



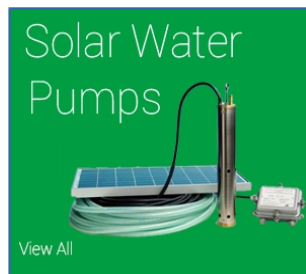
KALADI ROCK

THE SUSTAINABLE EXPERIENCE – ZERO ENERGY BUILDING

1. WATER

The water supply is provided by ground drilling, which bares substantial reserves. The water pump functions with electricity that is produced by the PV solar panels in situ.

- 1.1. The cool water is used for watering the gardens and for the lavatories of the resort (*we suggest no drinking*).



- 1.2. The hot water for showers is provided by Solar Water Panels, which are placed in such a way that they do not create optical disturbance.

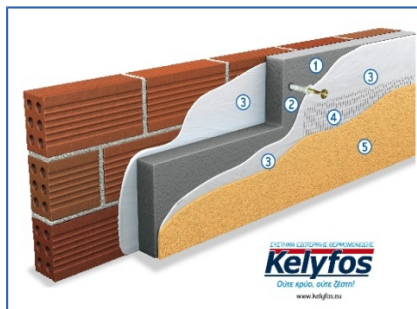


2. ENERGY

The whole complex is **Solar & Wind Powered**, based on the concept of the Minimum Energy Demand.

Kaladi Rock has been designed in a way that needs minimum energy for heating / cooling and electricity.

- 2.1. It is built to energy standards provided by the outer wall total insulation, therefore the mass of the dwellings consume very little energy for heating & cooling. For cooling, the thick outdoors insulation keeps the mass of the buildings cool the day time. The night breeze flushes out the excess heat.



Low speed ventilators temper the heat in order to keep the indoors within the human comfort zone.



- 2.2. The electricity used for running the complex is specially designed Stand Alone Photovoltaic & Wind Systems. The PV panels are placed on the white pergolas in a smart way, thus not spoiling the ECO surroundings.

