

Ecoprofitable[™] Heating

ENERCAP Ecoprofitable[™] Heating: The most economic solution to produce hot water in Africa



THE FACTS:

- ☆ Insufficient electric capacity
- ☆ **High electricity subsidies**
- ☆ Growing demand
- ☆ Large consumption of electricity for water heating

THE SOLUTION PROPOSED BY ENERCAP:

- ☆ EcoProfitable Heating[™]: hot water provided by renewable energy, always available to inhabitants, without using combustibles

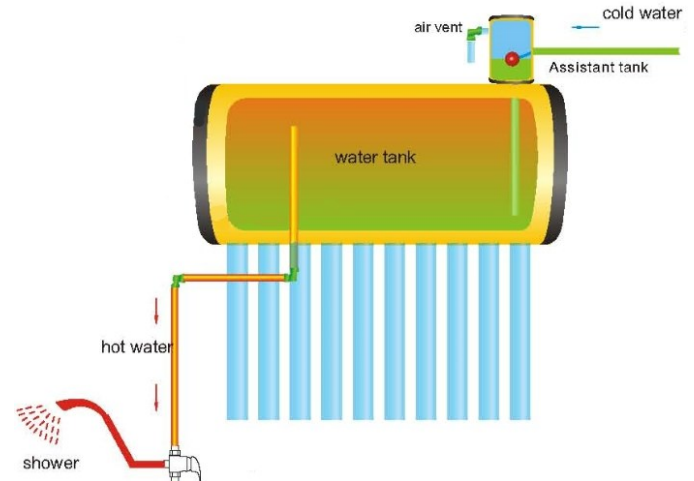
A Global program to implement solar hot water systems in Africa

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PRESENTATION OF EcoProfitable™ Heating

ENERCAP's EcoProfitable™ Heating system allows storage and use of solar energy to heat water.



- ☆ **EcoProfitable™ Heating** system comprises of a thermal solar panel from 0.7 to 2 m² and a storage water tank from 60 to 200 liters
- ☆ The capacity of storage can afford water demand for households of up to 10 persons
- ☆ Easy installation and maintenance according to its plug and play design
- ☆ Independent working tubes, to mitigate risk of failure
- ☆ No need for electric power supply.

The study of the demand comprises of:

- ☆ A Precise evaluation of each household's needs and water consumption
- ☆ An optimal technical solution according to the needs

Ecoprofitable™ Heating

A TURNKEY SOLUTION

Thanks to an integrated approach, our solution includes all the service for a well implementation project:

1. **Financial procurement** (international institutions and carbon finance)
2. **Study of the demand** and dimensioning
3. **Optimal implementation study**
4. **Delivery, installation, and implementation**
5. **Maintenance training to guarantee self management and local employment**
6. **Awareness campaign**
7. **Installation of a production plant**

ADVANTAGES OF EcoProfitable™ Heating

ENERCAP's complete solution allows efficient response to Africa's needs:

- ☆ **Reduction of state's subsidies for fossil fuel**
- ☆ **Reduction of the power demand and peak shaving**
- ☆ **Implementation of a renewable energy sector and creation of local jobs and skills**
- ☆ **Inhabitants less dependent of the inconveniences of the grid (power cuts, instability of the grid and high prices)**
- ☆ **Reduction of greenhouse gas emissions**
- ☆ **Place the country as leader in renewable energy**
- ☆ **Project eligible for international finance programs**

Use a free, available, and easily transformable energy
An efficient solution to decrease subsidies and satisfy inhabitants

ADVANTAGES FOR THE COUNTRY

Beyond the socio-economic advantages for the population, the implementation of this type of project will provide the necessary base for a massive development of renewable energies in Africa. The acquisition of techniques and technologies, the transfer of experience and knowhow proposed by ENERCAP allows large scale replication of renewable energy programs in Africa.

Allocation of renewable technologies and techniques



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