

Contemporary vision of the Traditional building systems of the rural Mediterranean Residence

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Abstract:

The importance of the research is showing the technical and economic value of Traditional building systems of the Arab rural Mediterranean Residence as an architecture that places the economic factor as a basic axis for construction, where the materials produced the techniques, and the burden of adapting the material and developing the technology to compensate for the material weakness through Added Value.

The problem of research lies in answering the question: Is it possible to take advantage of the traditional building systems for the Arab rural Mediterranean Residence to obtain economic architectural designs characterized by the elements of contemporary housing? And are there reasons that explain this simplicity in implementation?

The research aims to revive the traditional building systems of the Arab rural residence, and creating an architectural design that meets building standards that are inspired by that heritage. The research Hypotheses is the possibility of exploiting earth resources to build economic architectural structures that bring together human, social and environmental) factors through a contemporary vision. The research limitation are: the envelope and the construction.

The research presented the building systems and local inherited technology in the different environments in the area under study, through an analytical approach, of Vertical and Horizontal Structures, It was limited to studying the housing between the eighteenth century and the first thirties of the twentieth century, Then the building systems were applied to an architectural design in an Egyptian environment through an applied approach.

Then the results were presented and discussed where it was possible to take advantage of the traditional building systems in North Sinai to make an architectural design for chalets of a tourist village, characterized by the elements of modern housing. The research believes that the contractor investor who has the ability to implement a complete society based on local earth raw materials and technologies will be a Pioneer and an example to be followed in future architecture field in Egypt and all developing Arab countries

Keywords:

Traditional building systems, The Arab rural Mediterranean Residence, Local Building Materials