

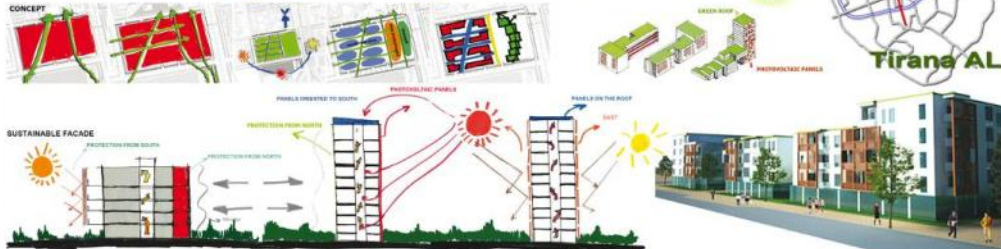
# Sustainable Architecture

## Green building technologies and materials

Nowadays, one of the major worldwide problems concerning economic and political influence is the production of energy to guarantee the living conditions. In the world, in order to facilitate this problem, for many years architecture has seriously interfered with the application of a series of directives and innovative systems which has resulted successful.

The answer: "Sustainable Architecture" is a general term that describes environmentally conscious design techniques in the field of architecture. In the broad context, sustainable architecture seeks to minimize the negative environmental impact of buildings by enhancing efficiency and moderation in the use of materials, energy, and development space. Most simply, the aim of sustainability, or ecological design, is to ensure that our actions and decisions today do not diminish the opportunities of future generations.

In Albania, although construction has advanced recently, directives and construction technologies are very backward, not matching with those of developed countries, and without considering the concept of "Sustainable Architecture". We should stay "STOP" to this negative phenomenon, which still may persist in the developing area and even in the future of this country being. The main aim of this study is the integration of an "evolution of technological ideas" such as: building placement, materials sustainability, insulation, heating, ventilation and cooling systems efficiency, solar panels, wind turbines, solar water heating, recycled materials, waste management, recycling of rainwater, etc. in an urban area of Tirana, but also the optimum utilization of natural elements as moderating elements of microclimate, noise and air quality improvement. The result: "The ECO-VILLAGE" - several neighborhoods designed to ensure comfort within the dwelling as well as within the neighborhood itself. All this will have a positive impact on living and working improvement.



## abstract >>>

The Concept of Integral Block

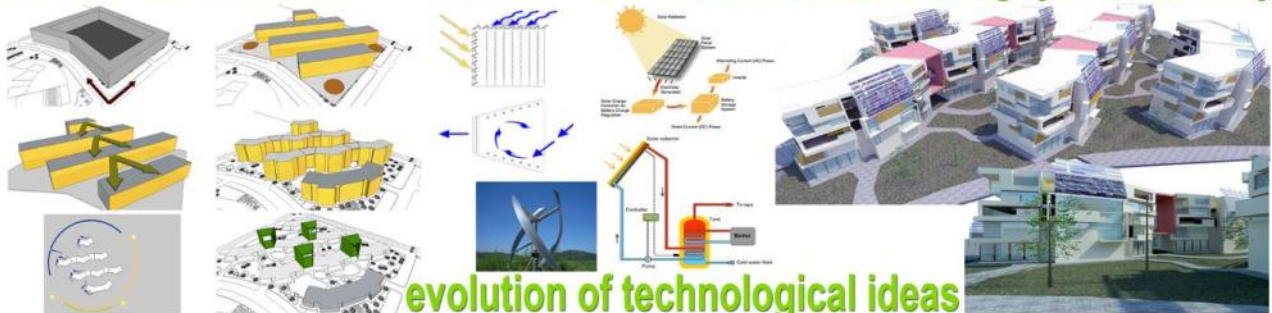
The Concept of Multifunctional Building

PROPOSAL OF INTEGRAL BLOCK - SUSTAINABLE BUILDING



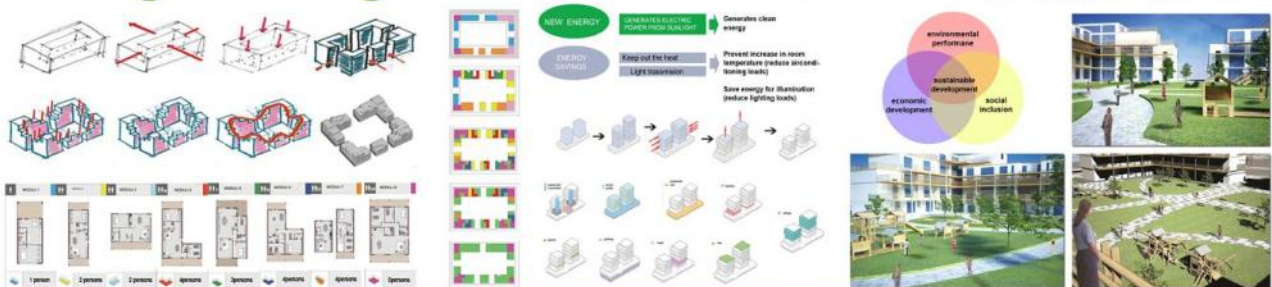
## ECO-VILLAGE

## ventilation and cooling system efficiency



## ecological design

## ECOtower SYSTEM



### Contacts

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