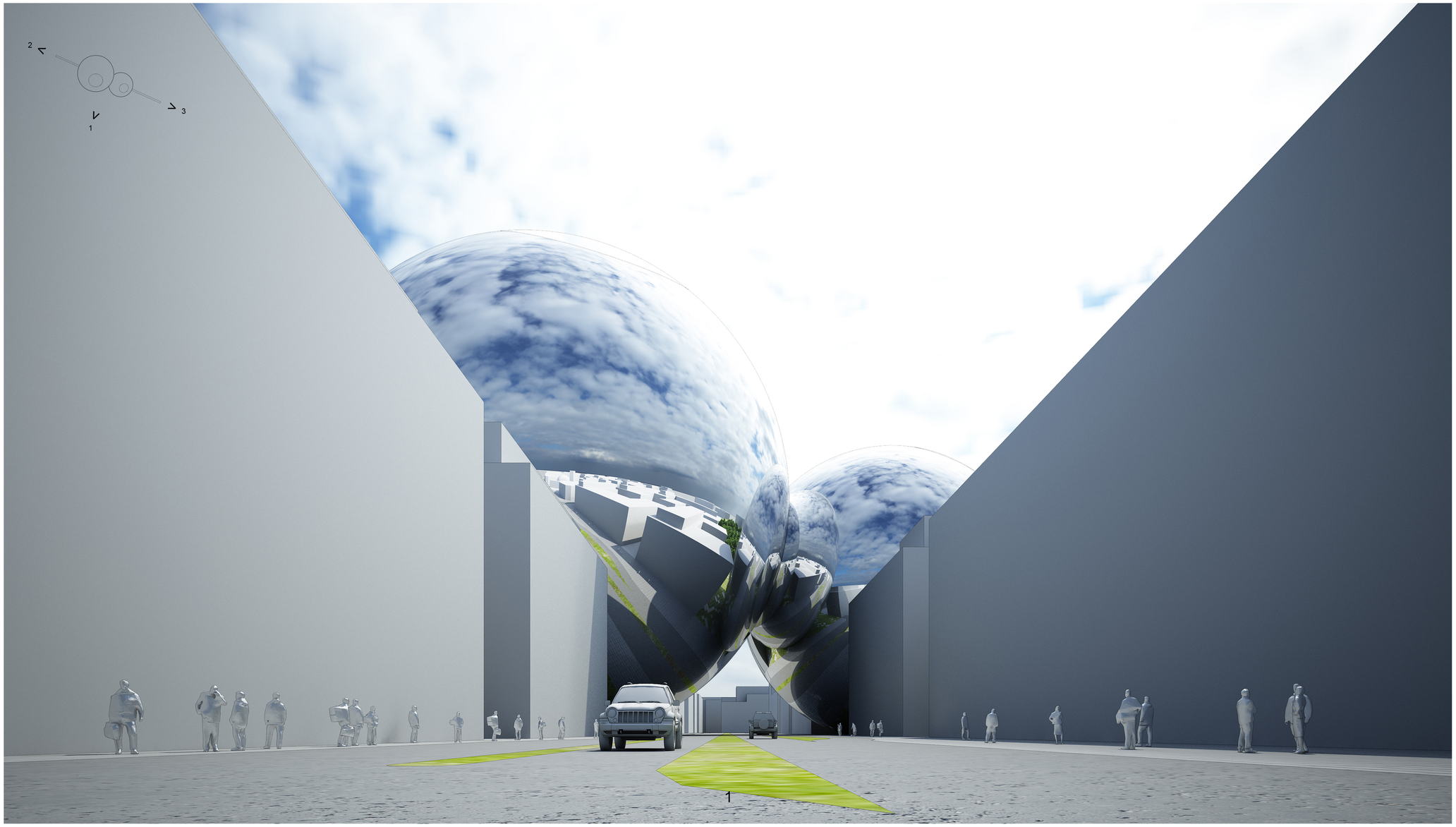
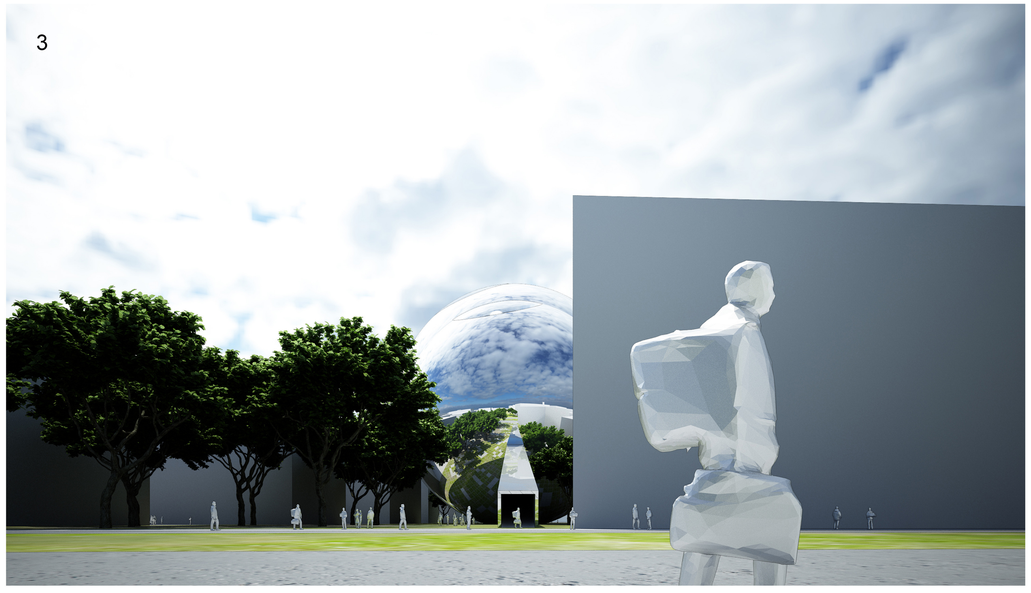




2. About sphere

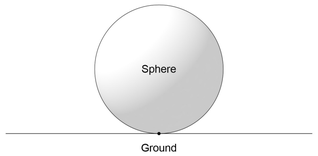
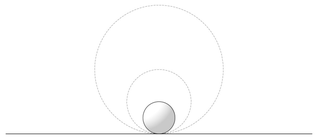
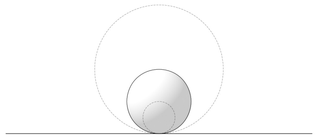


Diagram showing the relationship between the sphere and the ground
Mathematically, a sphere is Platonic solid that can have the largest surface area while occupying the minimum ground. It only requires one small point for contact with the ground, so it needs only the smallest ground to support the largest surface area.





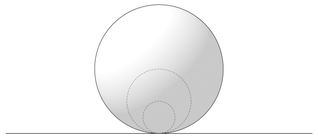
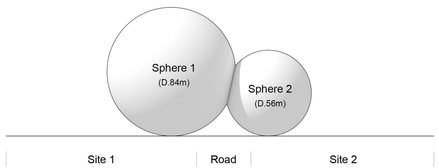


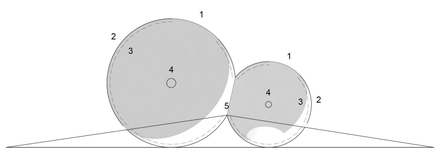
Diagram showing the relationship between radius and surface area of a sphere
As the radius of the sphere increases, the surface area increases exponentially.

3. Design



Design Concept
The essence of design is the two spheres leaning on each other across the road.

1 Lens 2 Outer surface of shell : Mirror 3 Inner surface of shell : Solar cell 4 Reflector
5 Ramp



Compositions of sphere
Each sphere consists of a lens, a shell, a nucleus (reflector), and a ramp.