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***“GREEN TECHNOLOGY FOR SUSTAINABLE HUMAN SETTLEMENTS”***

**Concrete Technology for Sustainable Green Developments**

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**Abstract:**

Ancient and modern civilization has been built on, and with, concrete. Socially, it has made an immensely positive contribution towards society and human settlement development. As a result, concrete is the most widely used material in the world today. (Crow, 2008). In response to the global drive towards energy efficiency and creating more sustainable human settlements, innovative technological advances are being made by the cement and concrete industry to reduce its carbon footprint, both locally and internationally. Some of these innovations are discussed in greater detail, with specific reference to their application in human settlement design and construction. The contribution of concrete towards creating more sustainable and green human settlements is discussed in brief. A number of case studies are discussed to illustrate the implementation thereof. Finally, the author suggests a number of initiatives to the human settlements industry in order to reduce its carbon footprint and increase its sustainability.

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