

Shadi Alwan

Abstract (Shamsan Mountain Gallery):

The project is located in Aden City, southern Yemen. Aden is located in the southwest of the Arabian Sea coast. Geographically, it is the southwestern border of Yemen. The city of Aden is one of Yemen's most beautiful and most important cities ever possessed by originality and architectural heritage on the one hand and on the other hand the urbanism, modern and urban and civil planning assets.

Aden has a desert climate. During the year, there is virtually no rainfall in Aden. Sometimes the hot weather and the humidity is a big challenge in this kind of cities.

The purpose of the project

The project is a kind of research about the sun and the shading systems and how to modify the spaces in a way that creates useful areas for people to spend more time in relaxing or doing other activities.

The purpose of my project is also linking three historical sites in the city and offering a place that serves as a gallery/seasonal museum which the city lacks.

The research problem that motivates the project

In addition to the climate and lack of similar projects in the city, another research problem that motivated the project is that the site is considered as one of the most visited by local and international tourists. And the site is poorly equipped and does not provide the basic elements that facilitate people's tour.

The methods used to address this research problem

To address the problems and solve them I designed a project by studying and analyzing the site with the lady bug grasshopper program, which gave me a valuable chance to improve my skills in such techniques.

The significance of the research project why is the research possible

It can serve as a tool to enhance the new technology in a way to help create buildings or structures that helps to reduce the effect of the sun and humidity in the hot areas. It will also be a good reference in similar projects.

The municipality announced the need for a seasonal museum or a gallery near the historical sites. The research in the relation between heat, sun and humidity in hot places is important and needs to be improved.