

## LIFE EXPRESS PROJECT

Community logistics service center

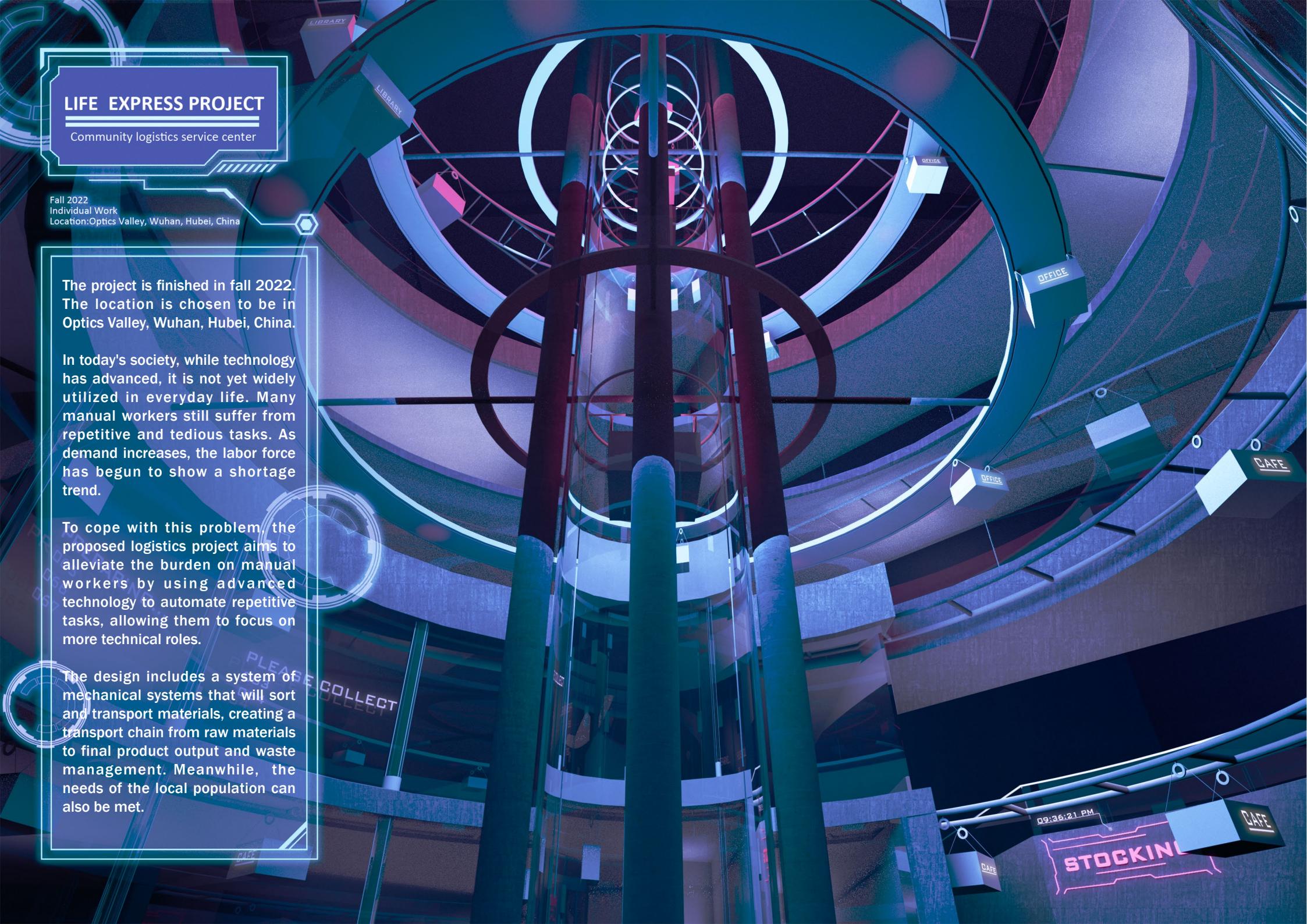
Fall 2022  
Individual Work  
Location: Optics Valley, Wuhan, Hubei, China

The project is finished in fall 2022.  
The location is chosen to be in  
Optics Valley, Wuhan, Hubei, China.

In today's society, while technology has advanced, it is not yet widely utilized in everyday life. Many manual workers still suffer from repetitive and tedious tasks. As demand increases, the labor force has begun to show a shortage trend.

To cope with this problem, the proposed logistics project aims to alleviate the burden on manual workers by using advanced technology to automate repetitive tasks, allowing them to focus on more technical roles.

The design includes a system of mechanical systems that will sort and transport materials, creating a transport chain from raw materials to final product output and waste management. Meanwhile, the needs of the local population can also be met.



# Contemporary Workers: Trapped in the System



Behind a series of data released by the traffic police is the discussion of "delivery workers have become a high-risk occupation".

Why is an industry that creates great in one area also a social problem mainly? To find the answer to this question, search team conducted an investigation nearly six months, and the answer finally emerged through exchanges with different parts of the whole industry.

## How should Machines steps in Human Life?



In 2016, the maximum time limit for 3 km delivery

distance was 1 hour, while according to relevant

data,

in 2019, the average delivery time for a single

order was 10 minutes less than three years ago.

The reduction of time in system is a reflection

of the AI intelligence algorithm's deep learning

capabilities. However, it can be crazy and deadly for

the delivery men who implement it.

Riders can never individually fight against the time

allocation by the system but only challenge the

traffic rules to redeem the timeout. And the direct

consequence is: a sharp rise in the number of traffic

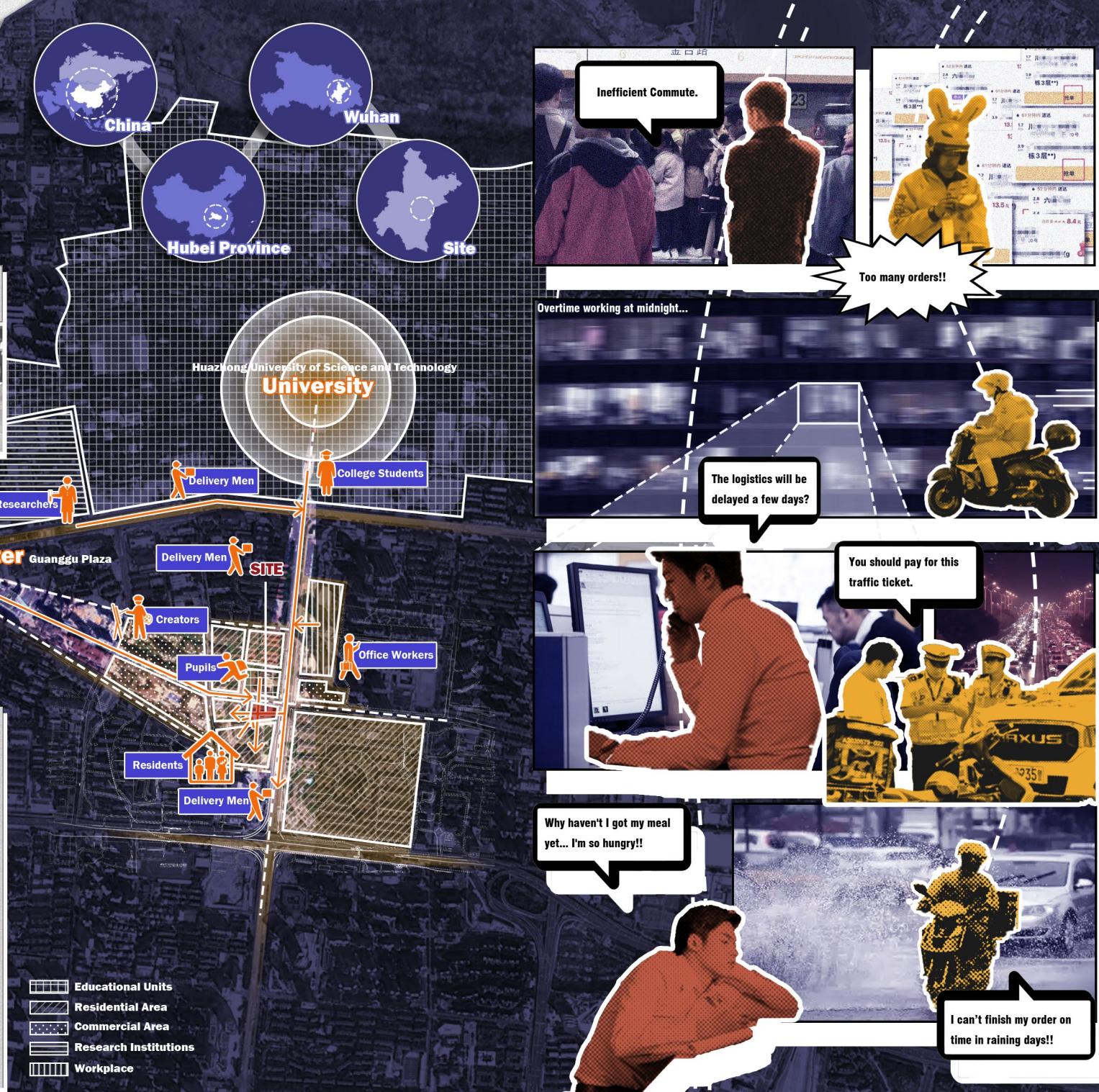
accidents suffered by delivery riders.

## Repetitive work is numbing the spirit of young people

The change of the age is quietly taking away a lot of repetitive and inefficient work.

Overtime caused by inefficiency suffers young people a lot. While, the young care more about spiritual values. For overtime, what young people care most about is not the physical fatigue, but whether the time they spent is meaningful.

"For example, to do a project, it's useless to simply work as long as possible. If 996 (a work schedule where employees are expected to work from 9 a.m. to 9 p.m., six days a week, associated with a culture of overwork in certain industries, particularly in China) is only used to do such repetitive labor as organizing information, sitting in the office to slack off, work overtime only for waiting for the team leader to go first. It is completely meaningless. I want to do the work that reflects my value."



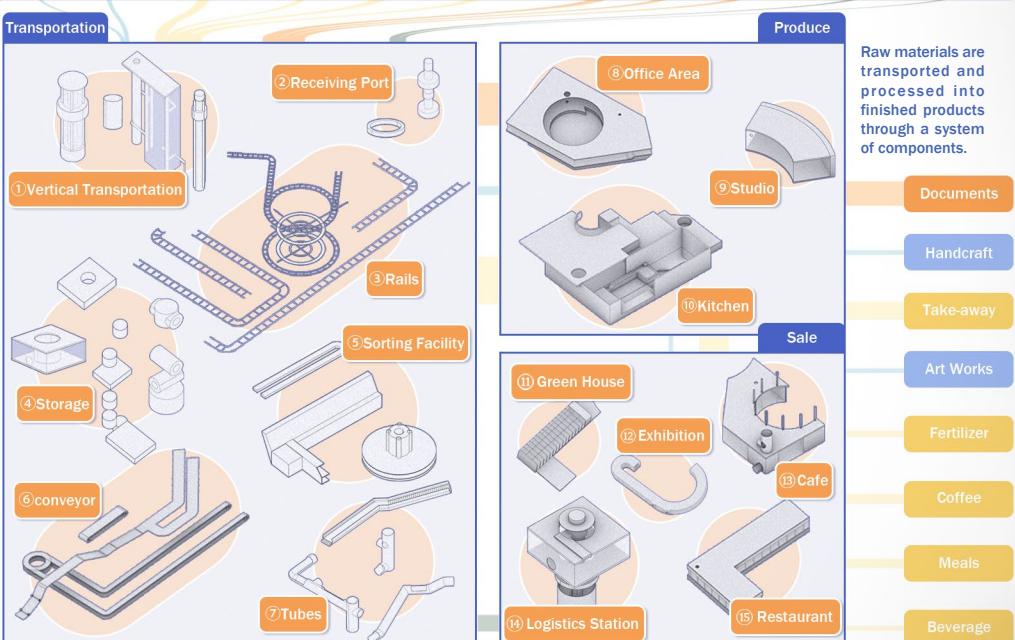
### Target Population



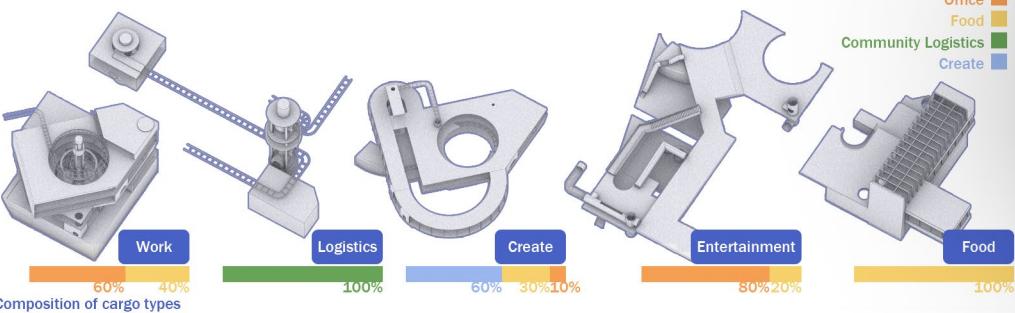
### Demands



### Process

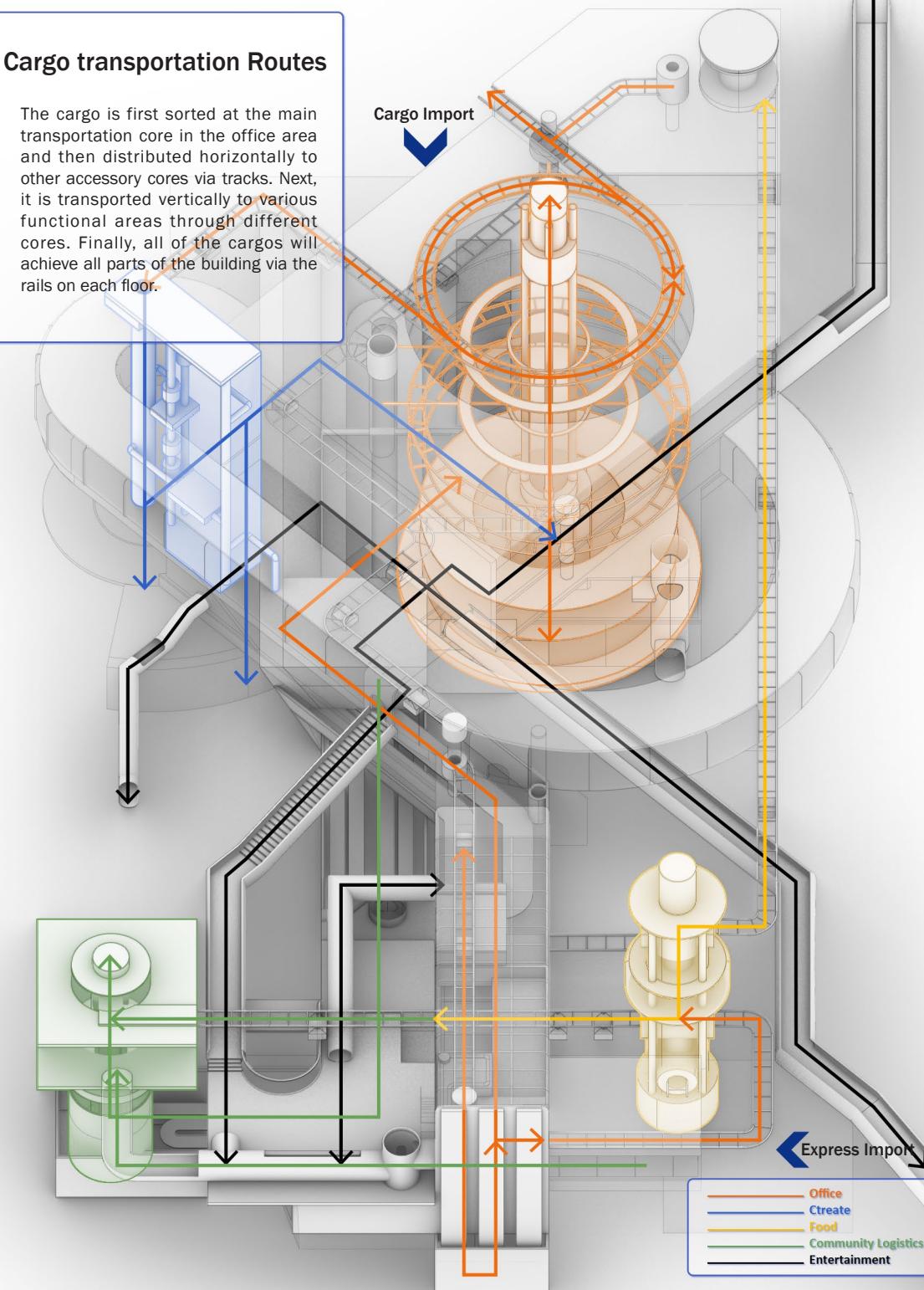


### Complex



## Cargo transportation Routes

The cargo is first sorted at the main transportation core in the office area and then distributed horizontally to other accessory cores via tracks. Next, it is transported vertically to various functional areas through different cores. Finally, all of the cargos will achieve all parts of the building via the rails on each floor.

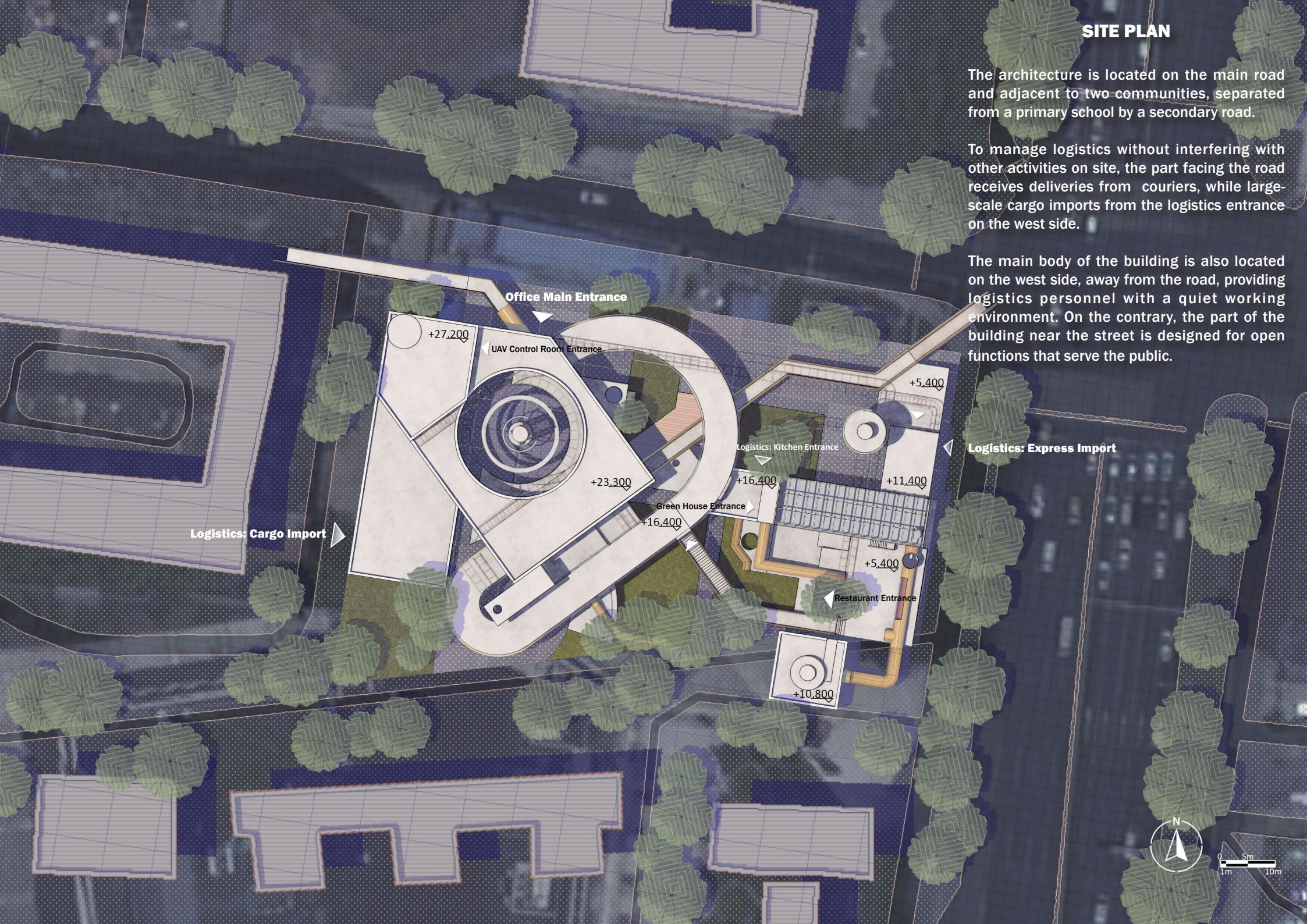


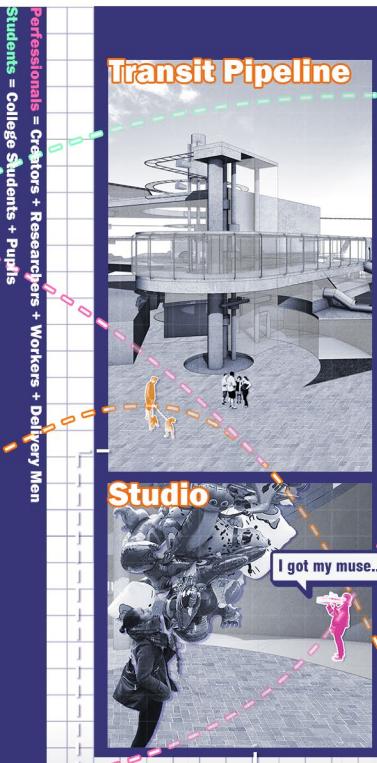
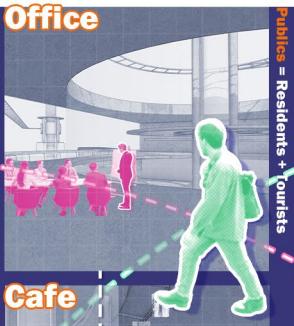
## SITE PLAN

The architecture is located on the main road and adjacent to two communities, separated from a primary school by a secondary road.

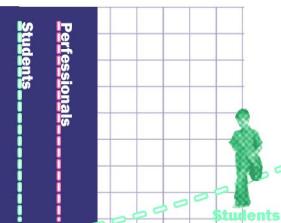
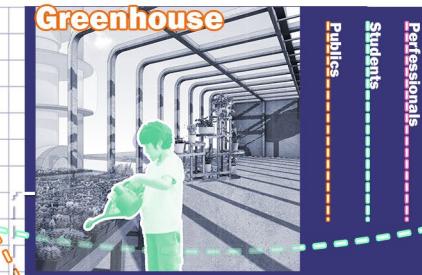
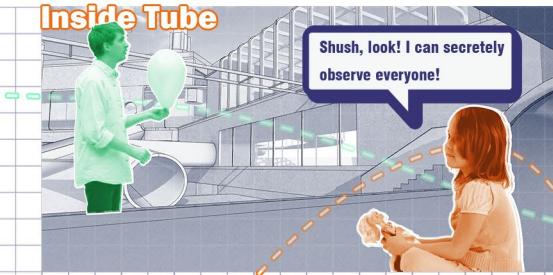
To manage logistics without interfering with other activities on site, the part facing the road receives deliveries from couriers, while large-scale cargo imports from the logistics entrance on the west side.

The main body of the building is also located on the west side, away from the road, providing logistics personnel with a quiet working environment. On the contrary, the part of the building near the street is designed for open functions that serve the public.





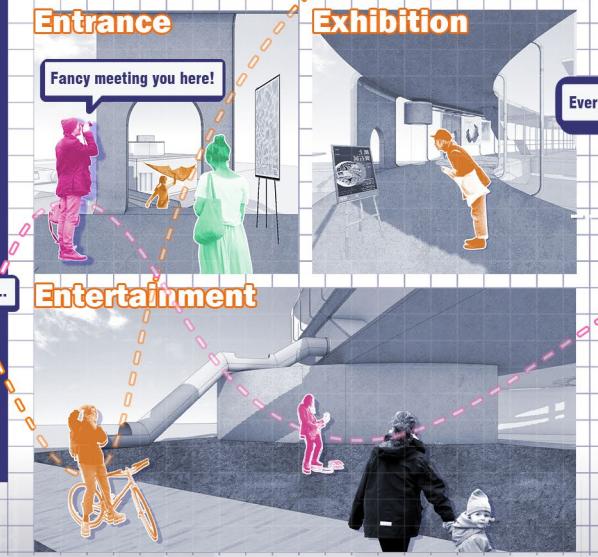
Library



Logistics Core



Entrance

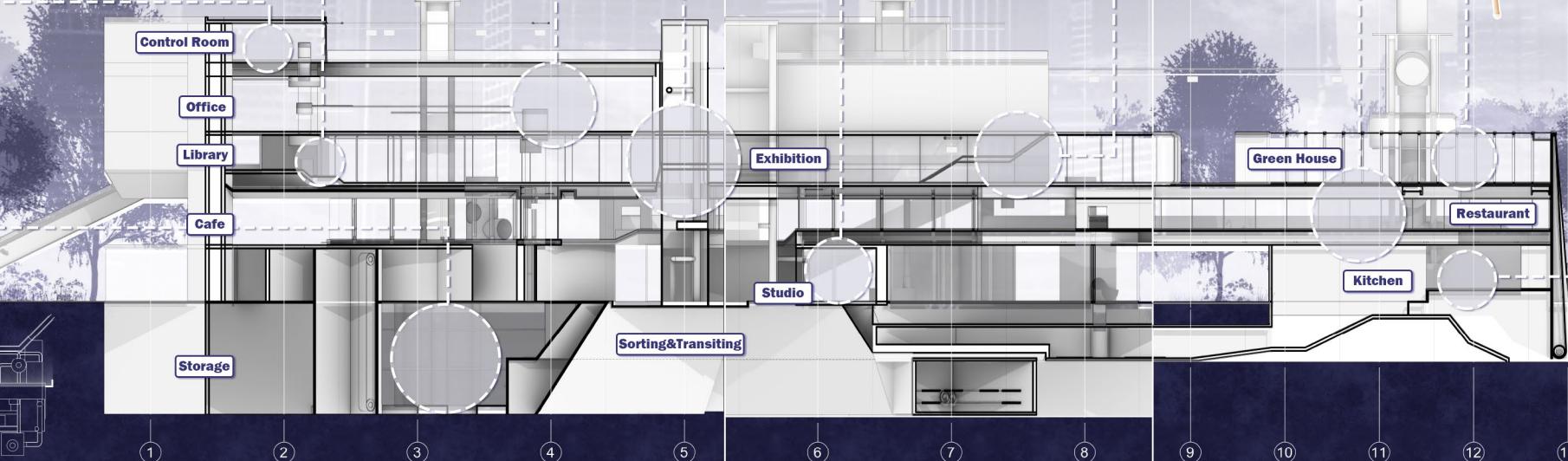


Studio

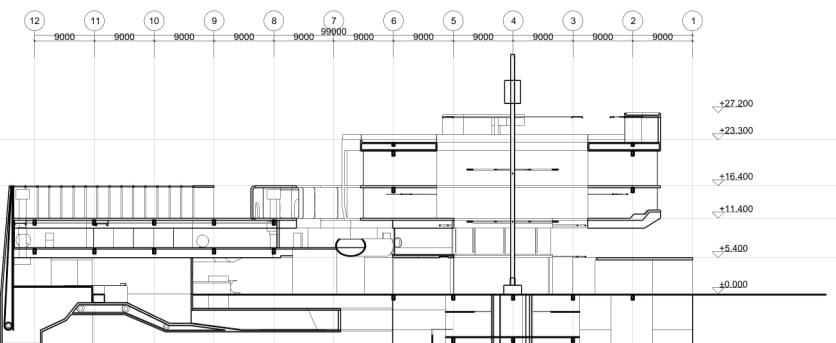


Functional space groups grow around different sorts of logistics cores. The behavior of most kinds of people cover most of them, constituting the circulations of each of them.

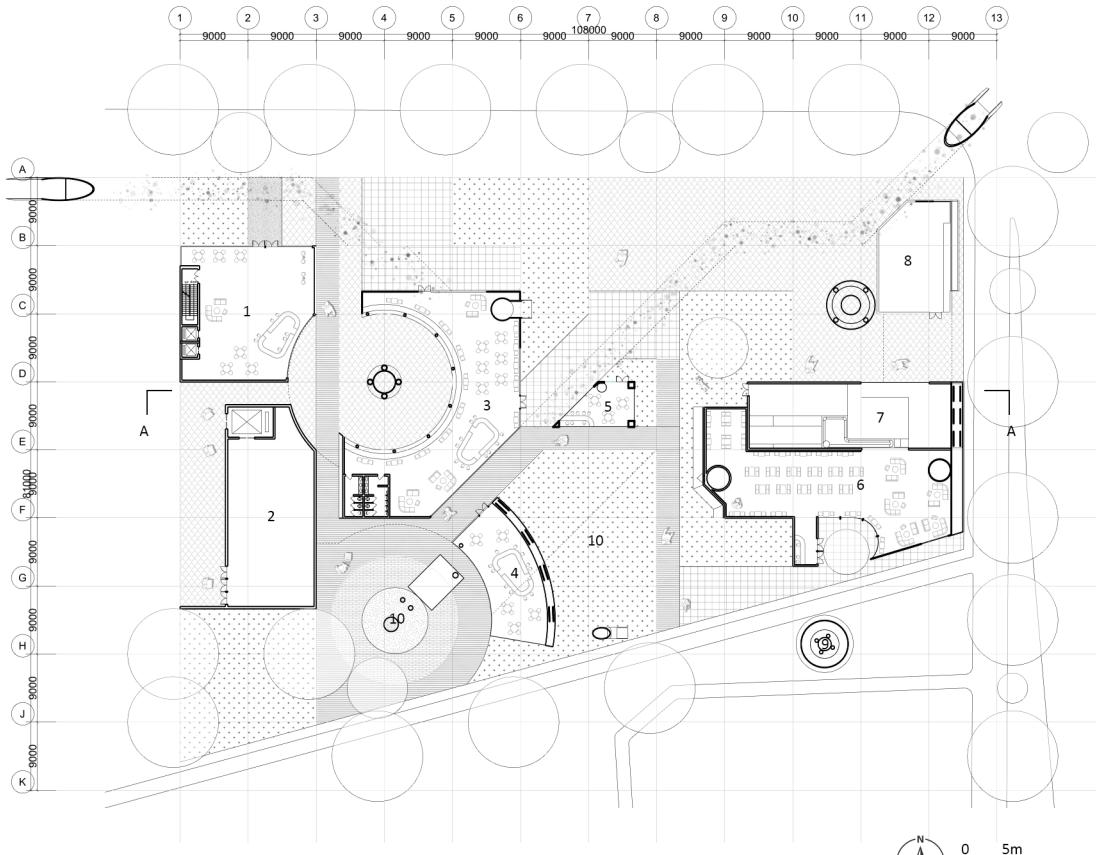
Space Script



Section Position



A-A Section

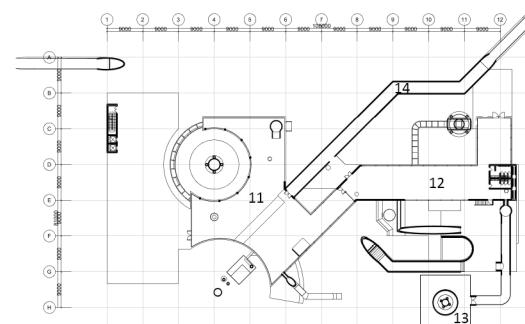


Ground Floor Plan

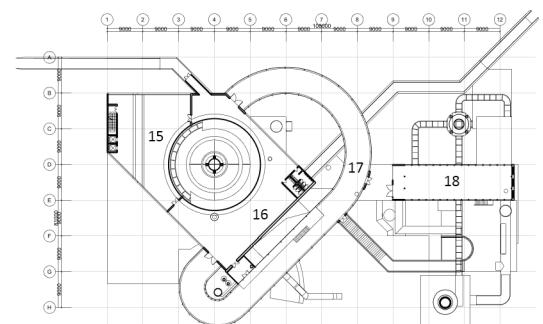
#### About Plan&Function

The architecture takes the logistics core in office area as the main logistics processing component, and divide into other cores with different functions, the plan is spread around the different cores to meet the related functional demands. Meanwhile, the cores are connected to each other smoothly by horizontal plane tracks and vertical tubes, and create some new functional areas.

1 Hall	2 Loading Area	11 Office	12 Restaurant
3 Cafe	4 Studio	13 Community Service Storage	
5 Bar	6 Restaurant	14 Tube Path	15 Reading Area
7 Kitchen	8 Receiving point	16 Library	17 Exhibition
9 Community Service Point		18 Greenhouse	
10 Outdoor Entertainment Area			



Second Floor Plan



Third Floor Plan