

Solar energy in architectural design of a hotel

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ABSTRACT:**ABSTRACT:**

Respecting the high consumption of energy in public buildings, optimization of energy consumption and proposing administrative solution in order to mitigate the energy consumption seems an indispensable issue. Any form of utilizing solar energy is desirable but the economic conditions of each one should be precisely calculated. Therefore, the objective of the present paper is to design a hotel enjoying the benefits of solar energy. The solar energy utilization can be beneficial in cooling and heating systems used in hotels and houses and it can highly save the energy consumption so that it reduces energy consumption by 0.5%. This review speaks about utilizing solar energy (if its technology is produced in the country) that can play a major role in the industrial independence of the country.

Keywords:

Solar energy, Hotel design, Alternative energy.