WORKING IN REUSE  Tingsong Ou & Leiqi Huang

INTRODUCTION
According to the Municipal Waste Data, there are 12 million furniture generated in the year 2017, but less than 0.3% of which were recycled/reused. Meanwhile, during our four-months research into the current waste and reuse industry, we found the recycle/reuse rate of office furniture is even lower, less than 0.045%. Therefore, we aim at finding feasible and practical solutions to the office furniture dilemma in Boston, where we had done much research on.

We are proposing a business model that serves as a middleman between reuse centers and prospective clients. In the current reuse industry, the challenge of reusing office furniture comes from two aspects: storage and transportation. Hence, the first thing for us is to find the best strategy to collect and store furniture. We find most used office furniture comes from downtown Boston, so we choose vacant city spaces to temporarily store the furniture. We also developed a mobile architecture scheme to assist our reusing model.

We are building a connected platform of shared workspaces in underutilized city voids with reused office furniture. We're building a platform of shared workspaces in underutilized city voids with reused office furniture. The platform is a co-working space for those who want to work on their project after work.

BUSINESS MODEL
In this model, we will serve as a middleman between the tenant and reuse centers, collect the unwanted furniture from leaving tenants, store them temporarily in the vacant city spaces before they are sent to reuse centers.

The maximum turnover rate of our office furniture is one month; after that, we will deliver all unsold furniture to recycling centers. Reuse centers and on-site sales are two major channels for us in selling furniture.

INTERFACE
By the convenience of the internet, we can connect all our clients by creating an online platform. Here, people from start-ups, reuse centers, and current firms can share the most updated information concerning our sites, inventory of furniture, public events, seat occupancy rate, schedule, etc., thus increasing the efficiency of our project.

PROGRAMS:
- Individual working
- Shared working
- Temporary site
- City voids
- Multi-purpose: Workshops, Exhibitions, Gathering Space
- Middleman
- City Voids
- Service Radius of Reuse Centers
- Vacant Public Spaces
- Offices
- New Locations
- Searc for it!
- Events
- Location
- Search
- Maps
- Explore
- Map
- Contact us
- Login

WEATHER STRATEGY
The inflatable is a light-weighted solution for weather issues. It also creates a distinctive looking from outside, and provides privacy for activities inside.

LOGISTIC & INFRASTRUCTURE
We propose a “two-truck” plan to address the transportation and infrastructure needs: the logistic truck manages on collecting and delivering furniture, while the infrastructure truck is sitting on the site, providing power, restroom, and office supplies for the program.

TIME SCHEDULE
The program on two typical sites, the parking lot and deconstruction site, differs based on the nature of the occupancy of those two sites and thus have a different schedule.

The program at the deconstruction site is used as a storage site for all the extra furniture. The program at the parking lot site will be occupied by downtown employees during the daytime but will be empty during the night and weekends, so this site will serve as an off-time working space for those who want to work on their project after work.

ACCURACY: 99.5%