## Windcatcher

A windcatcher, wind tower, or wind scoop (Persian: \$\delta \delta \delta \) is a traditional architectural element, originated in from (Persia) , used to create cross ventilation and passive cooling in buildings. (1) Windcatchers come in various designs, depending on whether local prevailing winds are unidirectional, bidirectional, or multipliectional, on how

Neolected by modern architects in the latter half of the 20th century the early 21st century say them used again windcatcher-ventilated building is less than that of a similar building with conventional heating, ventilation, and air conditioning 0-NMCI systems. The maintenance costs are also lower. Unlike powered air-conditioning and

in places where grid power is unreliable and expensive, such as india) (REVI) Windcalchers retr on local weather and microclimate conditions, and not all techniques will work even-where:

local factors must be taken into account in design. A Windcatchers of varying designs are widely used in North Affice West Asia and India PCES A simple, widespread idea, There is evidence that windcatchers have been in use for many millennia, and no clear evidence that they were not used into prehistory (2011). The "place of invention" of windcatchers is nonetheless intensely disputed; Egypt, Iran, and the United Arab Emirates all claim Windcalchers vary dramatically in shape, including height, cross-sectional area, and internal sub-divisions and

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## Iranian Windcatchers

Iran

Windcatchers, also known as badgirs, are traditional Persian architectural elements that capture and circulate the wind to cool indoor spaces.

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