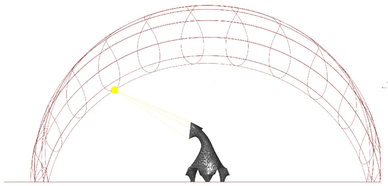
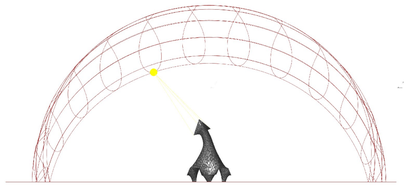
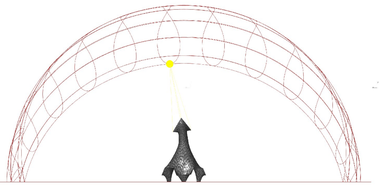
10:00 AM



11:00 AM



12:00 PM



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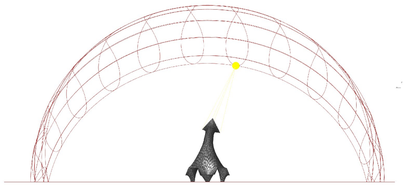

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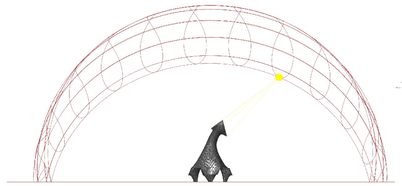

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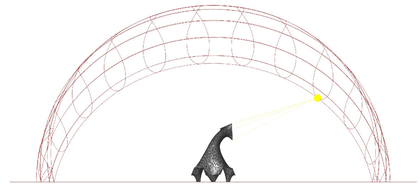
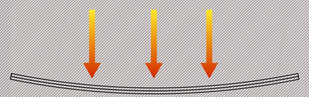


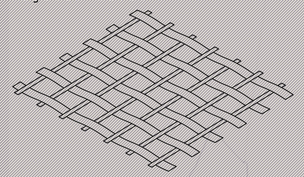
Construction use solar concentrator with Stirling engine to harvest solar energy. And use bimetallic strips to track the sun. This construction uses only properties of materials and do not require any kind of electronics

Bimetallic strips is an alloy of two metals with different coefficient of heat expansion

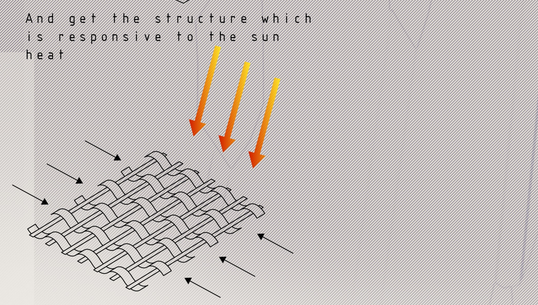
When heat is applied to bimetallic strips it bends

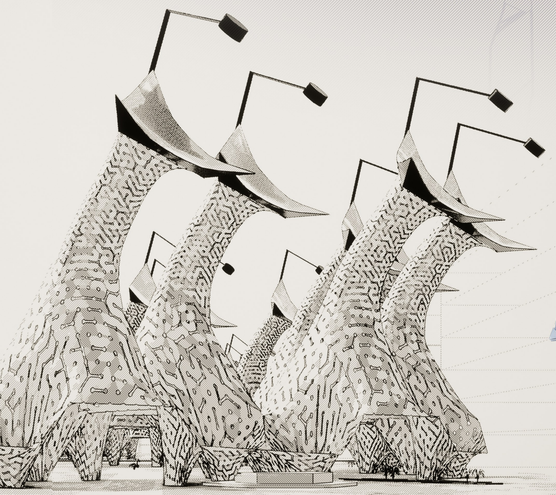


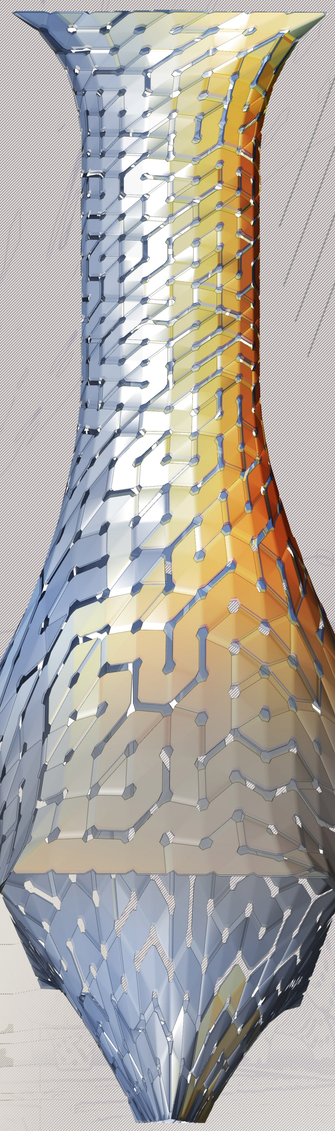
We can weave bimetallic strips with the strips of regular metal



And get the structure which is responsive to the sun heat







During the night tower stand still. And when morning comes, sun starts to heat one side of the tower. bimetallic strips start bending and shrink one side of the tower, force it to lean toward the sun.

During the day sun heat moves from one side of tower to another and makes tower follow the sun.