

## عنوان مقاله:

Energy Efficiency and its Role in Achieving Sustainable Architecture

## محل انتشار:

سومین همایش ملی سوخت، انرژی و محیط زیست (سال: 1392)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Energy consumption in buildings is a large share of the world's total enduse of energy. Residential and commercial buildings require approximately 35% of theend use of energy, in addition to this energy is used for buildings also in the industry. Inthis context the paper proposes the energetically analysis for a small scale modern station,providing solar heat to a solar building with 2 floors, located in the city of Isfahan, IRAN.The paper describes the location, size and thermal regime of the solar building; there arealso presented the heating system facility and equipment components, designed for thesolar building located in Isfahan Museum Park. Based on the achieved simulations it isshown that compared to the ordinary control the energetically based control providesremarkable advantages and savings concerning the auxiliary heating energy. This resultshould be valid for any systems similar to the particular .one in Isfahan

## کلمات کلیدی:

Renewable Energy, Sustainable Architecture, Temperature, Solar Buildings

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/223553>

