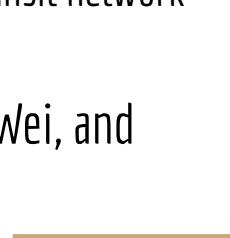


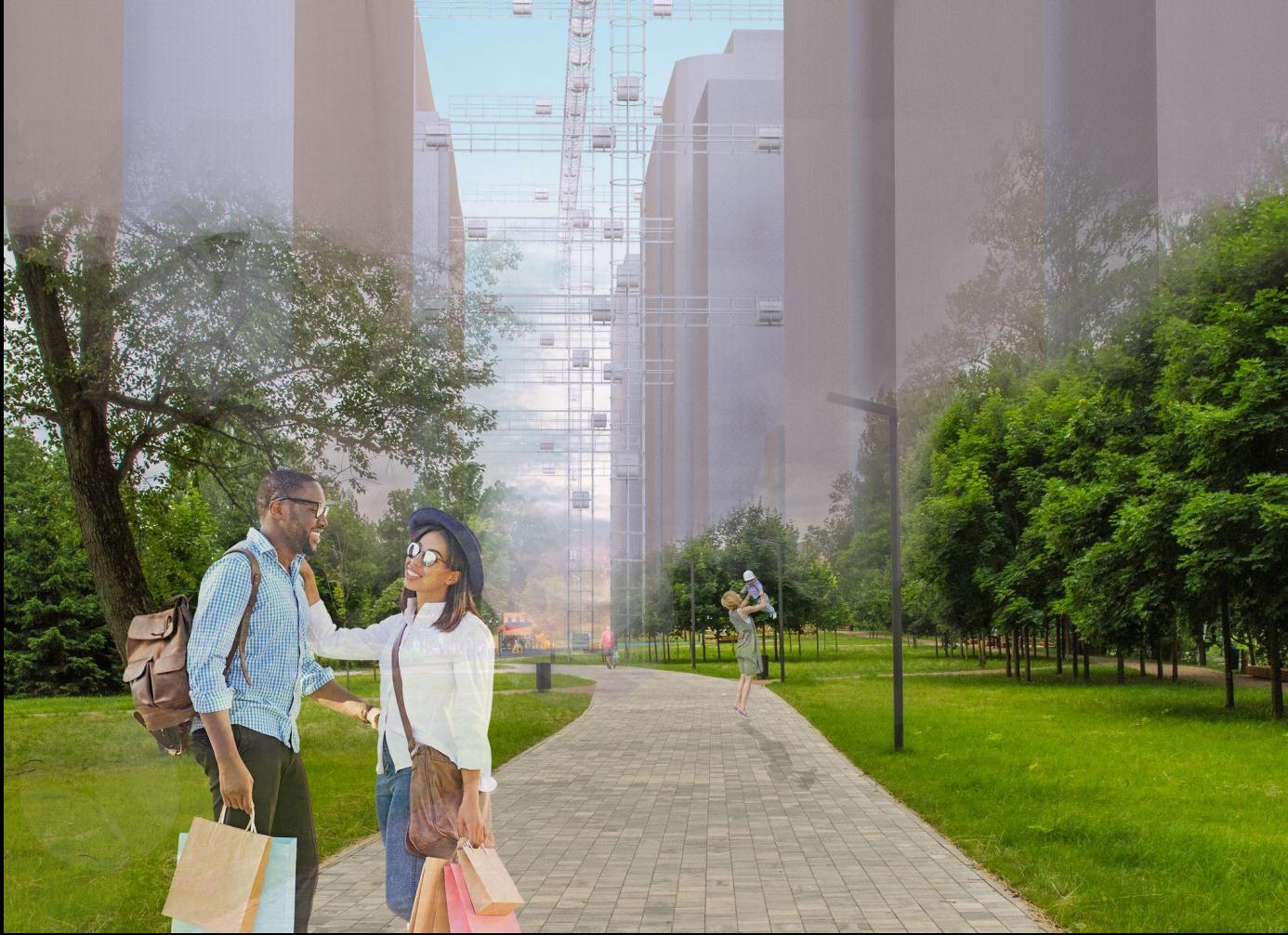


THE FUTURE OF PUBLIC TRANSIT

Passage on-Demand (P.O.D.), an
integrated infrastructural transit network



Nick Sideropoulos, Zijie Wei, and
Kahini Achrekar









Add a stop?

3:34

to Destination

Public Library

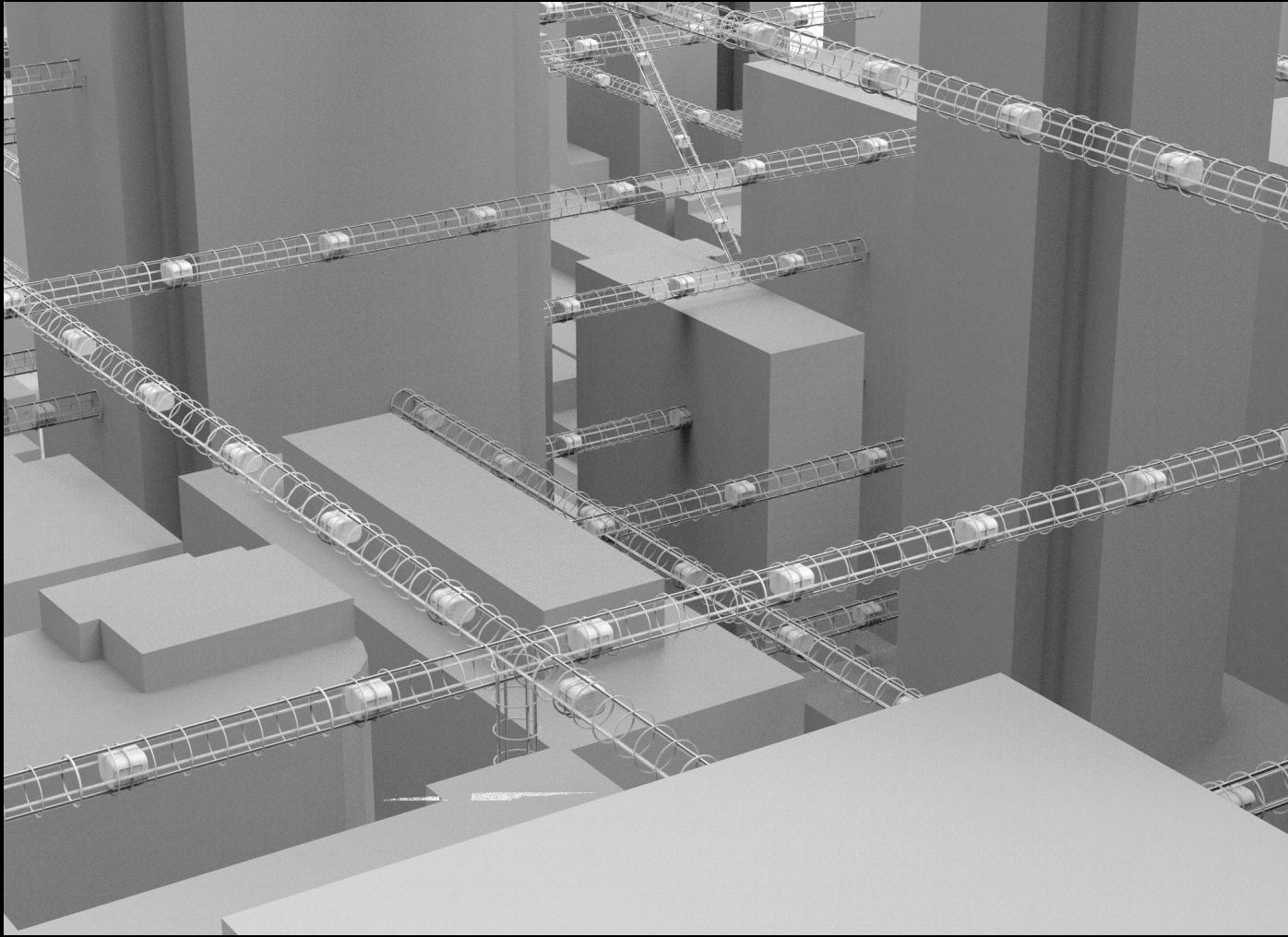
Jean's Coffee

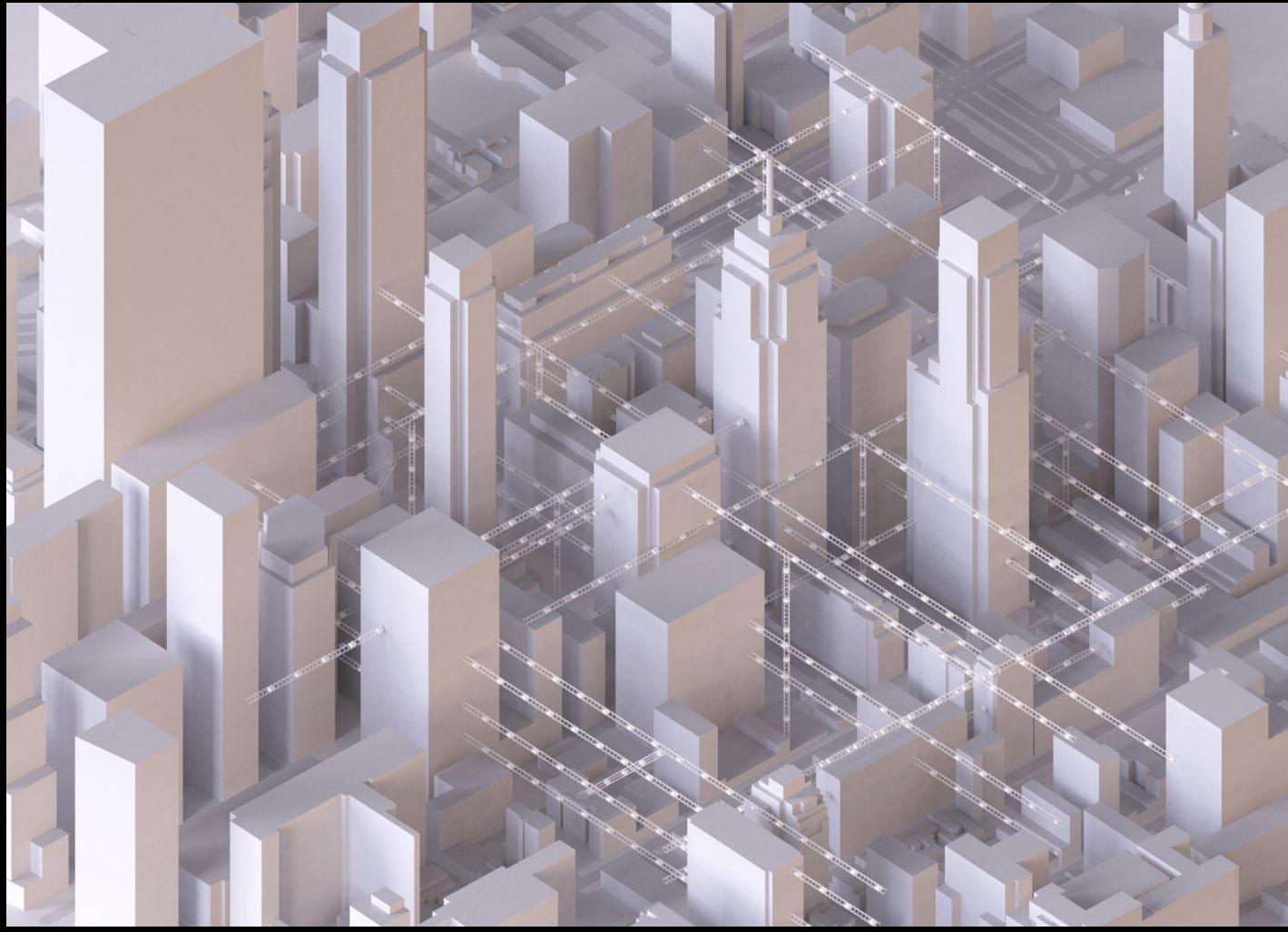
X

Modify your trip

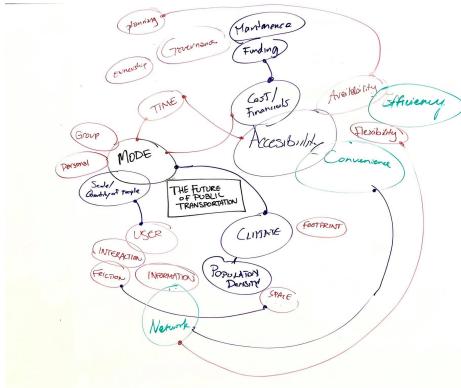
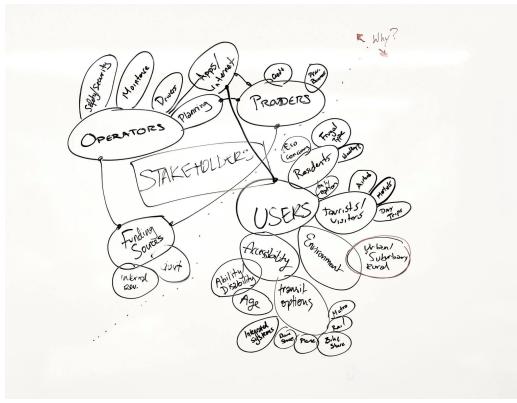
...

Search for a hub





Research



Interviews

- Public transit users across the globe
- Range of usage patterns
- Returned for feedback

Observations

- Observing riders and system on SEPTA

Motivations

- Sustainable travel
- Focus on people not cars
- Keeping public transit **public**
- Make public transit enjoyable

Key Findings



Reliability

- ❖ Is it dependably there?
 - ❖ **People hate delays**

Efficiency

- ❖ Fastest route
 - ❖ Least possible transfers

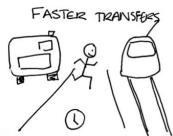
Convenience

- ❖ Routes and options nearby
 - ❖ Connection to destinations

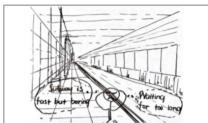
Pivot to the future



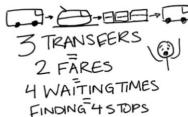
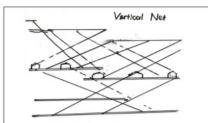
Limited transfer per route on SEPTA transit system, each mode does not reach as far into the city as people need



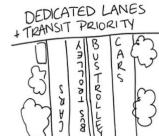
Timed & cross-platform transfers and interchanges within these hub style stations



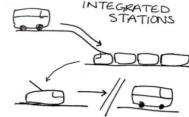
There is never a subway when you want one.



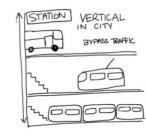
SEPTA's non integrated system results in delays, and additional costs per trip



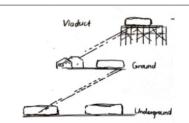
Dedicated lanes for each method of transit to allow more efficient travel



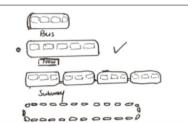
Proposed integrated station hubs that connect different modes



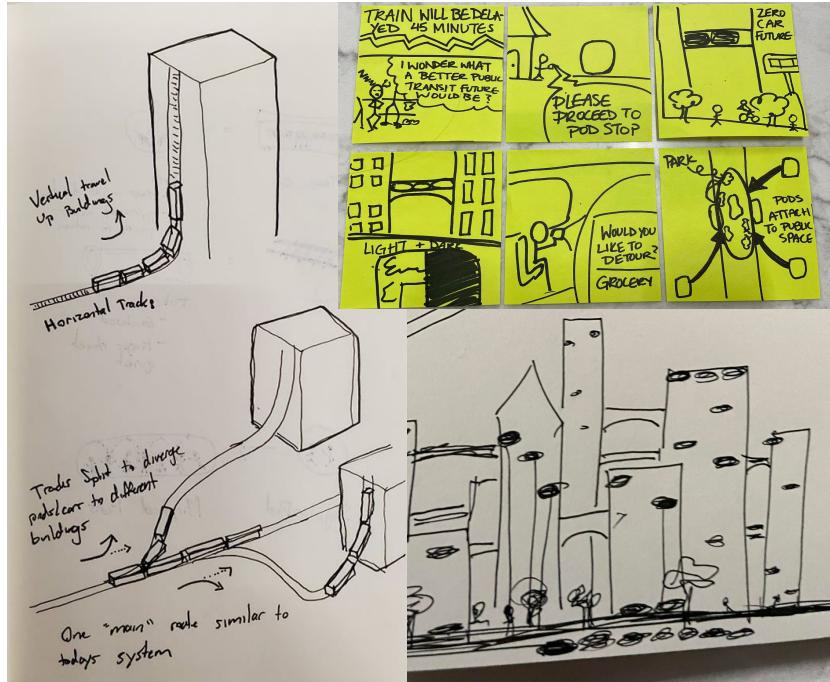
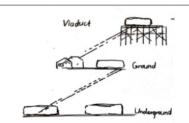
Implementing "Vertical City" style routes to layer transit and avoid traffic congestions from street



Make connection among underground, ground and viaduct.



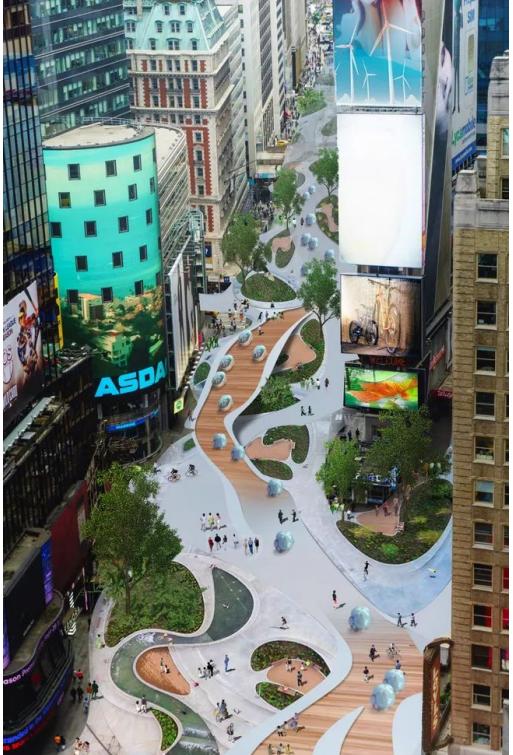
Make the length of the new vehicle be between Bus and Subway, so that the cycle frequency is higher



Ideas for the near future

Pushing into a new world

Inspirations + trends

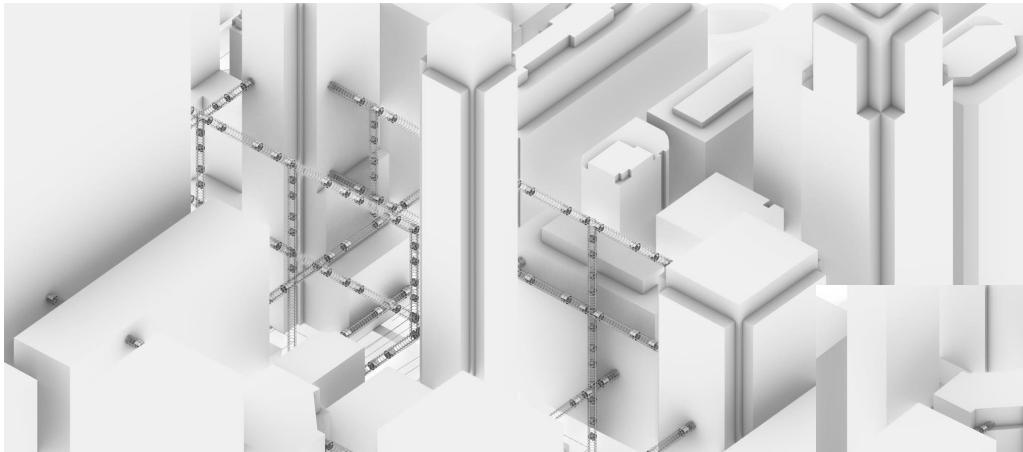


Car free cities + prioritized green spaces



Superdense + superconnected [Minority Report & Metropolis]

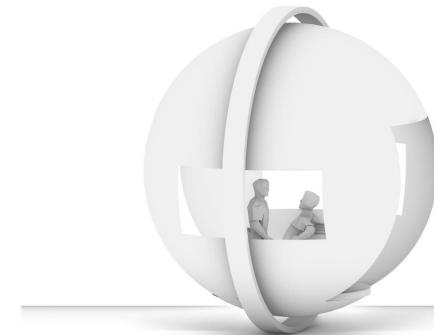
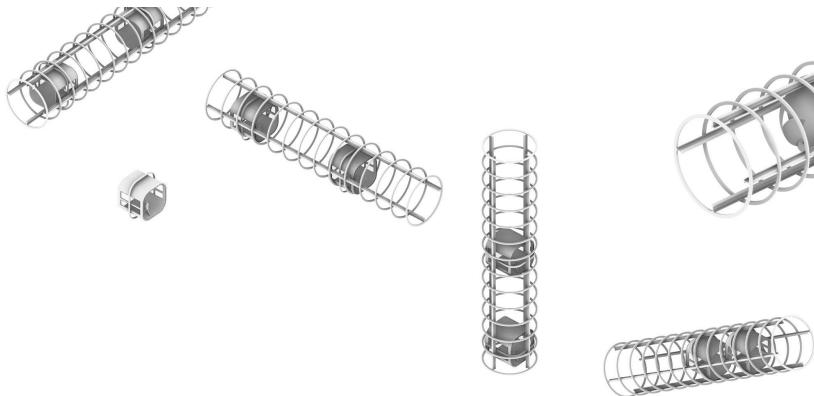
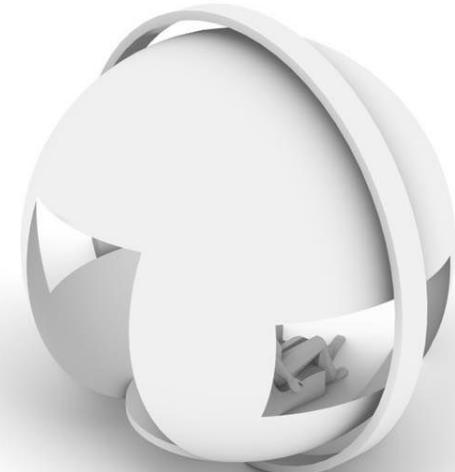
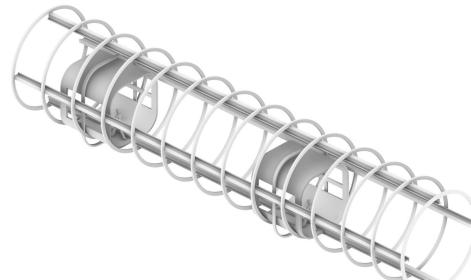
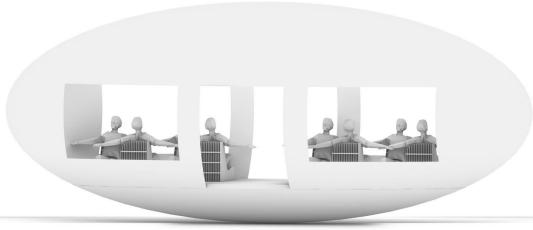
Developing the future



Initial mockups of the Pod system in a city



Prototype evolutions



"What if people are afraid of heights?"

"Love that you can connect to the city in a way you can choose"

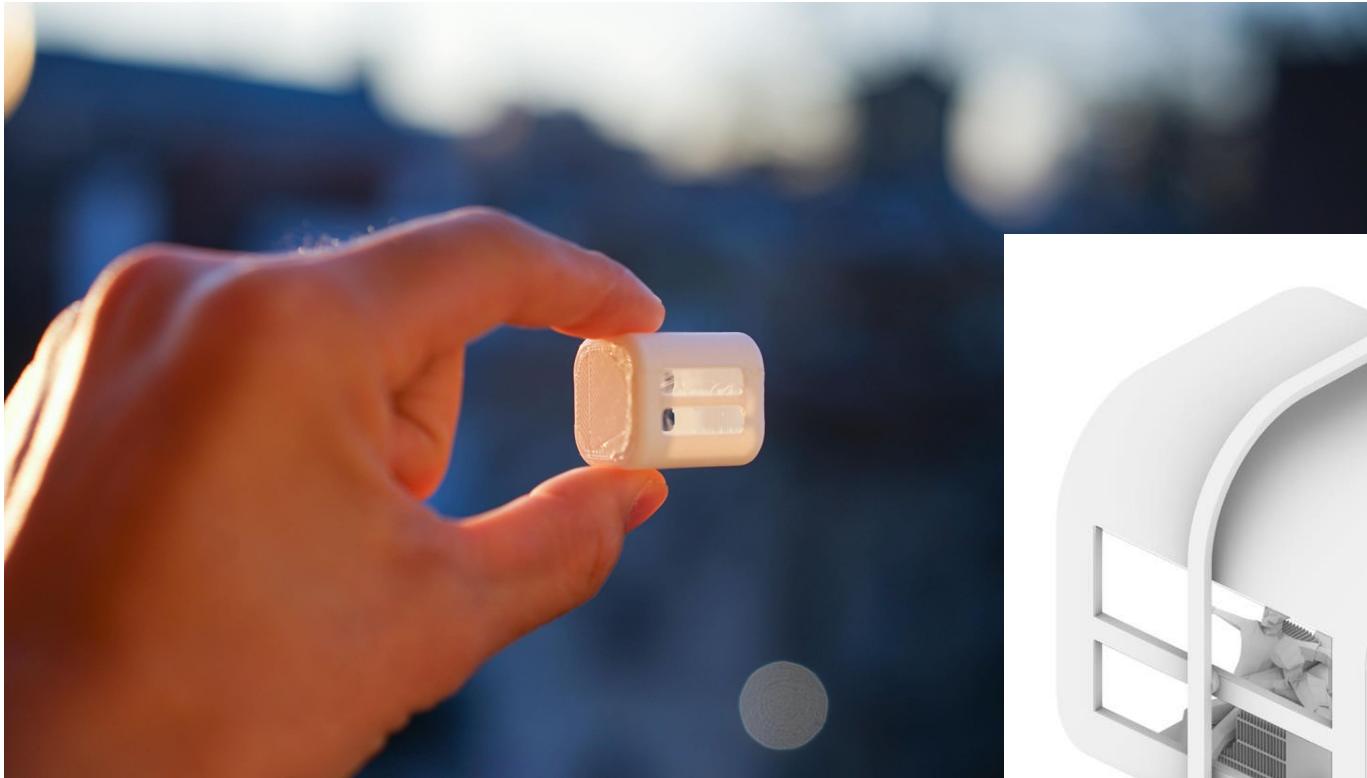
"Are the pods too private for public transit?"

"Scary but very exciting!"

"I like that I could move in multiple dimensions!"

"Could the novelty of seeing the city wear off?"

The next stage of feedback



Where we're headed

