

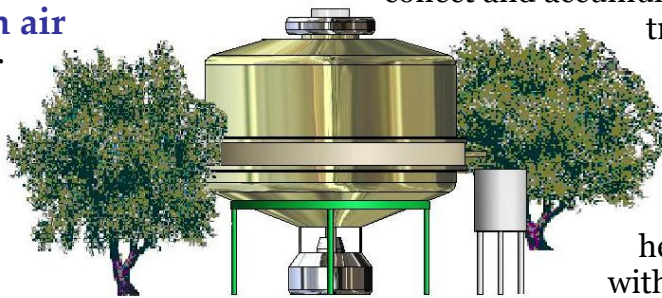
## EWA Technologies;

**An alternative water source based on Extraction of water from atmospheric air, and solar power cooling and air conditioning**

EWA Tech. Ltd., a private Israeli company, is dedicated to take part in the global effort for the protection of the environment and provide environmental friendly solution for humanity. EWA Tech acting in development and implementation of novel technologies, mainly in the fields of alternative energy and water sources.

### Extraction of water from air

Water extraction from air moisture as an alternative source for water is known since bible times. The patented technology for Extraction of Water from Air (EWA) developed by EWA Tech Ltd. make use of powerful natural process, combine with sophisticate adsorption technique to extract air moisture, even in semi arid, with minimal energy consumption. EWA (Extraction of Water from Air) is unique patented technology (WO/2008/018071) developed by EWA Tech Ltd. is used to produces various apparatuses and water production plants in various capacities, from few liters and up to hundreds of cubic meter of water per day. The EWA technology combined adsorption of air humidity on solid desiccants and condensation with capability to recover and return more than 85% percents of the energy invested for the water production. The EWA technology was developed to be effective almost at any RH, utilizing all kind of energy sources, including renewable energy sources. In order to meet the global water drought and lack of water infrastructure, EWA Tech developed a new system, named "The Rural Concept", to supply water in extremely low cost for the rural regions and for agricultural uses. The EWA technology is answering the world's desires for available, clean and safe water without the necessity for air polluting energy and expensive infrastructure.



### Solar Power Air Condition

EWA Tech's solar air-conditioner (SAC) is based on basic physical processes, making use of solar heat as driving force, while electric power is not required. The key for the EWA Tech's patented SAC (WO/2008/114266) is in its' sophisticated solar-collector capable to collect and accumulate solar energy and transform the heat energy to effective and efficient cooling. A granular solid material, located in the solar heat collector, interact with aquatic liquid mixture cool liquid contained in a radiator that acts as heat exchanger. The solar collector can accumulate solar heat and utilize it for cooling, even after 8 dark hours. One square meter of solar panel is capable to collect sufficient solar energy to maintain temperature of 22-24°C in space of about 20m<sup>2</sup> (equivalent to about 4,000BTU). EWA Tech developed two types of SAC systems; passive and dynamic, the first for solar cooling and the second for domestic air conditioning.



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