive solar heating and conserving account of the 'embodied energy' of building panels and wind turbines. Third, using natural Mesiniaga (1992), in Subang Jaya Selangor, Malaysia, Yeang's bioclimatically designed building, Menara

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3-SECOND BIOGRAPHIES

British environmentalist JAMES LOVELOCK

Malaysian architect, known for designing 'green' skyscrapers

KEN YEANG

30-SECOND TEXT

Designed in response to the specific climate Mesiniaga has in-built of Malaysia, Menara ventilation and lighting. solar shading, natural features, including passive low-energy

