

Are You Just GREEN.....

Or Are You SUSTAINABLE?

Sustainability

.....is an attempt to provide the best outcomes for the human and natural environments both now and into the indefinite future. It relates to the continuity of economic, social, institutional and environmental aspects of human society, as well as the non-human environment. It is intended to be a means of social engineering by configuring civilization and human activity so that society, its members and its economies are able to meet their needs and express their greatest potential in the present, while preserving biodiversity and natural **ecosystems**, and planning and acting for the ability to maintain these ideals in a very long term. Sustainability affects every level of organization, from the local neighborhood to the entire Earthplanet.

Sustainability & Technology All outside **equipment** must be selected with careful consideration given to the local finance available for **maintenance and replacement**. Cultural acceptability and the local capacity to maintain equipment and buy spare parts are vital.

Sustainable Architecture

.....also known as Green Architecture or Green Building is an approach to architectural design that emphasizes the place of buildings within both local ecosystems and the global environment. Sustainable architecture, framed by the larger discussion of Sustainability having to do with the pressing economic and political issues of our world, seeks to minimize the negative environmental impact of buildings by enhancing **efficiency** and moderation in the use of **materials, energy**, and development space.

Life Cycle Energy Efficiency

....is the most important single goal of sustainable architecture. Architects use many different techniques to reduce the energy needs of buildings and increase their ability to capture or generate their own energy.

Re-Using Structures and Materials

....Some sustainable architecture incorporates **recycled** or second hand materials. The reduction in use of new materials creates a corresponding reduction in embodied energy (energy used in the production of materials). Often sustainable architects attempt to **retro-fit** old structures to serve new needs in order to avoid unnecessary development.

From this....



...beat up and ready for the trash heap?

To this...



....refurbished and totally sustainable!!!

AES Induction 100,000 hour lighting systems are truly sustainable!!!