

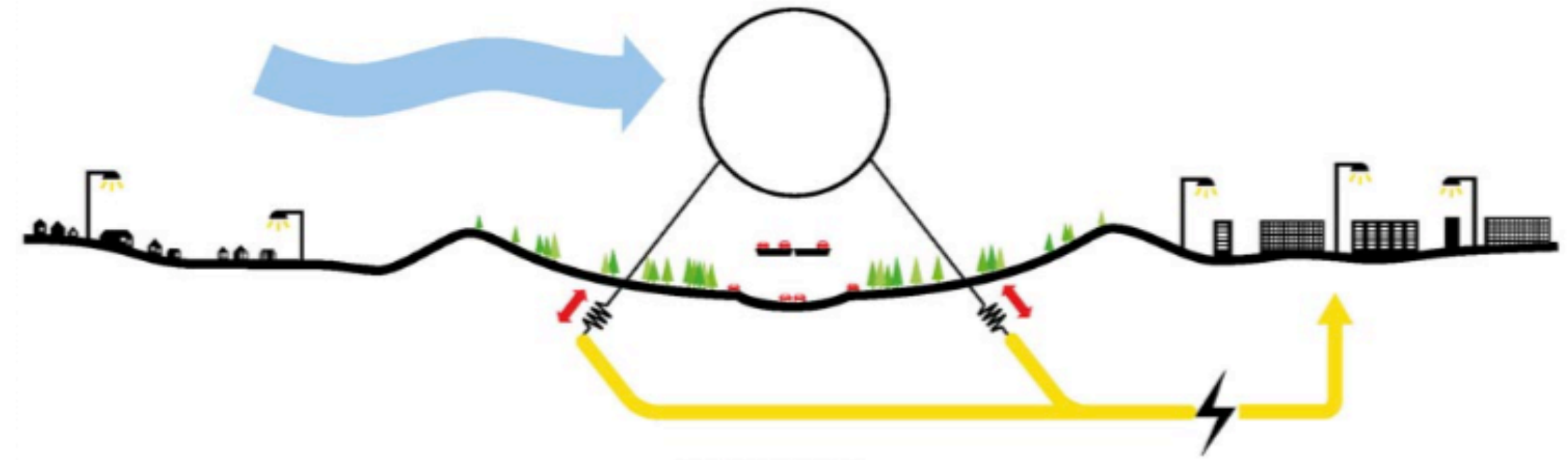
INTERNAL PRESSURE

An internal pressure of atmospherically pressure + 25 hPa is required to resist deformation due to wind impact. This is achieved by air constantly being pumped into the sphere.



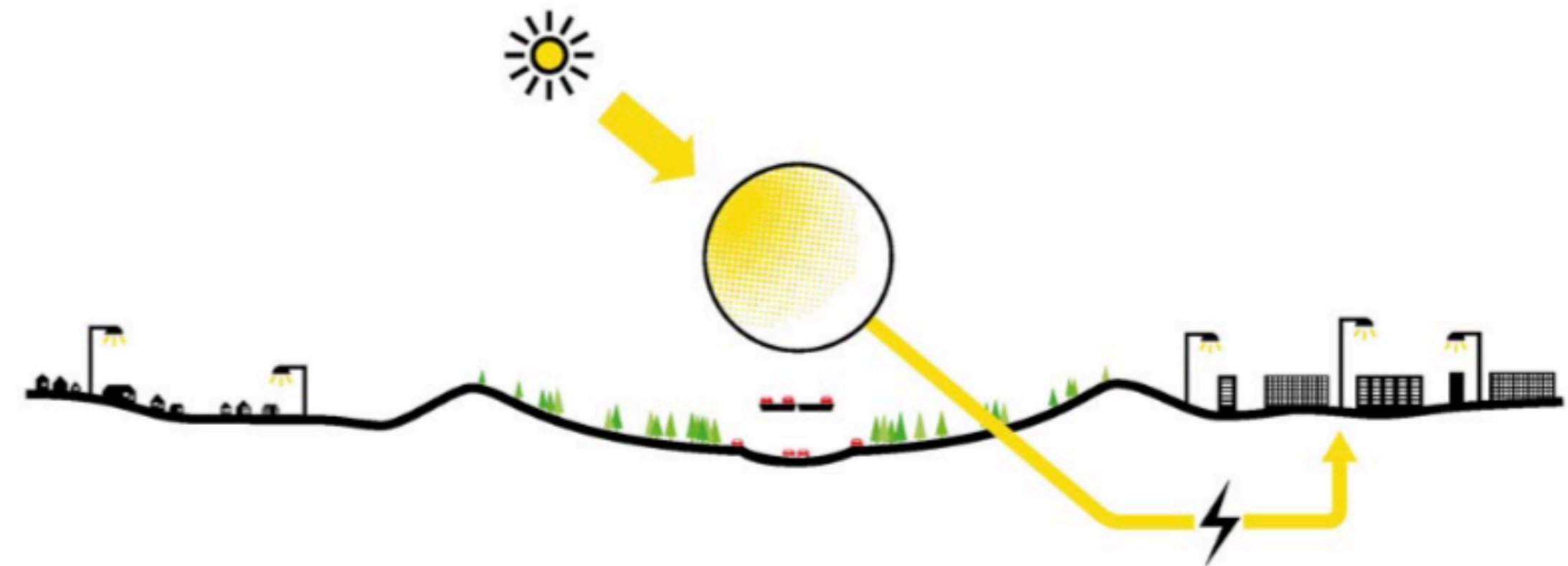
LIFT

The lifting force needed to keep the sphere floating is equal to 15 degrees temperature difference between the interior and exterior air.



WIND POWER

As the technology of harvesting wave energy further develops, the wind will also be a possible source of energy production in the sphere. In a similar way as wave energy is generated from the alternation between compression and tension these forces are an outcome when the wind meets the sphere.



SOLAR ENERGY

The photovoltaic cells on the surface of the sphere produce energy to light the new streets and supply the new developments with electricity.

