

عنوان مقاله:

Energy Conservation in Buildings According to Modern Passive House Designs

محل انتشار:

ششمین کنفرانس سالیانه انرژی پاک (سال: 1397)

تعداد صفحات اصل مقاله: 10

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خلاصه مقاله:

Renewable Energy is being used worldwide as it is, environment-friendly and that its sources are virtually infinite. Buildings are the main part of energy consumption throughout the world, and this article introduces the designs that use renewable energy technologies in buildings in order to achieve low energy consumption. There has been a global effort in order to standardize a method and design to achieve that goal. This article also examines the ways and different technologies that have been employed in these designs to help to understand the design. In this article, we concluded that the Passive House Design can reduce the energy consumption up to 50% and save a massive amount of energy that can be used in other more productive ways. It also showed results towards a better environment and other areas in buildings and showed that by employing these designs and technologies, not only we could decrease the energy consumed in buildings but also, improve living conditions. The Passive House design has been employed in European countries and has been proven to be energy efficient and benefitable.

کلمات کلیدی:

Renewable Energy, Building Energy Efficiency, Passive House, Sustainable Building, Solar Energy, Energy Conservation

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