

## **Renewable Energy systems for Petra**

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### **Abstract**

It is a well known fact that Jordan is a non petrol producing country. So, Jordan is in great need for other energy sources, New and renewable. Renewable Energy Systems (RES) are of great value for Jordan. Since Jordan depends totally to satisfy its requirements of energy on imported oil. This in turn, depends on the world's market prices and availability of oil, which puts Jordan in real energy crises if imported oil, for any reason, suddenly faces difficulties. The energy alternatives can be a contingency source. .

The objective of this work is to study the performance of RES to be used in the Petra as ruins & desert regions as a replacement to diesel generators and apply other RESs to replace different systems operated by electricity power in different uses. A feasibility study will be included for establishing complete systems and study the environmental impacts.

*Bait Al Anbat*