



Sustainability and Heritage Buildings	عنوان البحث باللغة التي نشر بها
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ملخص البحث باللغة الإنجليزية ( اللغة التي نشر بها )

### Sustainability and Heritage buildings

In recent years a worldwide rise in environmental concerns has placed sustainability at the forefront of the political agenda. Many governments have introduced policies for the purpose of conserving energy, increasing renewable energy sources while reducing carbon emissions.

Within the stock of existing buildings are those buildings that have been identified by their communities as being heritage buildings. Where heritage buildings suffer from weaknesses in green building performance these weaknesses can be corrected as part of a rehabilitation process. This paper discusses the opportunities and issues related to the rehabilitation of heritage buildings to be sustainable and green. It also explores the potential synergies between heritage preservation and sustainable development.

There are different treatment approaches of the heritage building such as Preservation, Rehabilitation, Restoration, and Reconstruction...etc. Choosing the most appropriate treatment for a building requires careful decision-making about a building's historical significance, as well taking into account a number of other considerations: Relative importance in history, Physical condition, Proposed use, Mandated code requirements.

Through the case study examples the paper illustrates how the most suitable intervention can be done in ways that respect the heritage value of the buildings and how it is related to the degree of intervention that is carried out to achieve conservation the better.