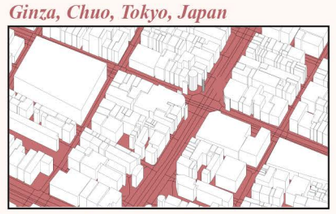
[SAVE CITY]

SAVE CITY

Speculative proposal for Open frame Shared Street;Ginza,Tokyo

Location:

Ginza, Chuo, Tokyo, Japan



Ginza is a district of Chuo,Tokyo,It is considered one of the most expensive, elegant, and luxurious streets in the world.Each Saturday and Sunday, from 12:00 noon until 5:00 pm, the main street through Ginza is closed off to road traffic, allowing people to walk freely. This is called Hokōsha Tengoku or Hokoten for short, literally meaning "Pedestrian Heaven".

Elements

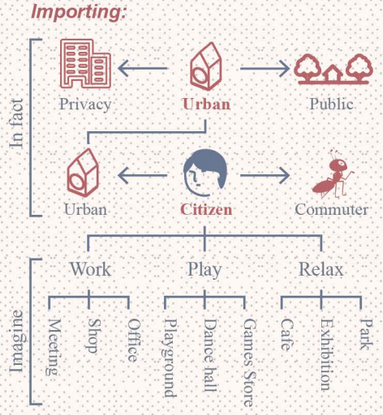
The balloon device
-Suspension Structure

The power device
-Coaxial Dual Rotor
-Engine

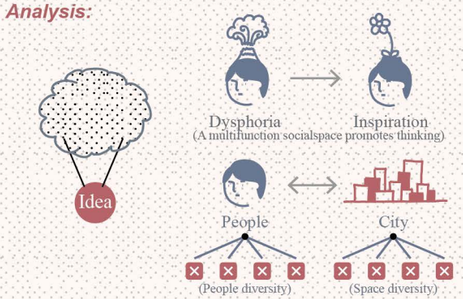
The mechanical device
-Dynamic Feedback
-Accumulator

The Construction device
-Hydraulic Arm
-Alloy Frame

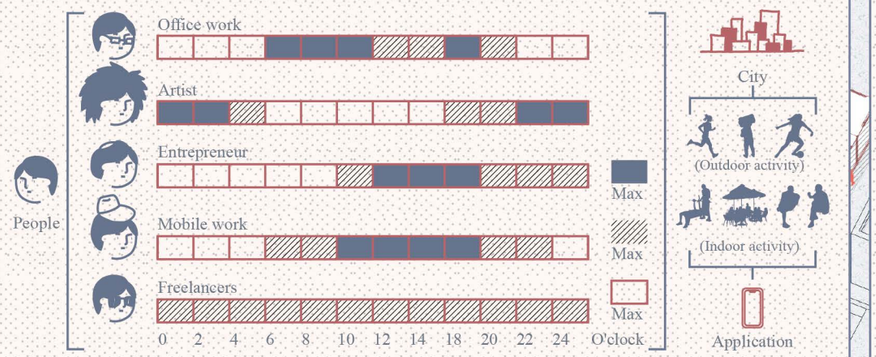
Importing:



Analysis:

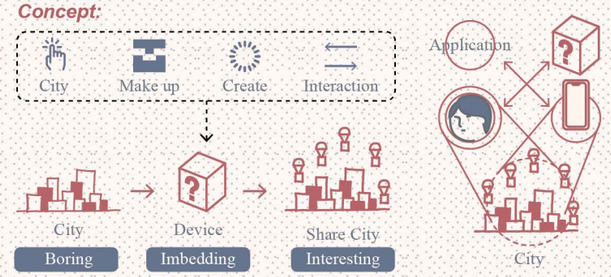


In the globalization, the urban space promoted by urban renewal evolves in production, and the right capital reduces the affinity of urban renewal, which leads to the absence of social justice proposition.For citizens, the polarization of urban space, the differentiation of living space and the spread of urban space lead to the simplification and marginalization of living scenes.Under such circumstances, human creativity and urban diversity are also affected.



We take the citizens as the pointcut, dividing citizens into six categories by the nature of their work, and using heat data to calculate their time in ginza activities.Divide their activities into indoor and outdoor categories.Used as an entry point for design.Finally, the data can be used to connect entire blocks of design using application.

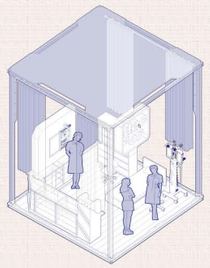
Concept:



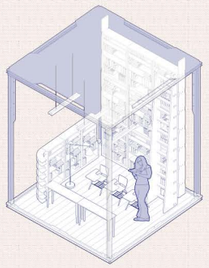
Cities are meant to be diverse, not capitalized by modernization - skyscrapers.We use the concept of "Urban Acupuncture" to create public Spaces with different functional requirements by performing dot operations on the urban system network.A catalytic small-scale intervention urban strategy, through the renovation of organisms on a dot, induces the acceleration of organism metabolism, promotes the self-regulation and self-production of space, and brings the city to a new balance.Through the connection of mobile applications, we can grasp the space situation in time.Make the street smarter.

Typology:

From the above research, we enumerate 16 different functional forms of space and 3 different use scales. These Spaces and use scales are not fixed, and they can form new Spaces through different combinations and piles.

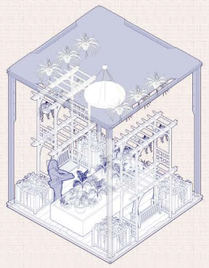


Name: Medical Station
Functional type: Relaxation
Size:

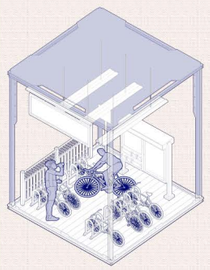


Name: Library
Functional type: Recreation
Size:

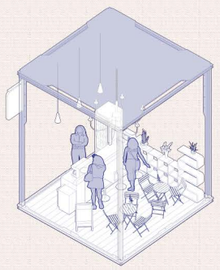
Name: Rest Room
Functional type: Relaxation
Size:



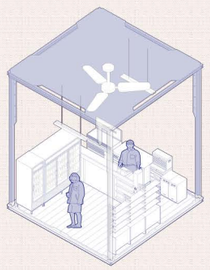
Name: Mini Garden
Functional type: Recreation
Size:



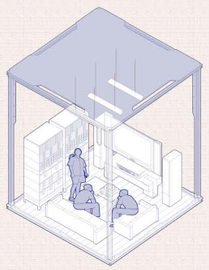
Name: Bicycle Sharing
Functional type: Communication
Size:



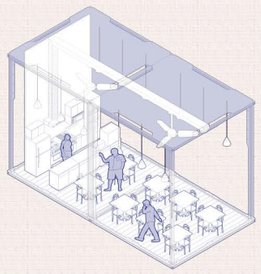
Name: Coffee Shop
Functional type: Recreation
Size:



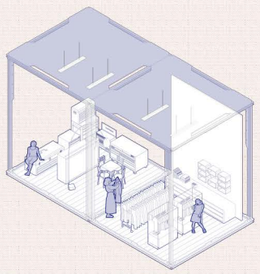
Name: Convenience Store
Functional type: Communication
Size:



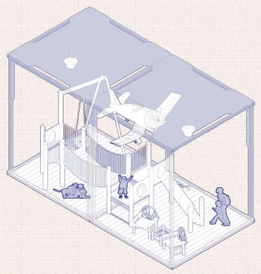
Name: Playroom
Functional type: Recreation
Size:



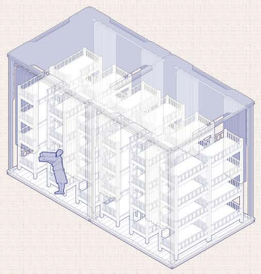
Name: Snack Bar
Functional type: Communication
Size:



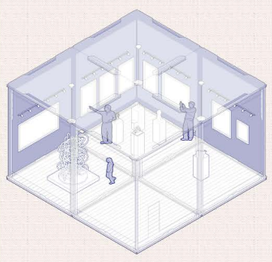
Name: POP-UP Store
Functional type: Communication
Size:



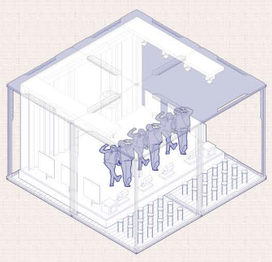
Name: Kursaal Station
Functional type: Recreation
Size:



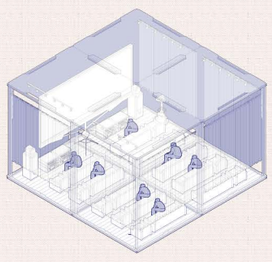
Name: Capsule Hotel
Functional type: Relaxation
Size:



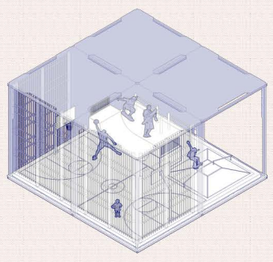
Name: Exhibition Hall
Functional type: Communication
Size:



Name: Moving Stage
Functional type: Recreation
Size:



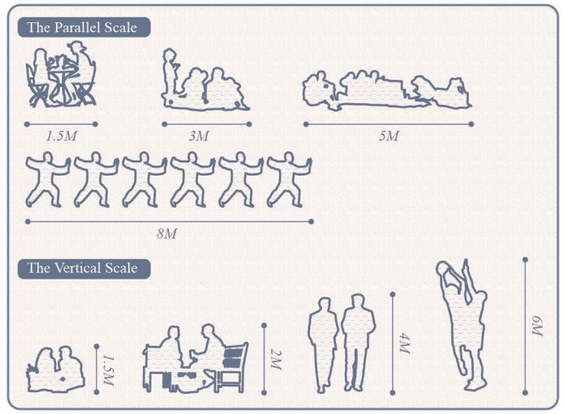
Name: Projection Room
Functional type: Recreation
Size:



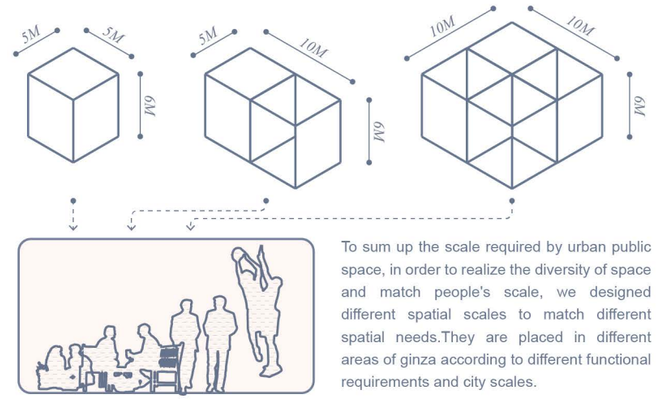
Name: Sport Hall
Functional type: Recreation
Size:

Small Medium Large

Action Dimension:

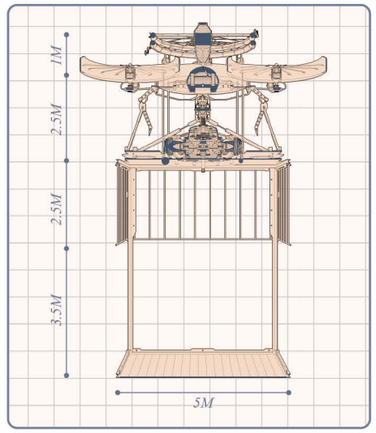


Scale Structure:

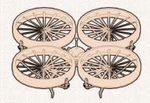


To sum up the scale required by urban public space, in order to realize the diversity of space and match people's scale, we designed different spatial scales to match different spatial needs.They are placed in different areas of ginza according to different functional requirements and city scales.

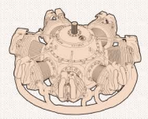
Device Analysis:



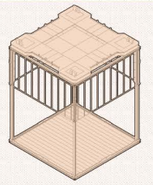
Helium balloon



Coaxial Dual Rotor



Accumulator



The Construction

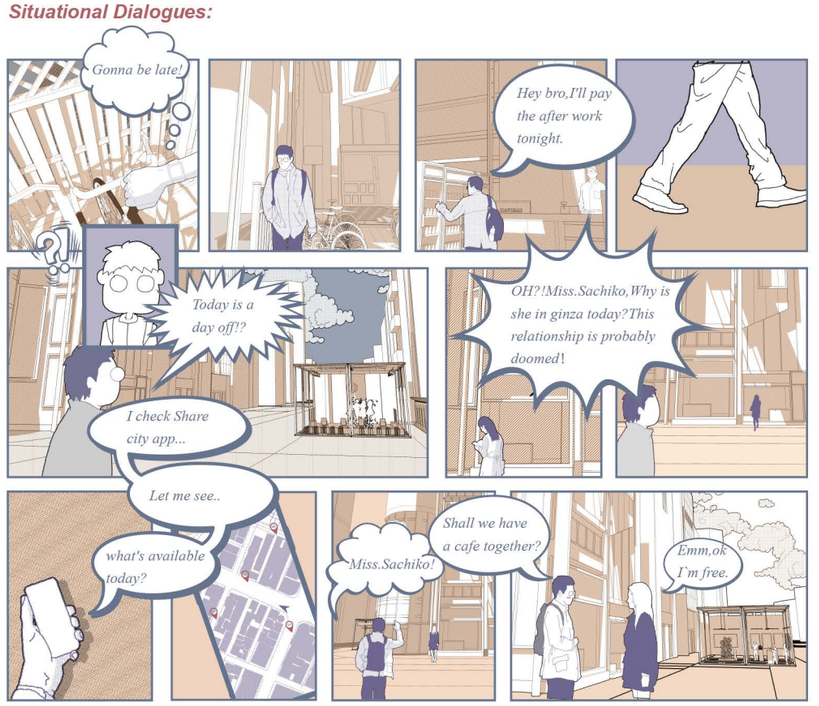
The Vertical Scale

Horizontal thrust can be obtained by tilting the blade Angle by rotating the elevating device.The main body of the device is made up of light alloy profiles, perforated aluminum plates and PVC waterproof film.When the propeller is lifting, feedback adjustment is made according to the wind speed to keep the process vertical and vector thrust.

Feasibility

Helium Welfare:1.1Kg/M³ x 1000M³≈ 1.1ton
Climbing Power: Engine60KW Lift max≈600Kg
Device Weight:M=300Kg+700Kg+50Kg+150Kg ≈1.2ton
Live load max:500Kg

Situational Dialogues:



Application:

In the application, you can search nearby devices and functions to get to your destination quickly and turn it into a truly intelligent street.

Log in UI

Searching UI

Nearby UI

Map UI

Information UI