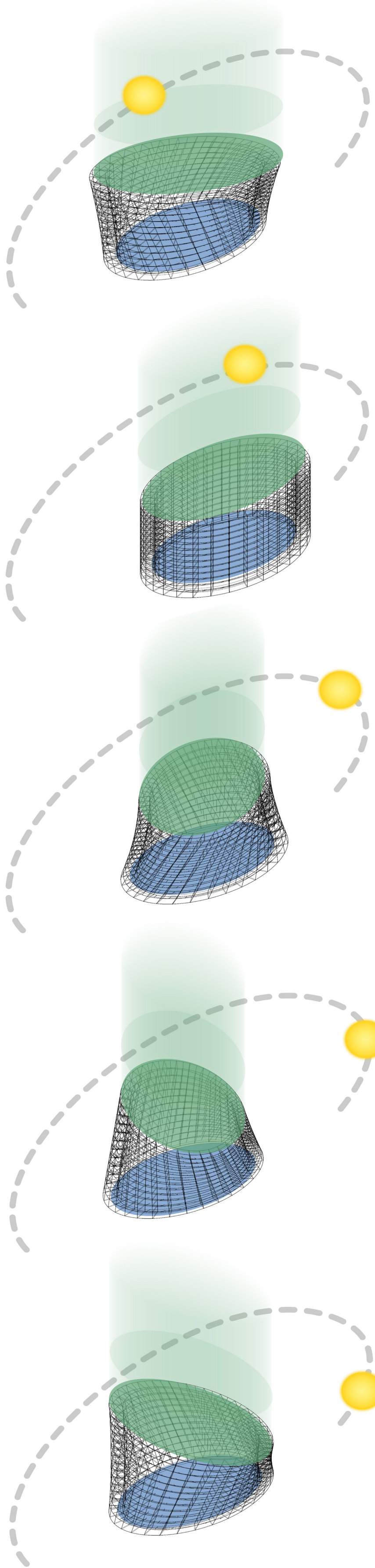
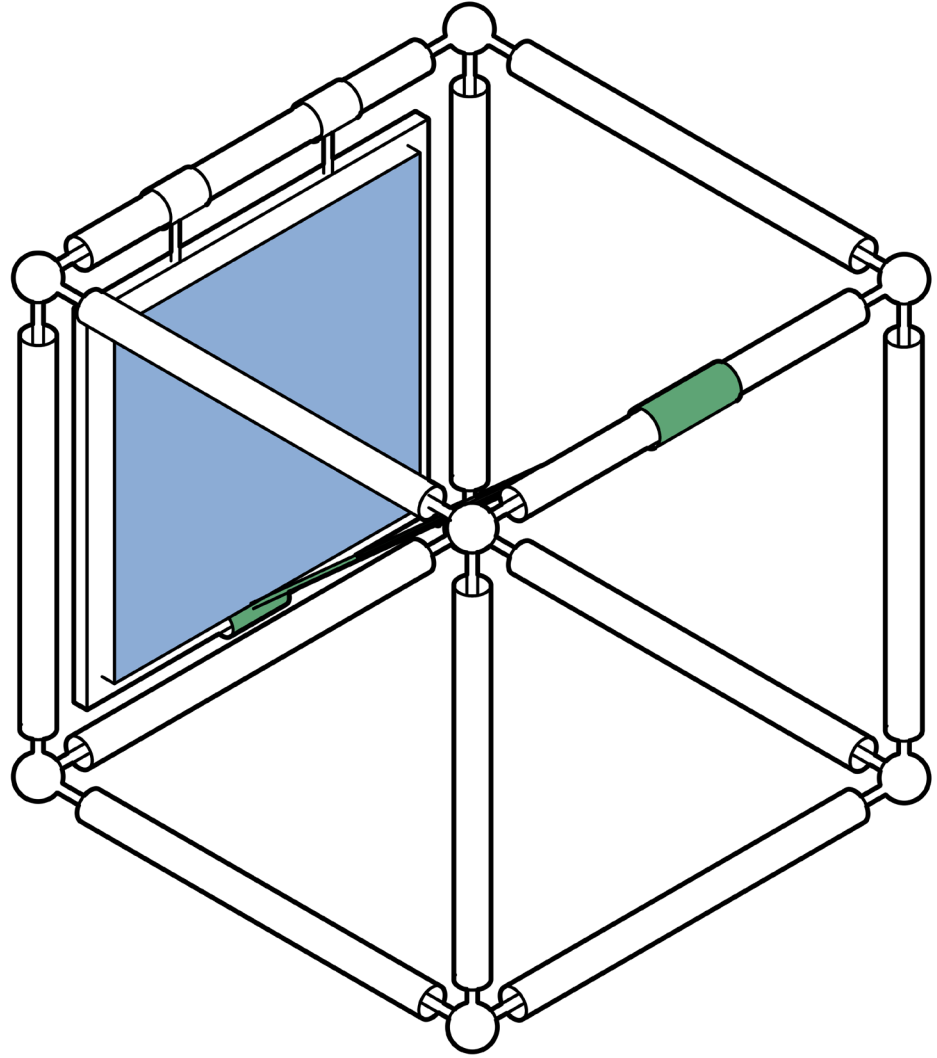


MOVING WITH THE SUN

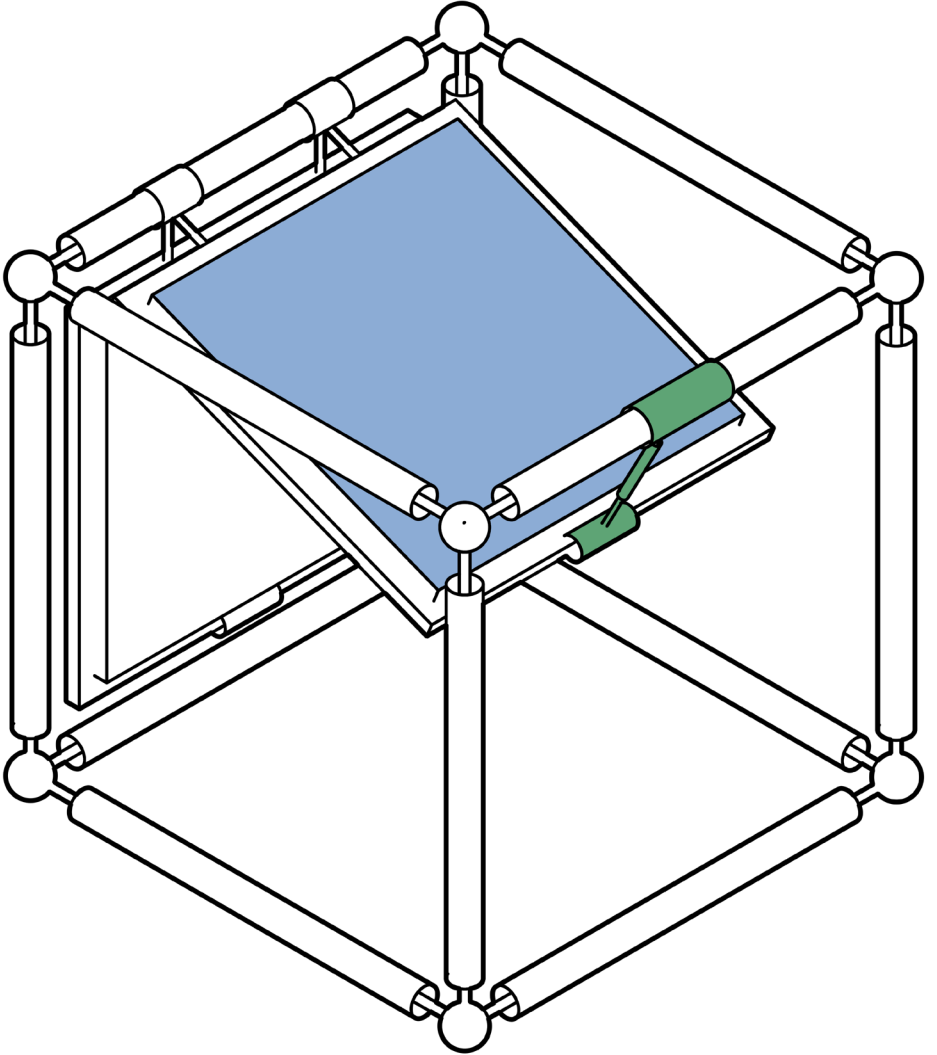
Use of Shape Memory Alloys (SMA) in the solar volcanoes allow the structures to move and respond to the position of the sun in order to maximize the photovoltaic surface area facing the sun at any given time. This allows for maximum power generation while also providing user interest and interactivity.



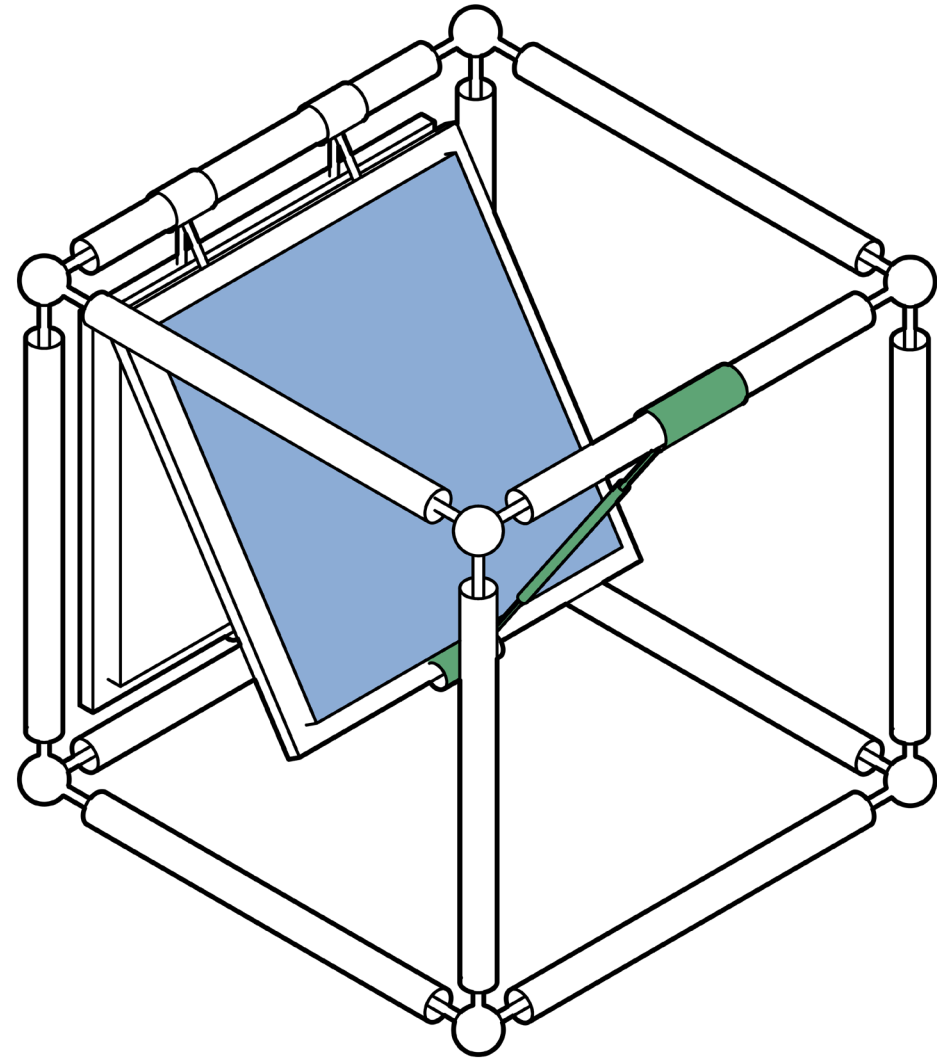
- Photovoltaic Panel
- Responsive Cylinder from Shape Memory Alloy (SMA)



Degree of sun: 0°
Maximum Size of SMA Cylinder
Around Sunrise and Sunset



Degree of sun: 75°
Minimum Size of the SMA Cylinder
From 10am - 3pm



Degree of sun: 30°
Decreasing the size of SMA Cylinder
From 7am-10am and From 3pm-6pm