

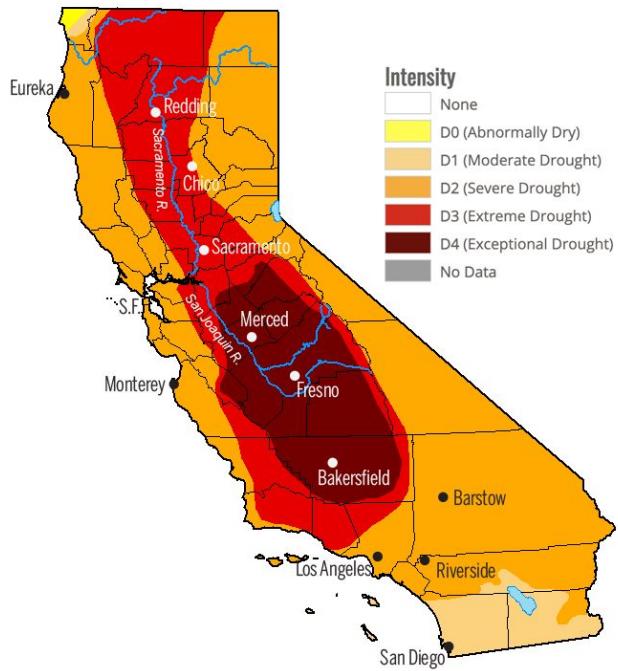
Halo

Weston Guo, Mike Gong, Eve Nepo AND Steven Dang

Has anyone ever been thirsty?



September 27, 2022



21.3 Million



How can we serve the most
vulnerable members of our community
with clean drinking water ?



MISSION

To distribute clean drinking water
sustainably through **Atmospheric**
Water Collection

Background Research

8

72%

Can get access to clean water resources

50%

Need Water Storage Overnight

32%

Concerned About Sanization

5%

Drink out of Hydrants



Marcus

Unhoused
41

About

Marcus spends much of his day moving between areas where he can rest safely. Access to clean water is one of his biggest daily challenges especially during summer months.

Pain Points

- experiencing societal stigma when using public infrastructure
- public drinking fountains are rare and often broken



Rosa

Retired
71

About

Rosa lives alone and depends on public transportation for errands and weekly visits to her doctor. On hot days, she gets dizzy easily, and carrying a water bottle everywhere is inconvenient.

Pain Points

- heat and dehydration making public commutes a struggle
- hard to find, safe, and sanitary public drinking areas

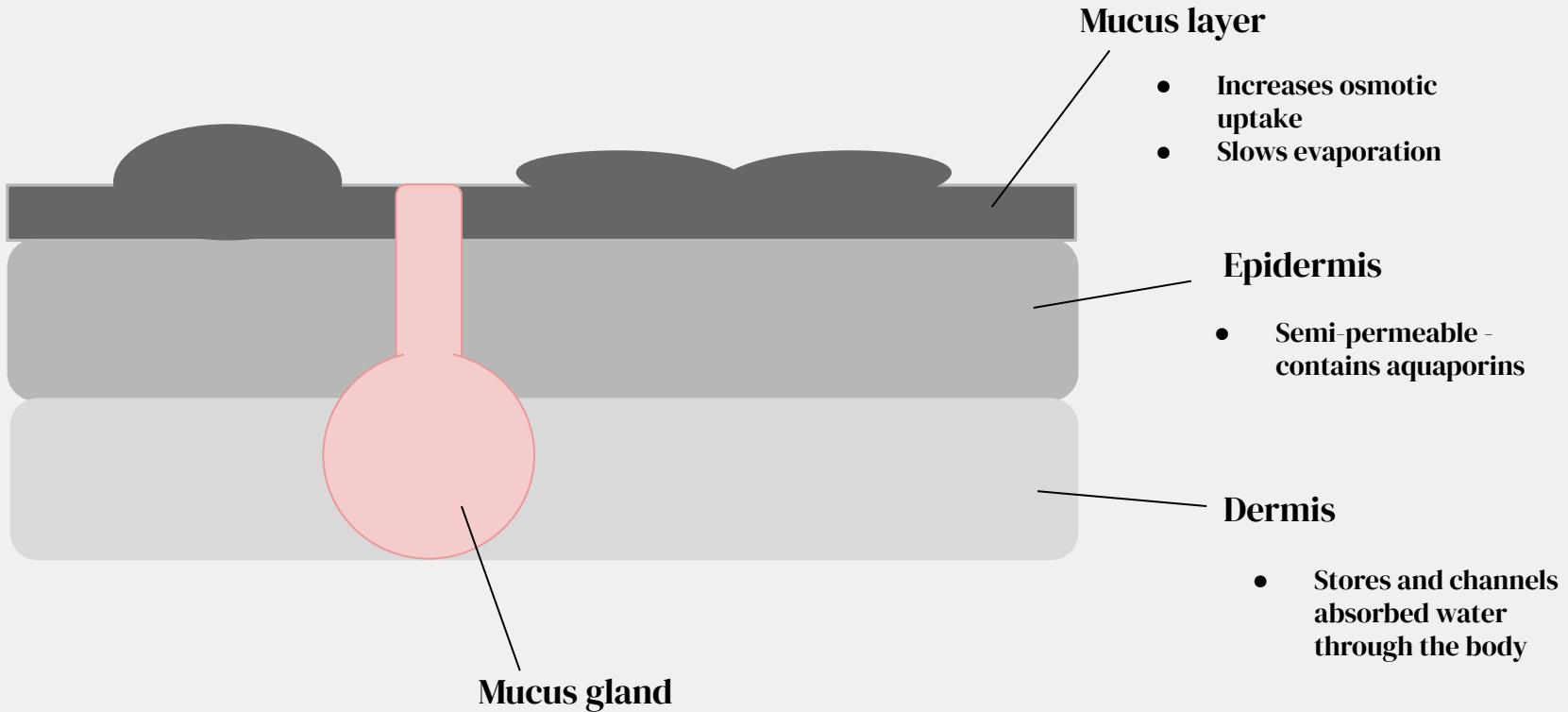
Biomimicry









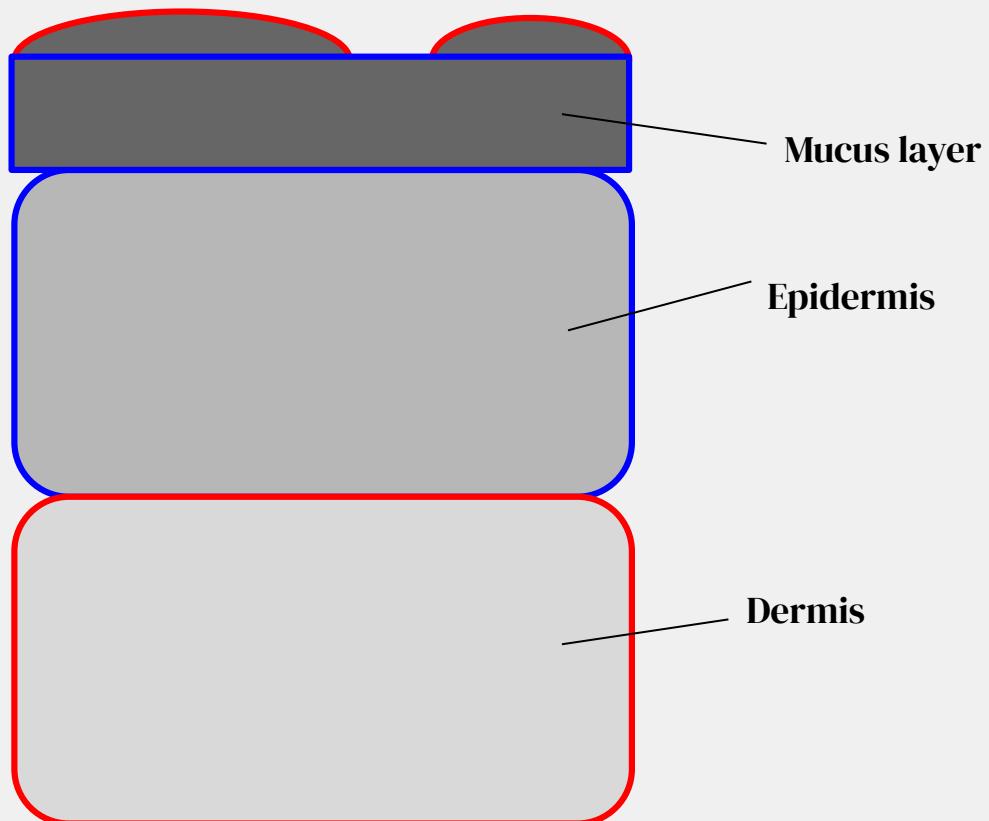




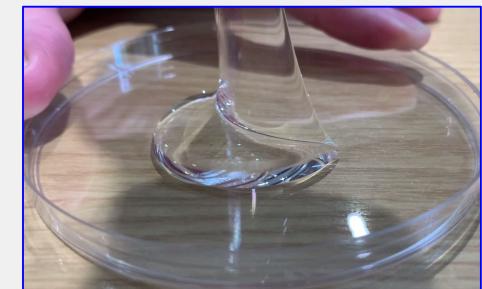
Hydrophobic



Hydrophilic



Teflon-coated aluminum mesh

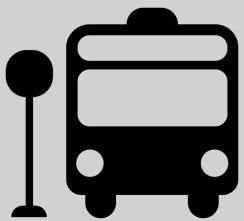


Silica hydrogel

Halo



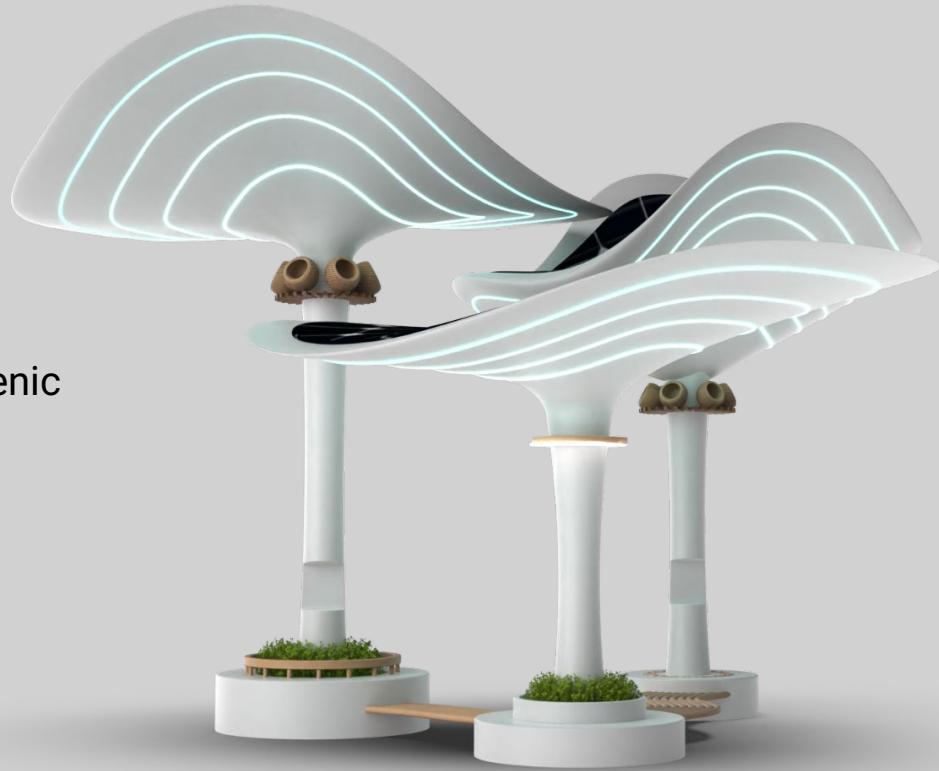
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Sustainable

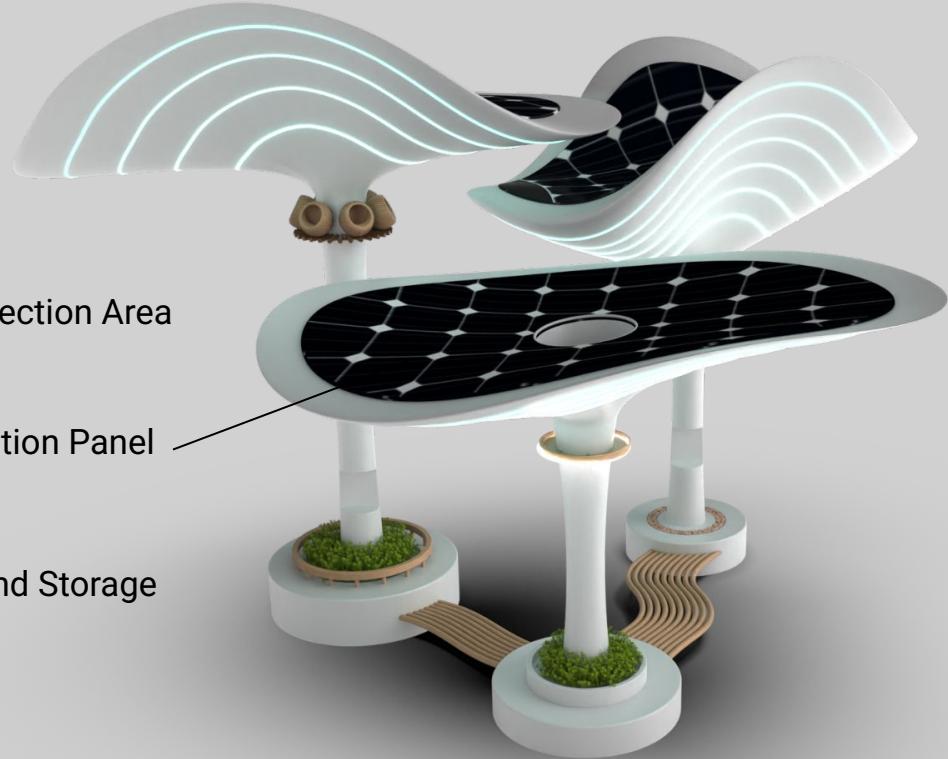
Accessible

Hygienic



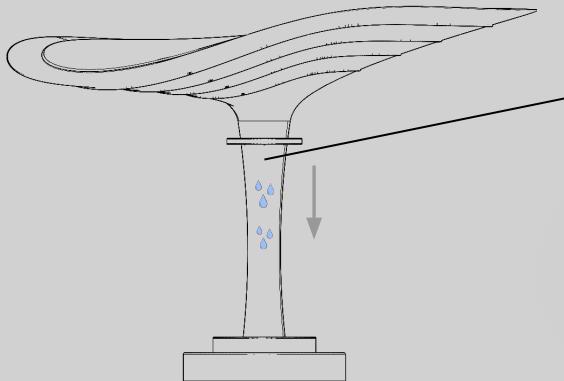


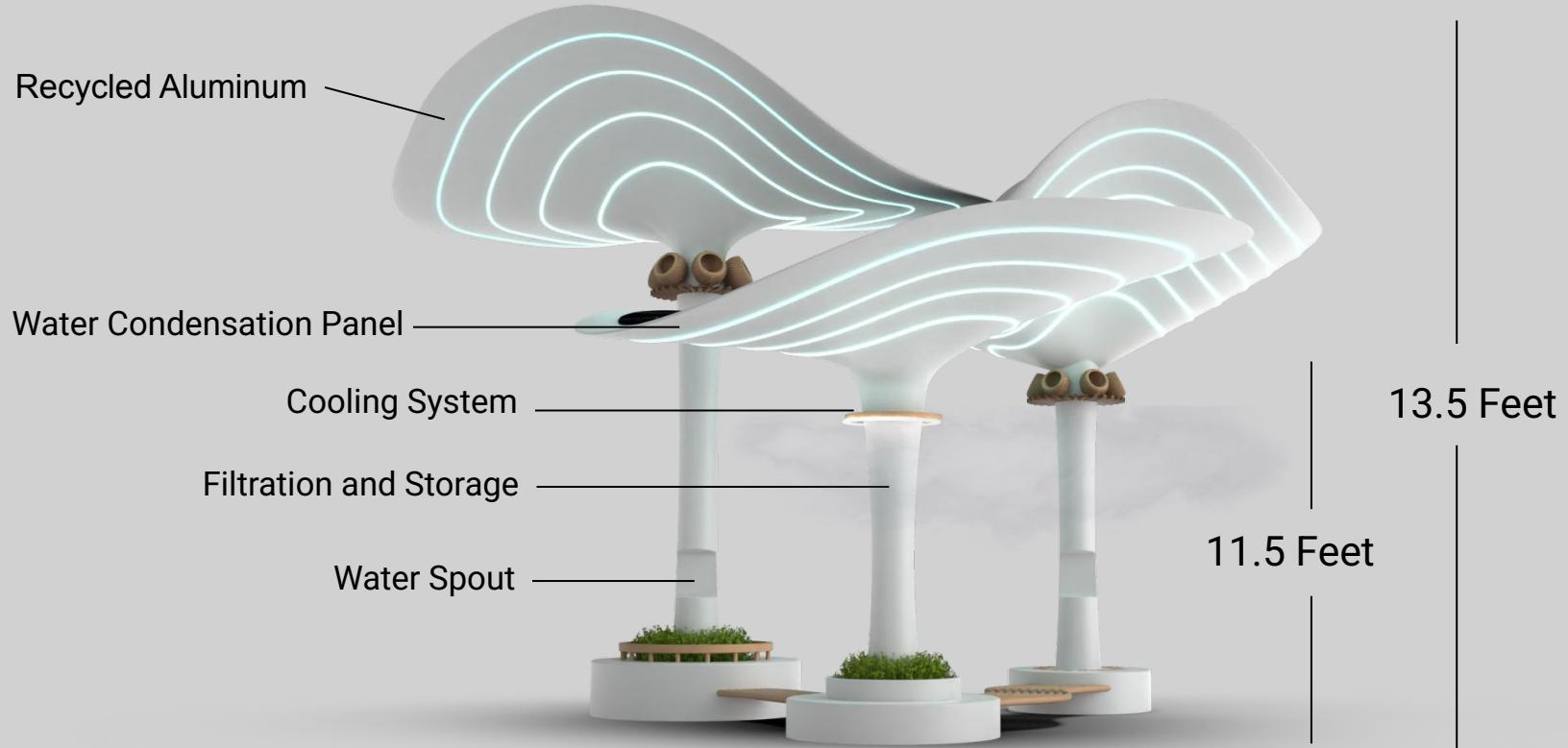
Rainfall Collection Area



Condensation Panel

Filtration and Storage





Capacity

1500L

Daily Water Generated

150L

People Served Daily

180



THANK YOU.

Mike Gong

Product Design Lead

Weston Guo

Research Lead

Eve Nepo

Nature Specialist

Steven Dang

Presentation Lead