

CHALLENGE AND SOLUTION:

The universal protection for Covid-19 pandemic is the face mask. While it functions to prevent transmission of the coronavirus in airborne droplets, its form poses challenges:

1. Inaccessible design
2. Prevents natural breathing
3. Triggers social preconceptions

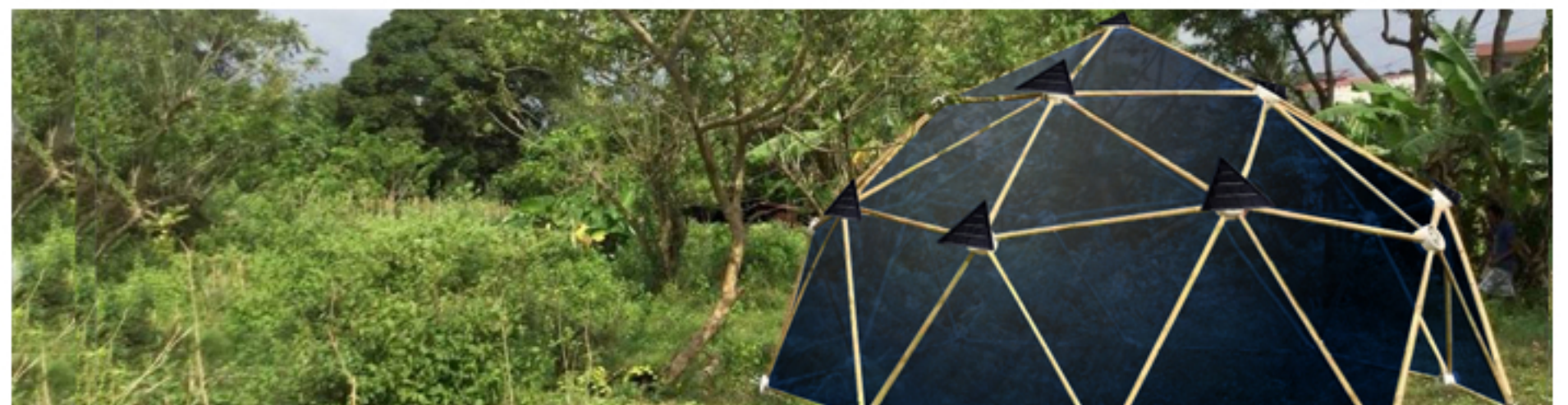
Inspired by the geodesic dome and based on organic principles through natural cross-ventilation and stack effect, the Pandemic Helmet is a scaled down geodesic polyhedron that protects from airborne droplets and filters exhaled air from within.



natural cross-ventilation and stack effect



scaled down geodesic helmet



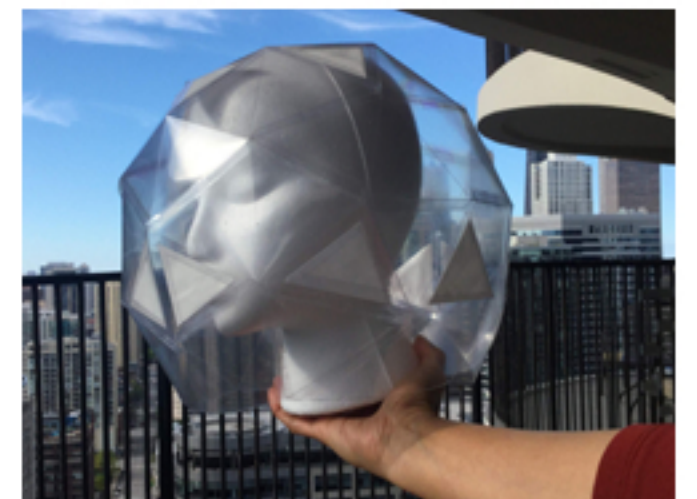
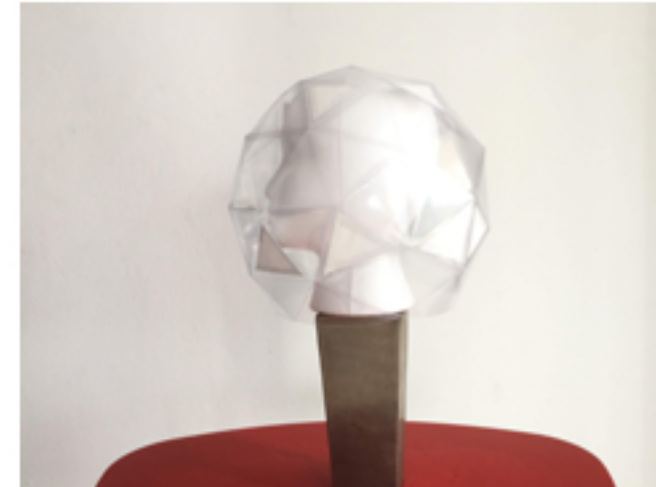
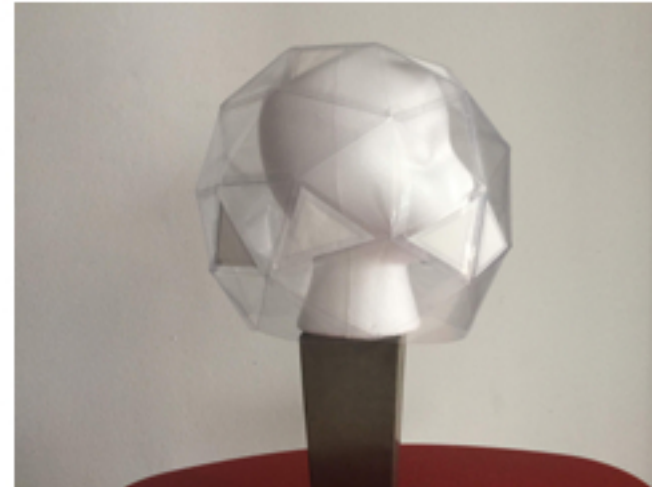
inspired by the geodesic dome

HOW DOES IT WORK?

It works great.

Just imagine a transparent Pandemic Helmet with built-in H.E.P.A. filters strategically placed along the breathing and speaking planes, including at the crown surrounding the geodesic polyhedron, it protects from virus-carrying air droplets.

You can see facial expressions that aid communication while it filters inhaled and exhaled air through natural cross-ventilation and stack effect.



geodesic polyhedron shape

