

## The Prospective Assessment of Zero-Energy Dwellings

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**Abstract :** The highest priority of so called, projected *passive houses* is to meet the appropriate energy demand. Every single material and layer which is injected into a dwelling has a certain energy quantity stored. The *passive houses* include optimized insulation levels with minimal thermal bridges, minimum of air leakage through the building, utilization of passive solar and internal gains, and good circulation of air which leans on mechanical ventilation system. The focus of this paper is on passive *house* features, benefits and targets, their feasibility and energy demands which are set up during each project. Numerous *passive house-standards* outline the very significant role of zero-energy dwellings towards the modern label of sustainable development. It is clear that the performance of both built and existing housing stock must be addressed if the population across the world sets out the energy objectives. This scientific article examines passive house features since the many passive house cases are launched.

**Keywords :** benefits, energy demands, passive houses, sustainable development

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