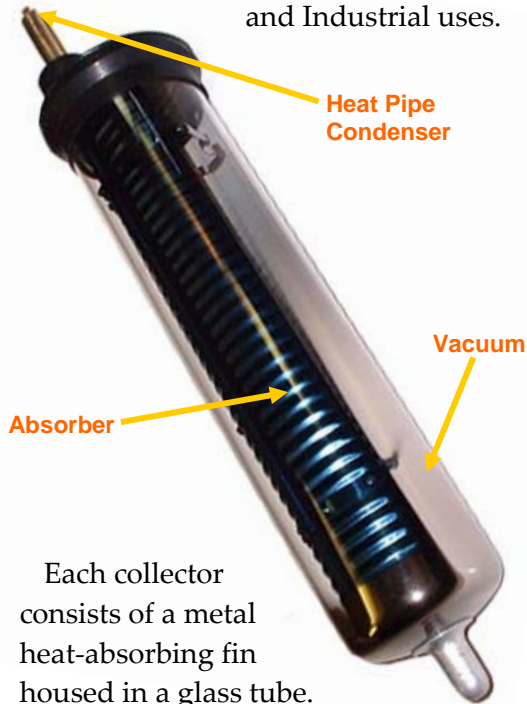


Developed for the aerospace industry, evacuated tubes are replacing flat plate collectors for more efficient water heating in residential, commercial, and Industrial uses.



Each collector consists of a metal heat-absorbing fin housed in a glass tube.

Air is removed, or evacuated, from the glass tube to form a vacuum, which eliminates heat loss.

Heat is transferred to the heat pipe condenser which can exceed 300°F. Multiple rows of tube collectors are mounted into a manifold to form the solar array.

Call MRB Solutions  
to find out if a  
SUNDA Solar-thermal system  
is right for you.

443-871-1634

fixit@mikebroglie.com

www.mrbsolar.com

All SUNDA tubes carry a  
ten year warranty.  
www.sundasolar.com



**MRB Solutions, LLC**

Other Divisions of MRB Solutions:

**MRB Home Improvement**

- Green home improvement contractor

**MRB Aquatic**

- Lake and pond management



**Solar Thermal Systems**  
Hot Water, Radiant Floors, Heated Pools

**HARNESS  
THE POWER  
OF THE  
SUN**



# What is Solar Thermal?

Solar-thermal systems use radiant energy from the sun to heat a glycol solution. Once heated, the glycol can be used to heat domestic water, radiant floors, towel warmers, pools and spas.

Commercial applications also include the use of solar thermal for air conditioning and refrigeration.

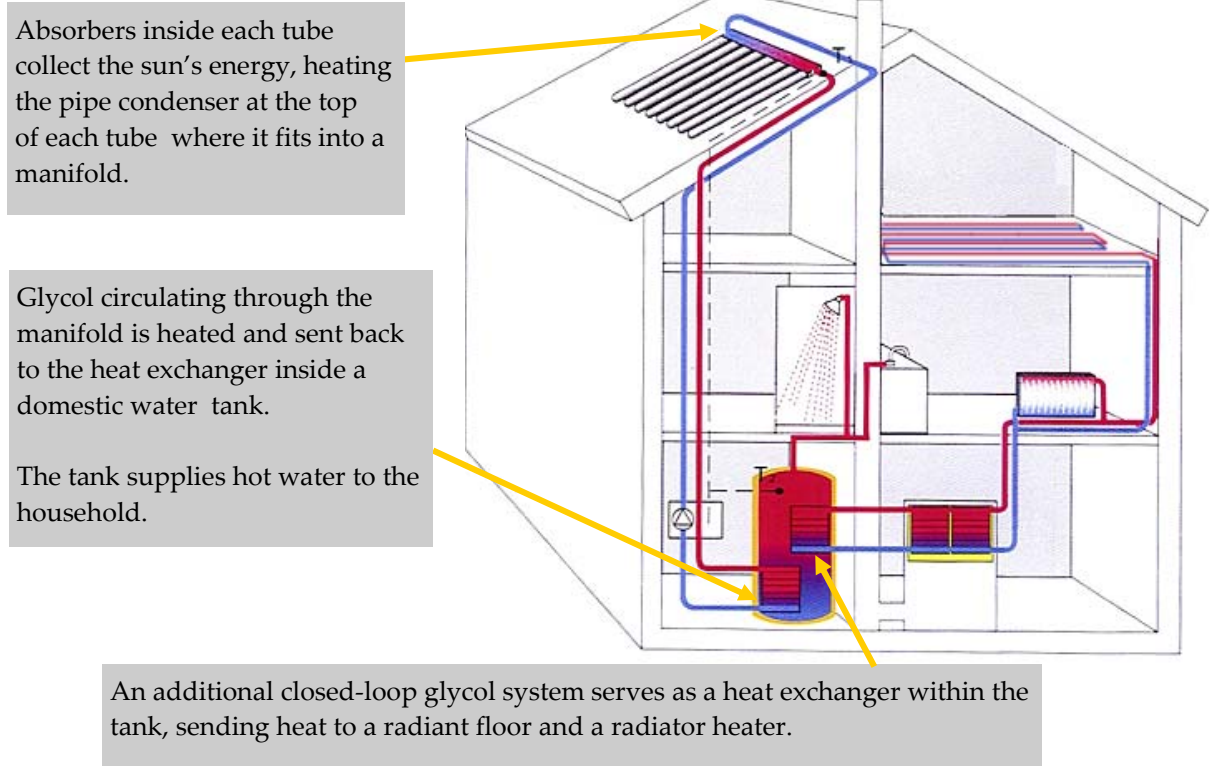
- Save money on energy
- Protect the environment

A considerable amount of energy is spent in homes, schools and businesses for heating water.

An optimally sized SUNDA system can provide from 65% to 70% of a typical household's hot water needs, and up to 100% during the summer. A business can save 40 to 80% on electric or fuel bills by replacing its conventional water heater with a solar heating system.

*(source: Solar Energy Industries Association, [www.seia.org](http://www.seia.org))*

## Simplified example of an evacuated tube system used for domestic hot water and radiant heat.



## SUNDA SEIDO Line of Evacuated Tube Systems

Evacuated tubes are far more efficient than flat-plate collectors that lose a lot of heat to the surrounding environment.

Operating at temperatures between 170 and 300°F, they are also well suited to commercial applications.

Additionally, flat plate collectors are more vulnerable to the elements and prone to

degradation. Life span for evacuated tube systems exceeds 20 years.

Large diameter tubes and increased collector area make the SEIDO line more efficient than other glass tube collectors.

Cost recovery for most domestic hot water systems ranges from 5 to 7 years. The more you use, the faster costs are recovered.