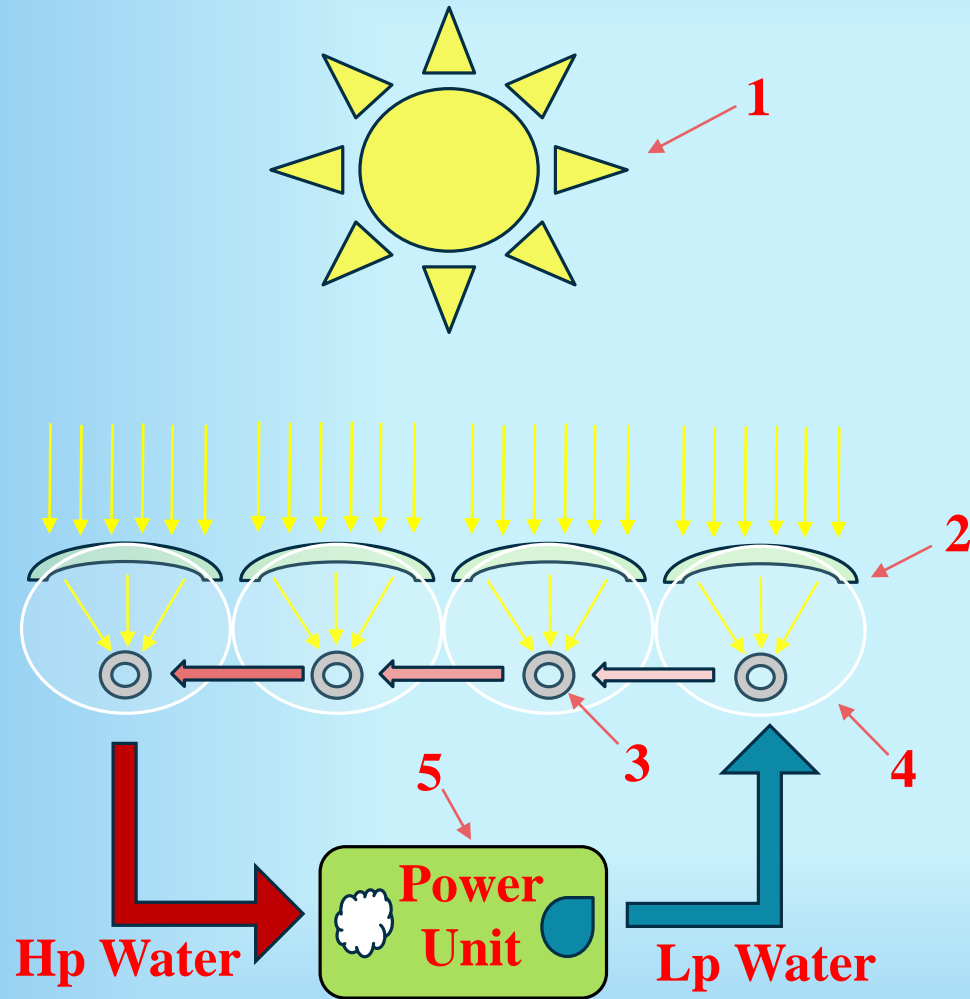




# “SpyGlassEnergy”

## Solar Prize Round 6



### HOW IT WORKS

(1) The Sun emits energy on the earth at approximately  $1.0 \text{ kW} / \text{M}^2$ . The concept sees an array of inexpensive special design proprietary lens (2) that focus the sunlight onto a high pressure absorber (3) in which flows highly pressurized water that absorbs the heat created by the focused energy that lands on the absorbers. The absorbers are interconnect so that the water flows throughout the entire array before exiting at very high temperature. The water is prevented from boiling due being held at high pressure. The system incorporates vacuum chambers (4) enclosing the absorbers to minimize heat (energy) losses. The super heated pressurized water (Hp) is delivered to a power unit (5) (engine/turbine) where it experiences sudden pressure drop immediately flashing to steam driving the power unit. This concept envisions a closed system where the residual energy of the condensed low pressure water (Lp) is recycled through the array to be pressurized and reheated.