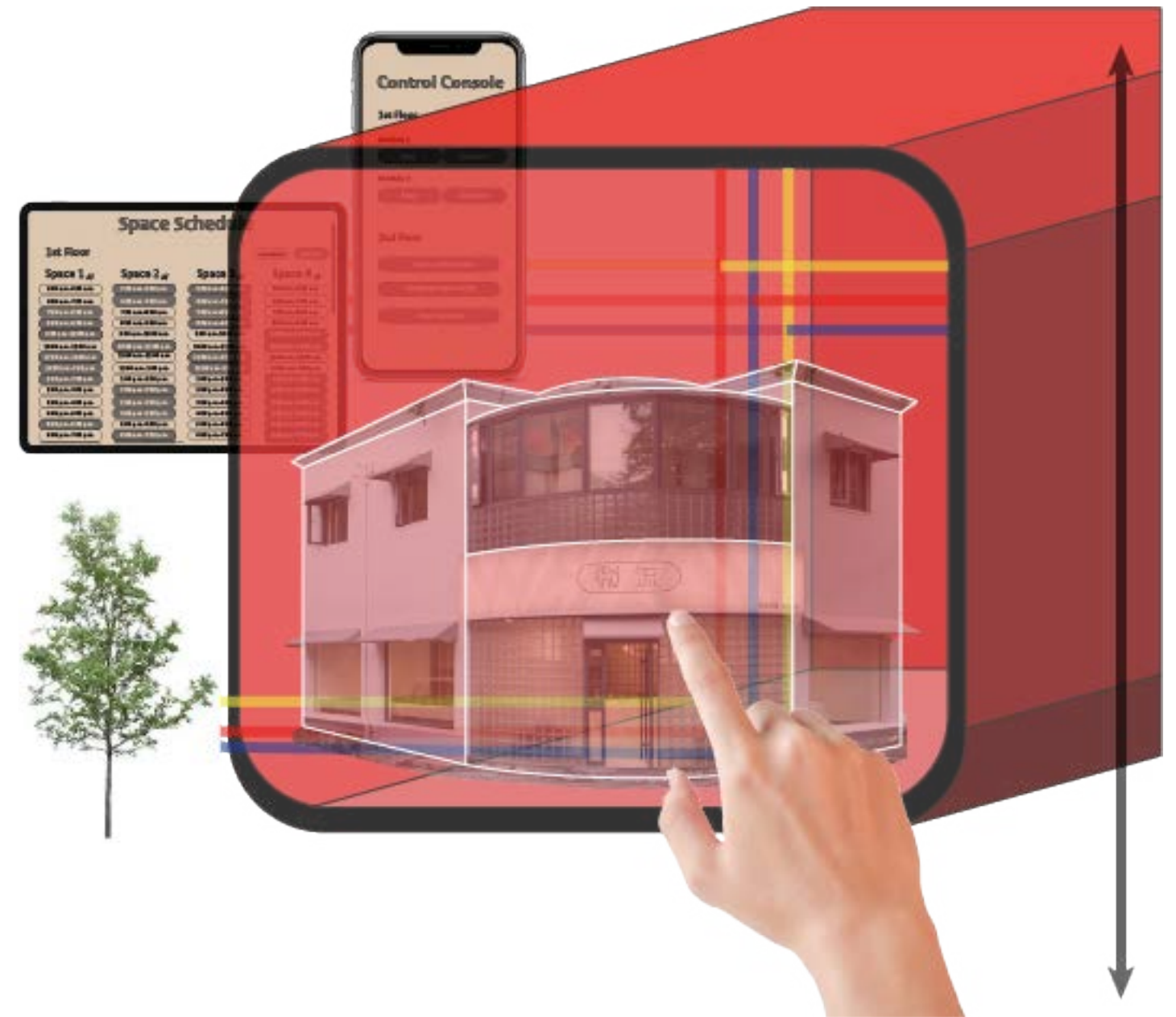


Design Concept

Concept diagrams

The limitation of space has become one of the main problems in Chinese old urban areas. **To solve the problem of small space with large demand, the usable space can be increased by adding moving modules.** As a business hotel, comfort and workability are equally important. By introducing outdoor materials, stillness and sunlight can connect inside and outside, opening up the entire indoor space. Soft bamboo curtains and cushions enhance the comfort and privacy of the space. At the same time, the border cushions and low tables are very light and can also meet the variability of space. Thanks to the development of technology, the space is visualized through wireless network and infrared sensors and other technological equipment, **the indoor usage will be displayed on the user's mobile device.** Users can clearly inquire about the use of the room, and conveniently manipulate the space to meet their own needs.

This business hotel not only connects indoor and outdoor, but also integrates technology into life, showing the diversity of space.



Morning Section



Afternoon Section



Evening Section

Thesis Question

How can technology and moving modules help users to realize multi-functions in one space depending on the limited space each person has right now and in the future?

Thesis Statement

Working out of office has become a reality, and the COVID-19 has advanced this process. In the future, more and more people will work in a mobile mood, which means it can happen anywhere. By using **technology and moving modules** to the space, the space can satisfy user's **living and working needs**. And users will have more possibilities to blur the boundary between working and living and also created more possibilities to communicate with others.



Extra space

More functions

Comfort

Office like home

Hotel that can work

Communication center



The character

Rather than the WEWORK office that conbind different type of people who need a space to work, I want to design a hotel that **welcom all different kind of users to stay like home** and in the same time they can **work together** and also **provide a space for them to communicate**.

Business traveler Neighbor Tourist

The needs



Material collage

The strategy

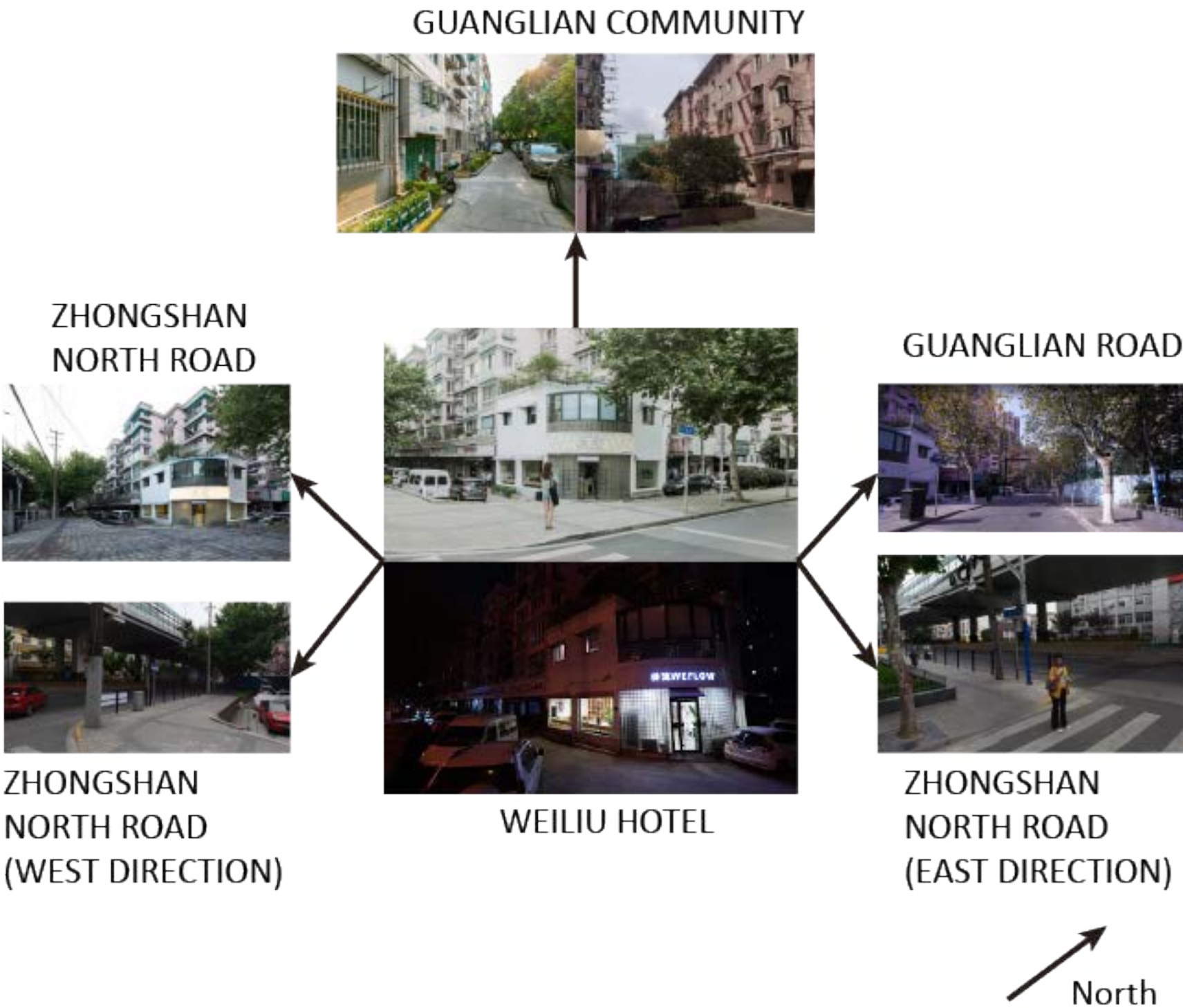
Moving module

Technology

Material

Living in China is characterized by **small space but high demand**. As one of the representatives of this characteristic, the old city of Shanghai also has the same problem. **Achieving multifunctional use (accommodation and work) in a small space is the current problem to be solved.**

Site



The site is Weiliu Hotel that located in a edge between residential and office area. The traffic is convenient that people can only take maxmin of 6 subway station to get to the center of office area. Also there are two business circle next to the site which easy the neighborhood and also attract more tourists.



Micro Map (in 3 blocks)

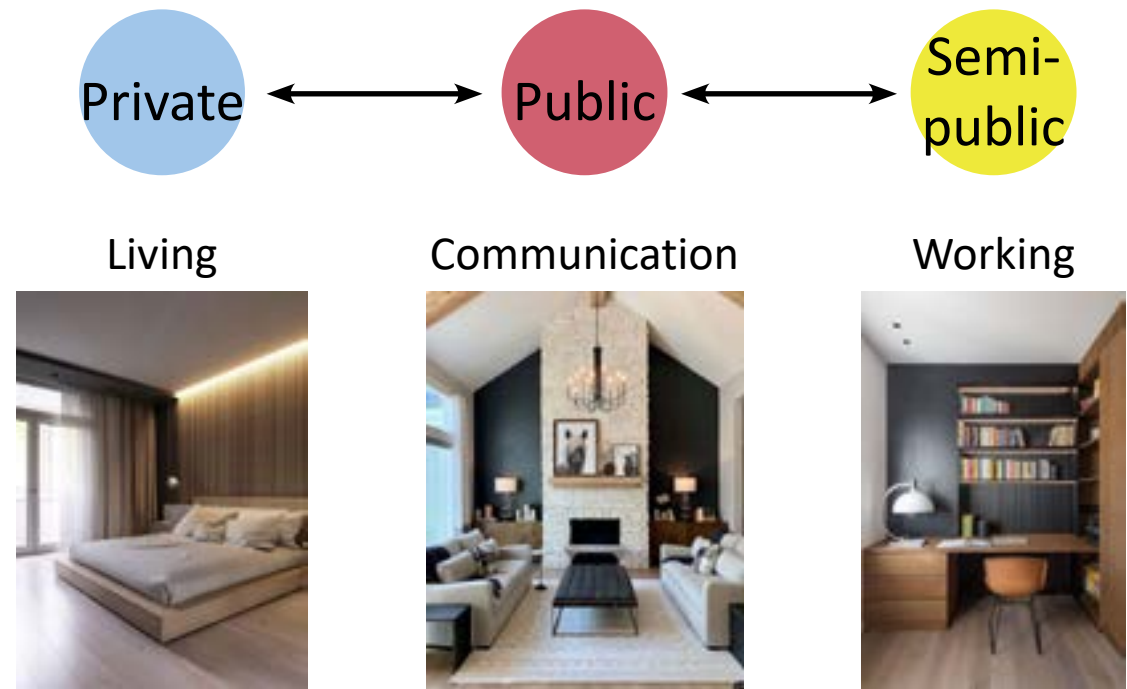


Macro Map (in 10 blocks)

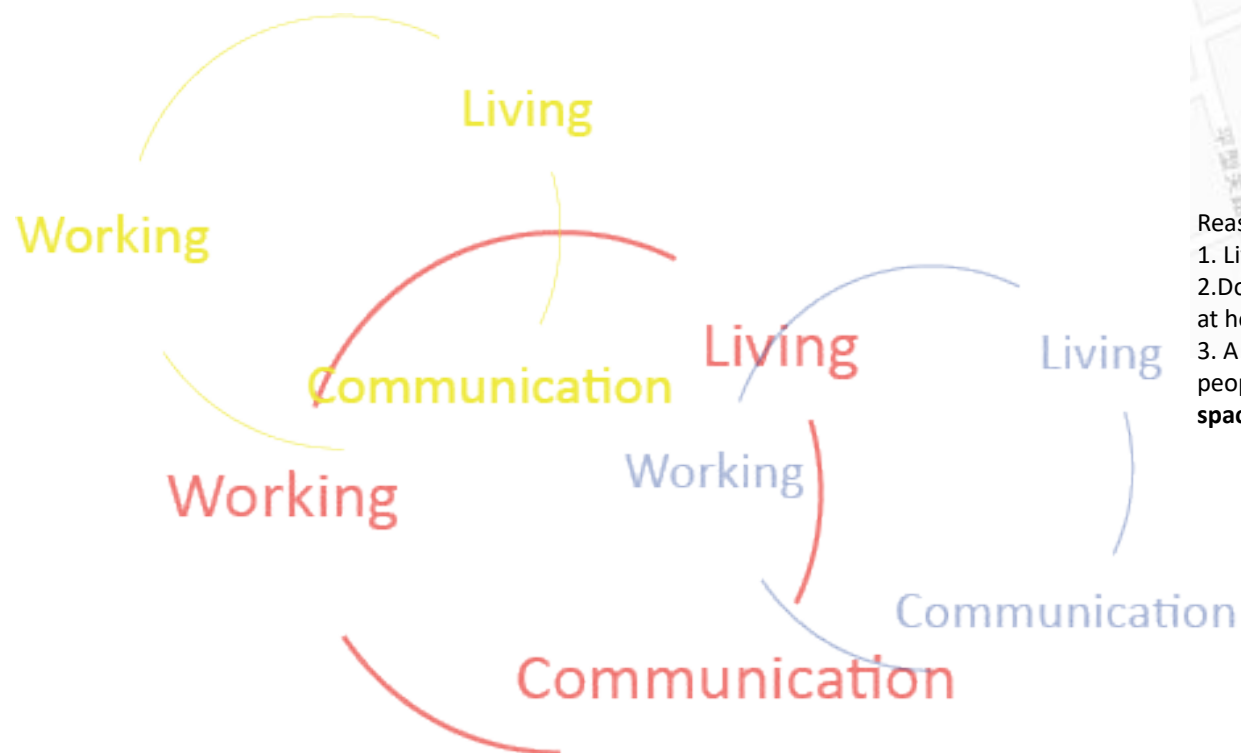
- Resident Area
- Office Program
- Small business circle
- Site
- Subway station
- Subway route

What is new?

The program before



The program after



In the traditional living strategy, **private functions and public functions are separated** because of the privacy problem. But in this case, there is less communication between users and the fixed circulation gives less opportunity to the space.

I design the program that has three functions as a module. The module can move around and serve different users in different conditions.

The users-Combine 3 types of users in one space

The hotel welcome different types of users to live and work together. All functions mix up together. Each group of users can use all functions in a same time.

Tourist

Travel schedule:
Hanging out with friends during days, and stay together until midnight in hotel. **(Stay inside only at night)**

Neighbor

Reason to work outside home:
1. Living with family. **(Need quiet space)**
2. Do not have enough space at home. **(Need open office)**
3. A new space with different people to inspire him. **(Need communication space)**

Business traveler

Job content:
1. Sorting out customer's info in the morning. **(Working Alone)**
2. Meeting customers in the afternoon **(Meet with others)**

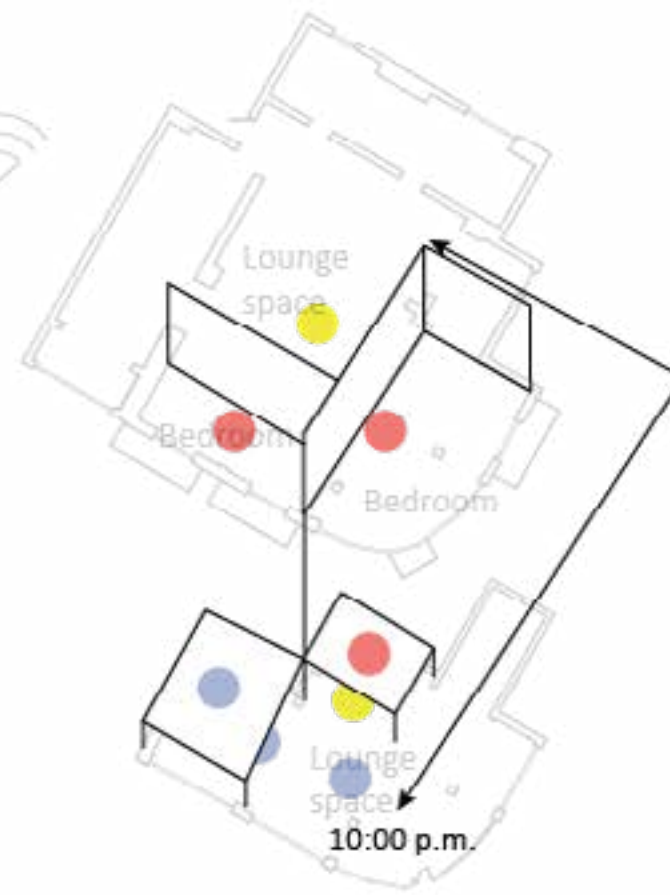
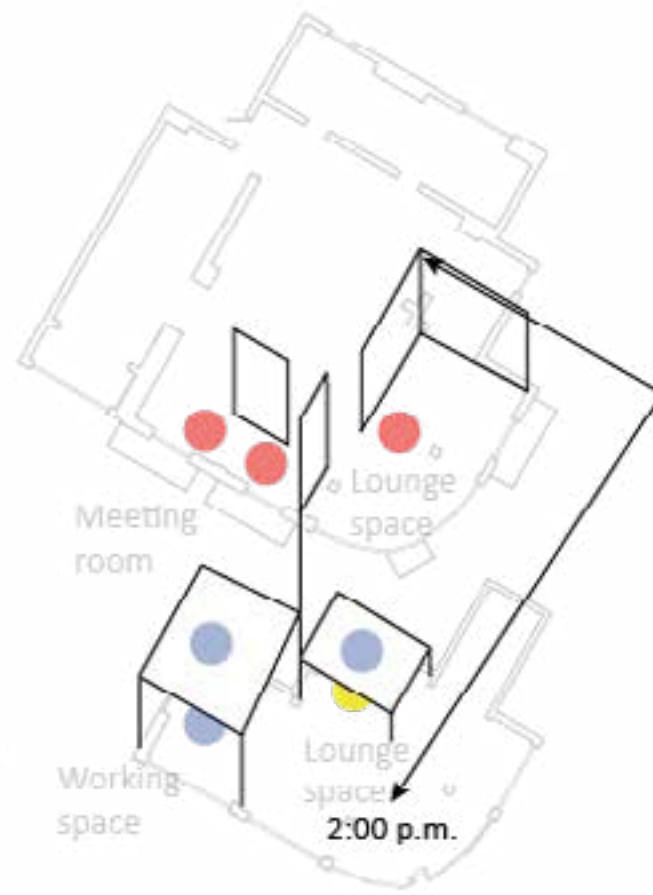
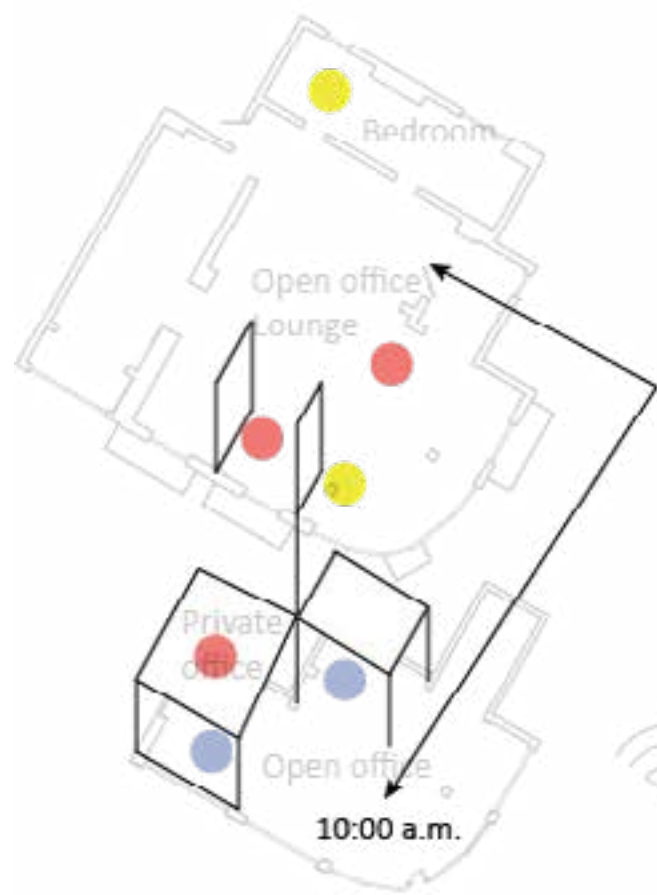
Site: Weiliu hotel

Office Building

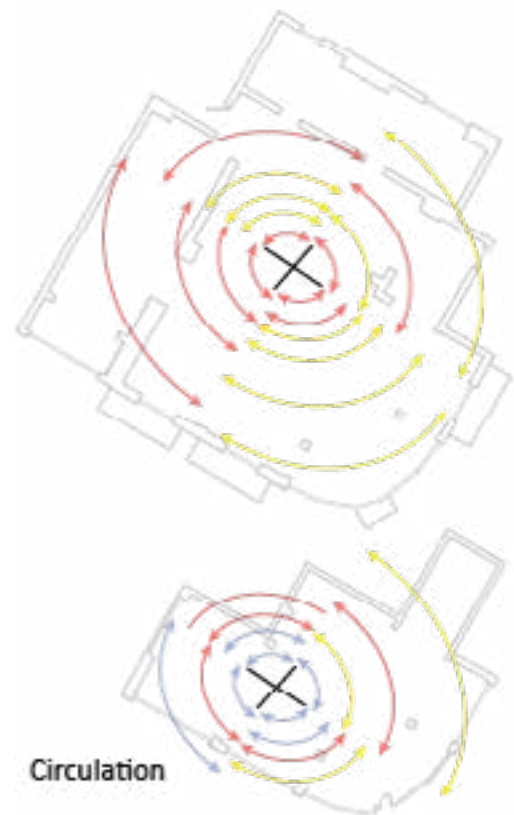
Residential Building

Train Station

Airport



- Neighbor(3 people check in)
- Business traveler(3 people check in)
- Tourist(2 people check in)
- ← Stairs
- ▭ Wall
- ▭ Partition



The circulation in the space has a radioactive shape.

- ← Neighbor
- ← Business traveler
- ← Tourist
- × Circulation center



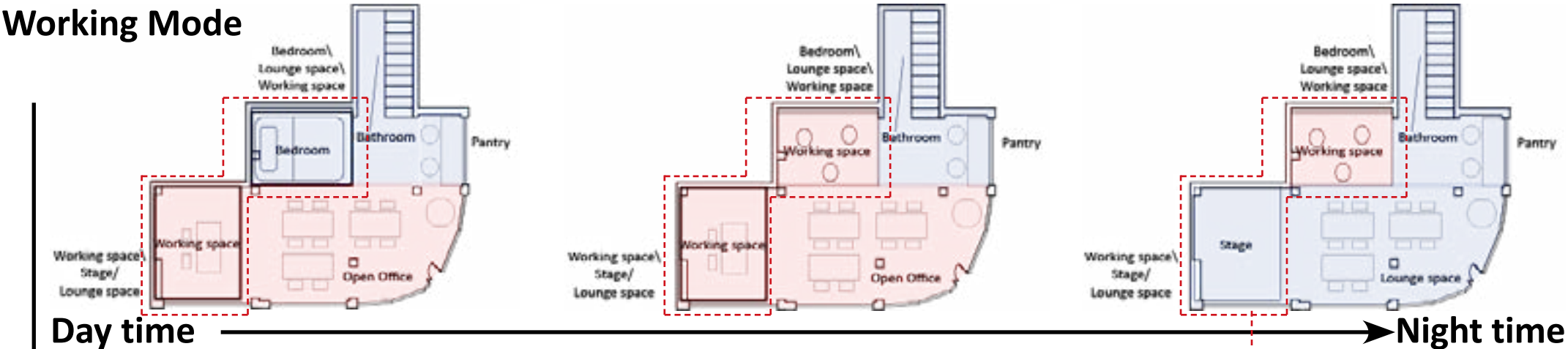
Users can observe the using space by their mobile devices and control the space by their devices easily.



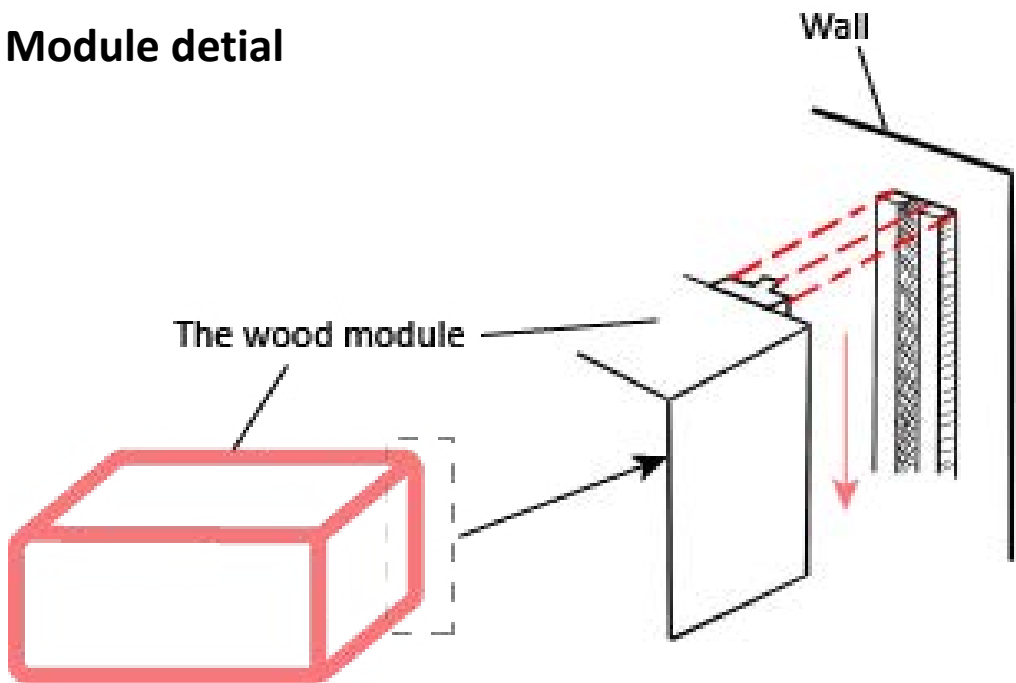
Sequence- 1st Floor



Working Mode

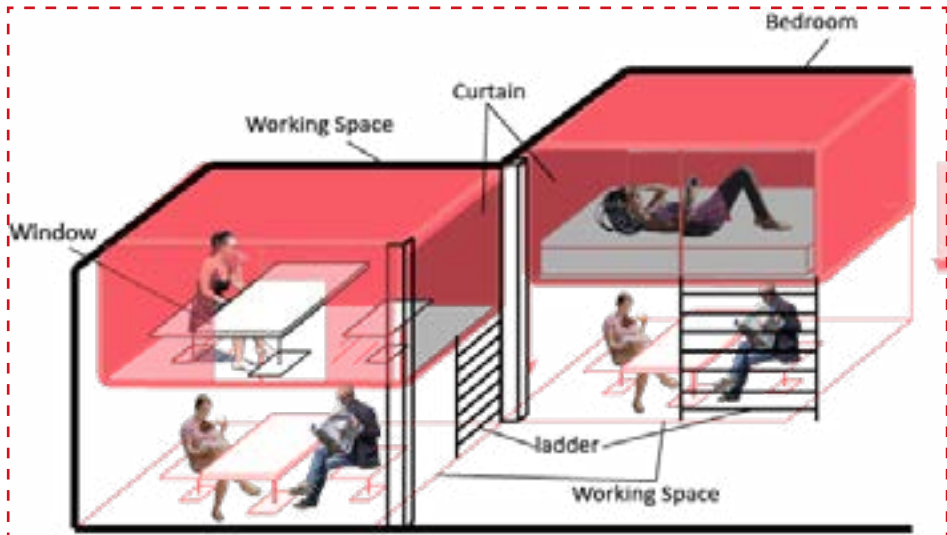


Module detail

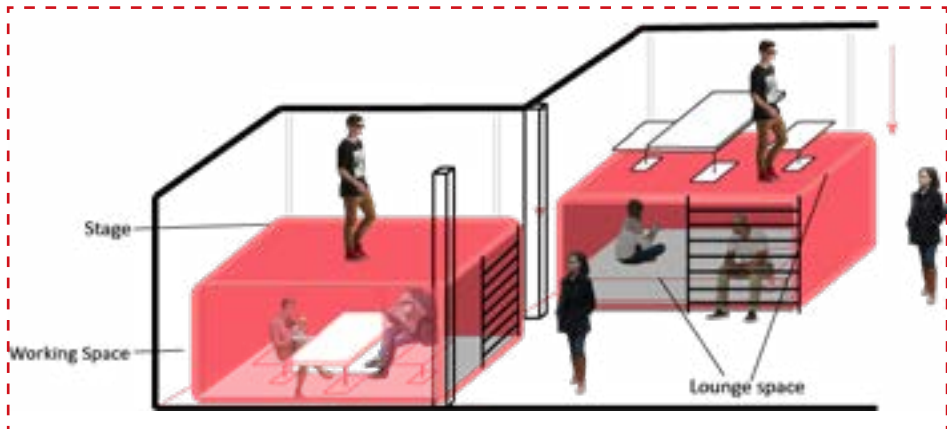


The module is made from **wood** for the vertical part, **steel** for the horizontal part to sport the weight. The modules are **hanging on the wall by follow the steel track** on the wall. It can move vertically.

Living Mode



Day time



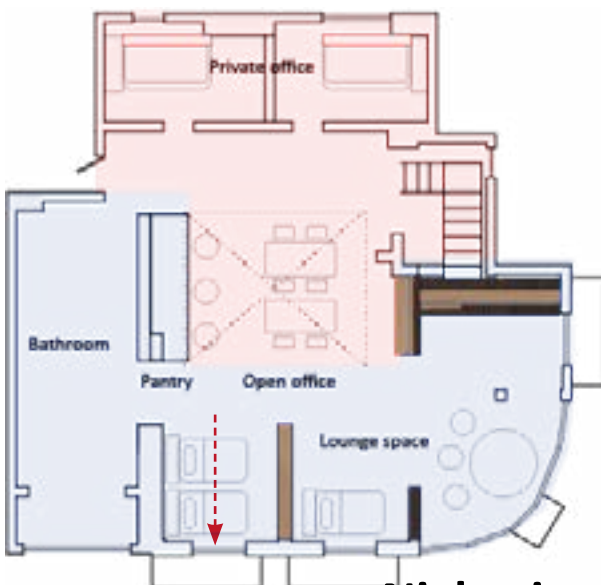
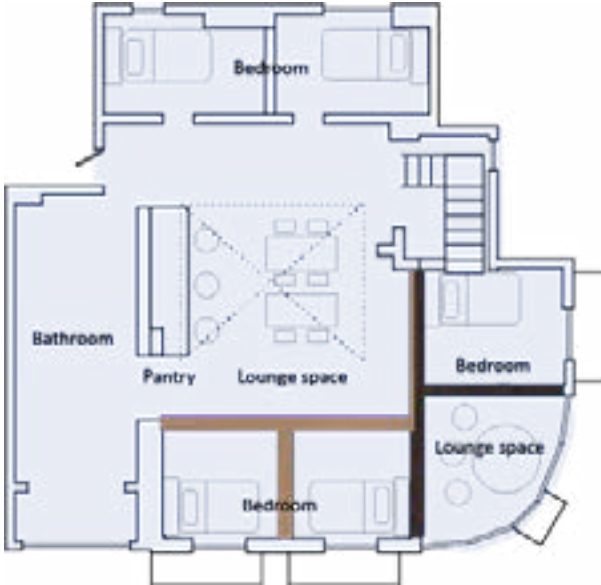
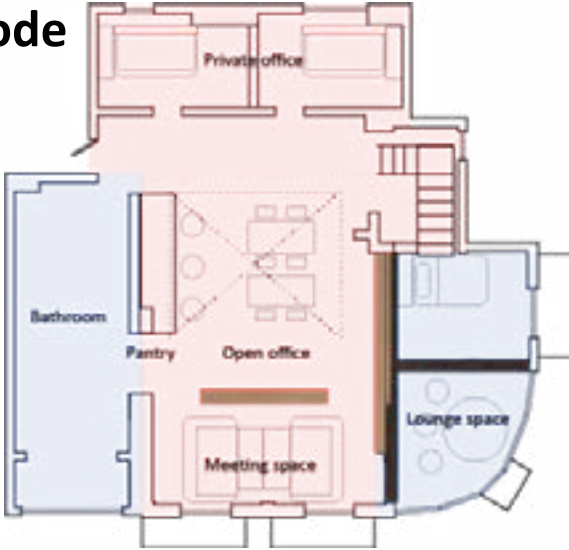
Night time

All users can use the 1st floor. It is used most as working space during daytime. It has open office, Private office, Lounge space and a pantry. Also there is a bedroom for users to take a nap. At night, it become a small satge which users can watch stand up comedy, and it still has working function.

Sequence- 2nd Floor

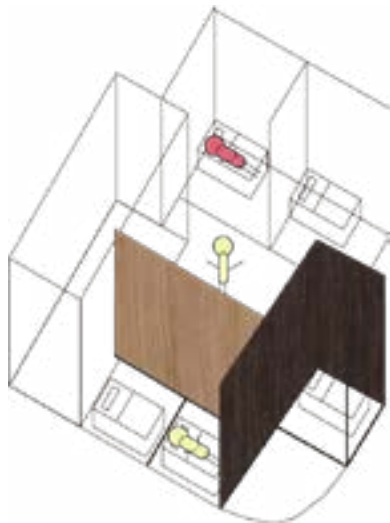
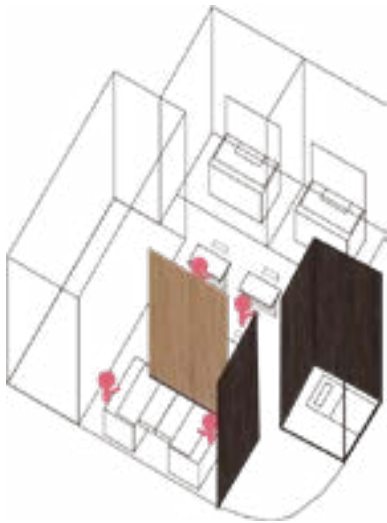


Working Mode



Day time

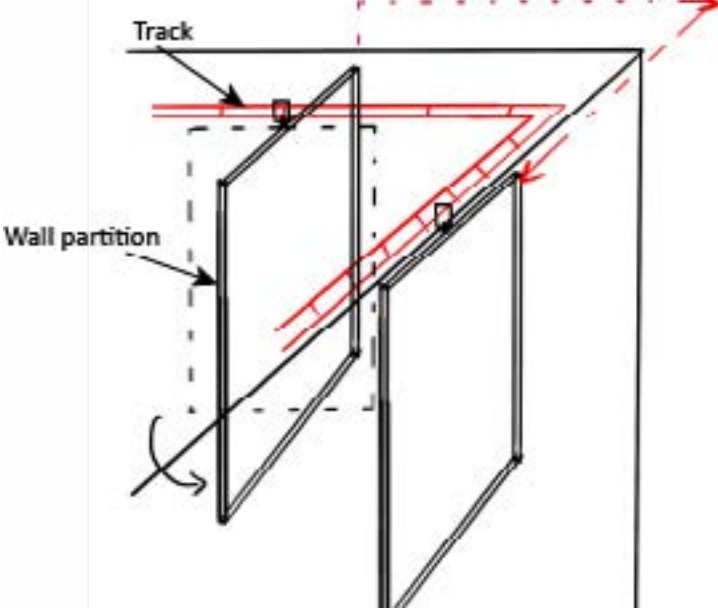
Night time



Living Mode

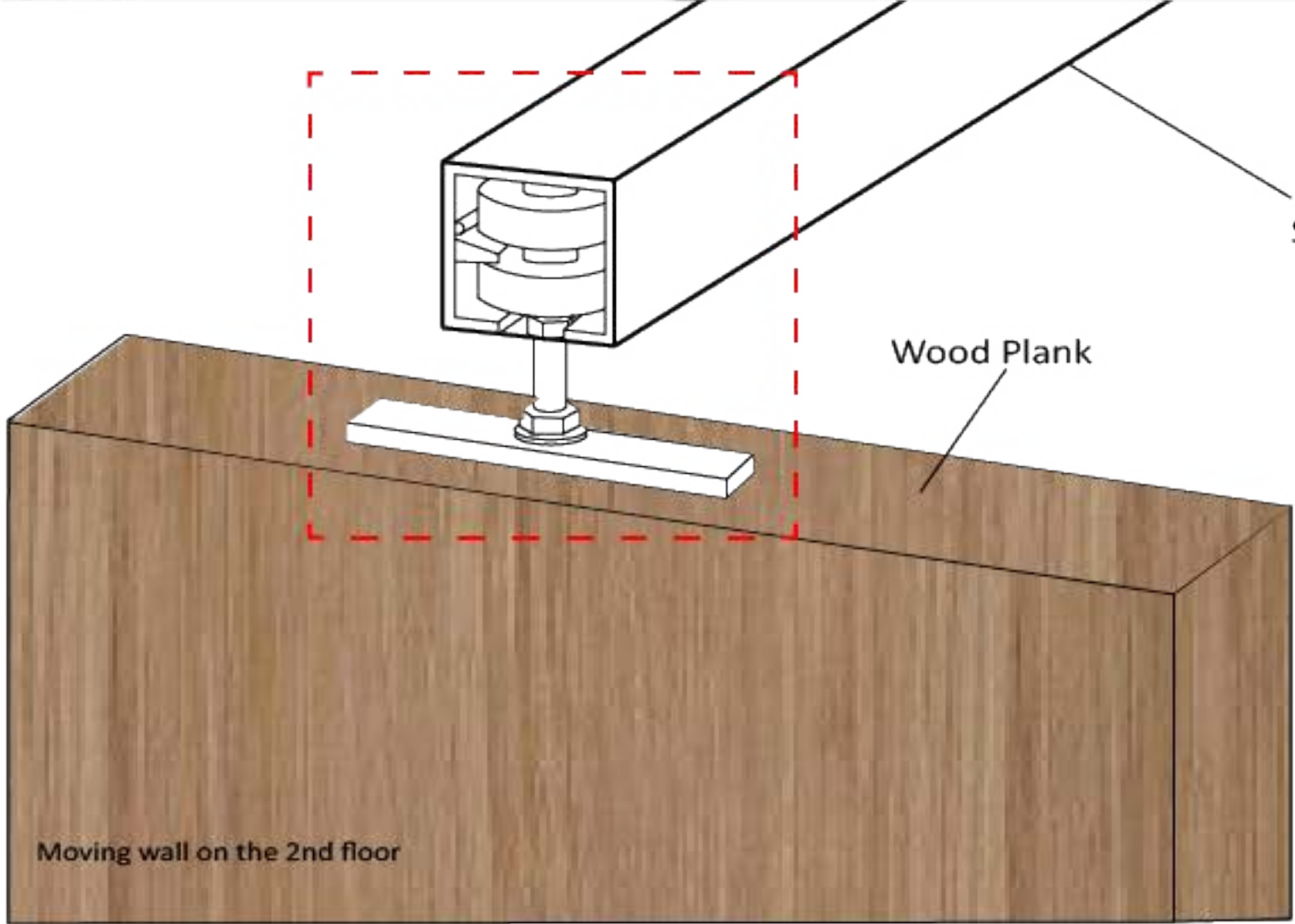
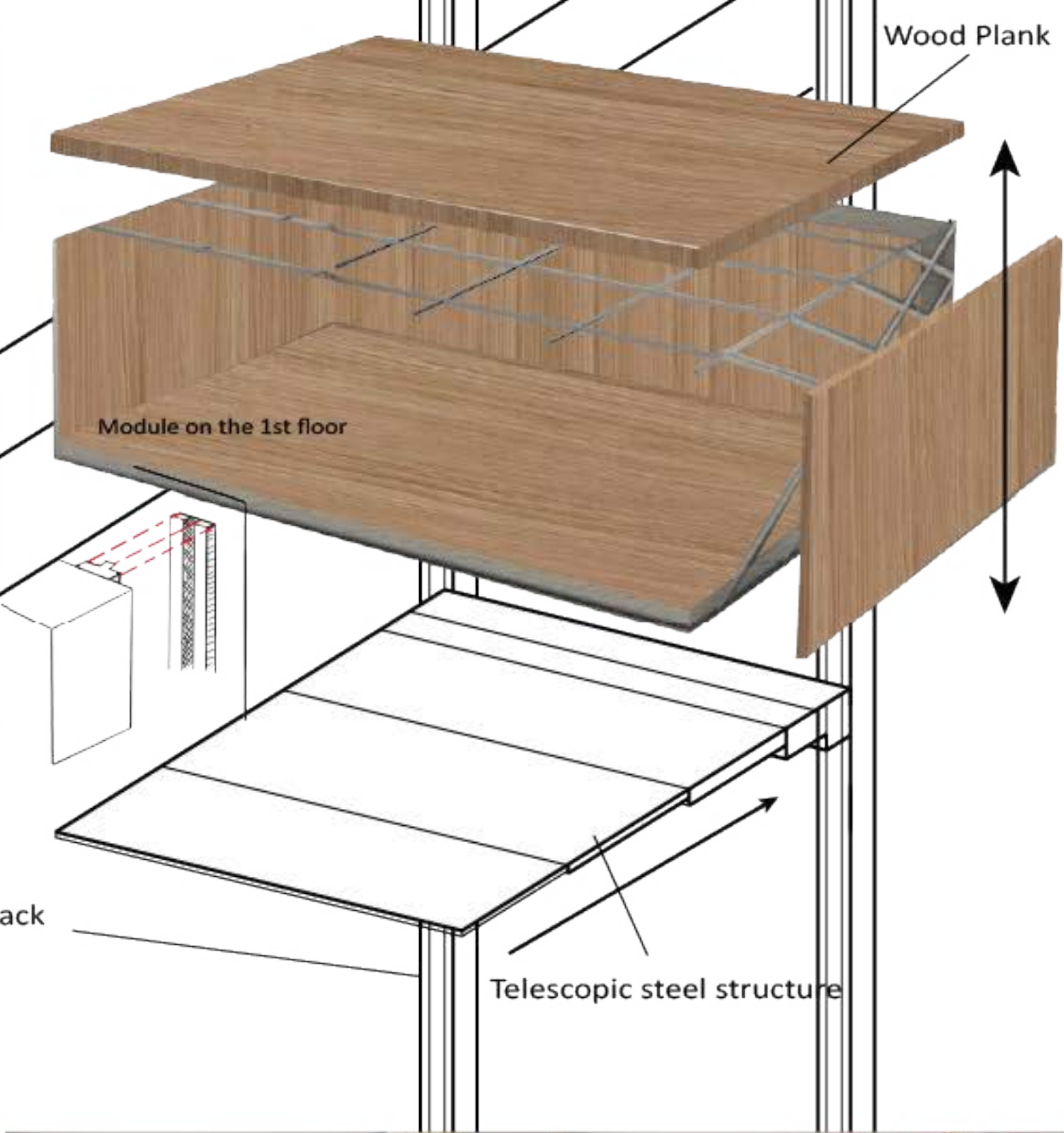
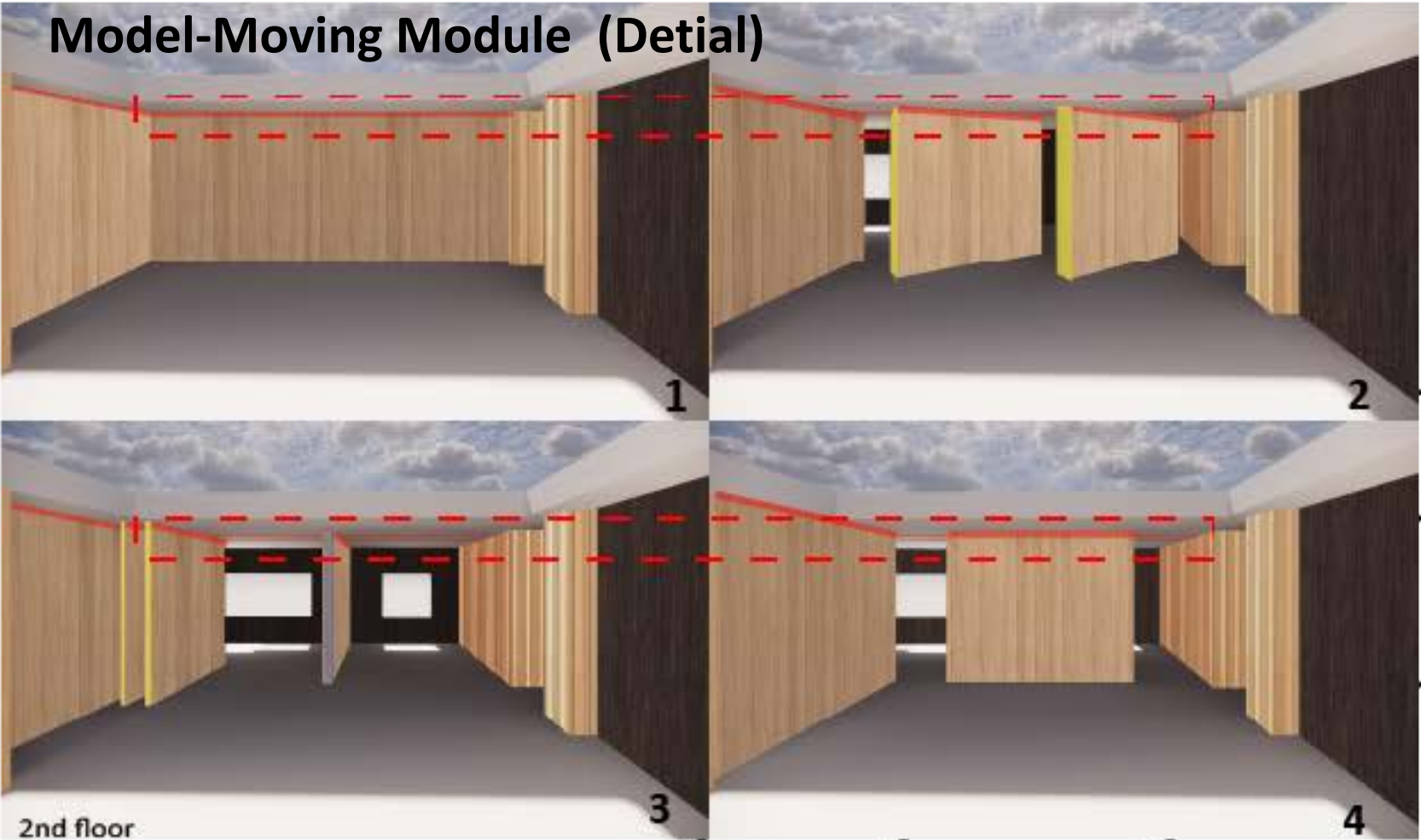
By moving the wall partitopn, the space can be **opened up gradually**. The space is separated in different functions depending on the needs of users. The wall partitions follow the track on the ceiling and can also **move and rotate**.

Wall detial

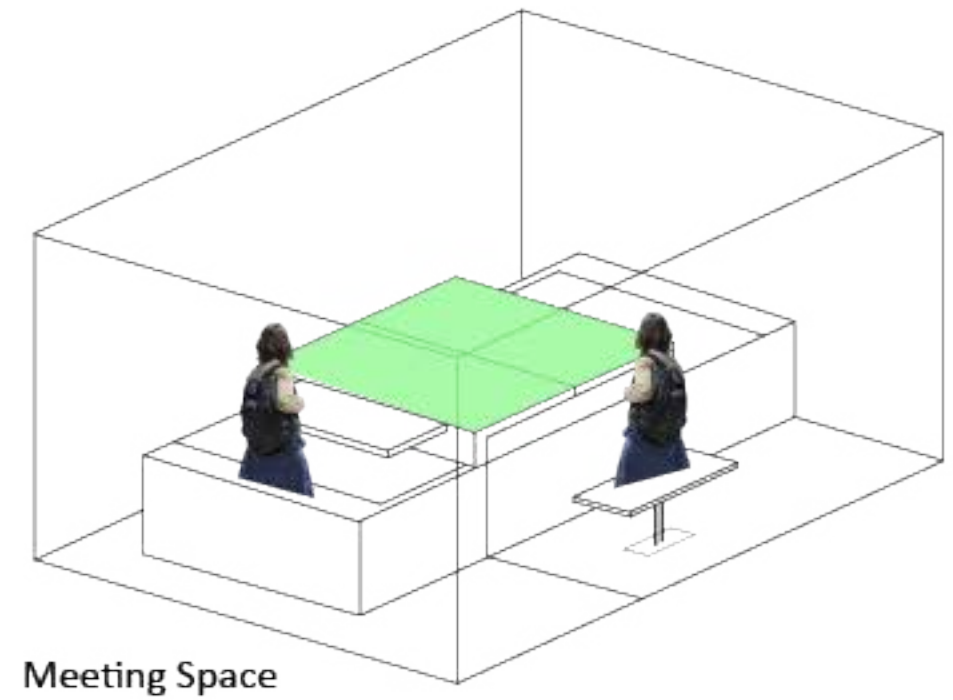
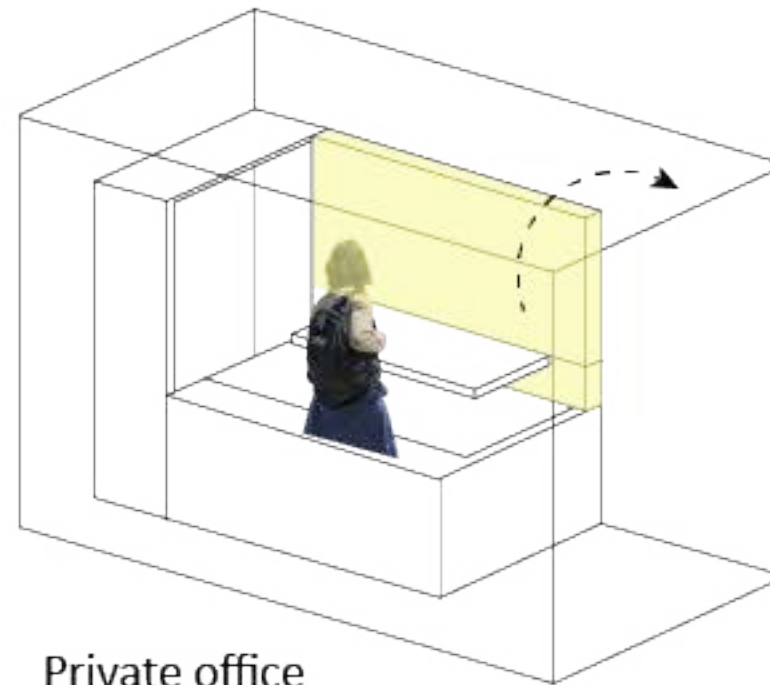
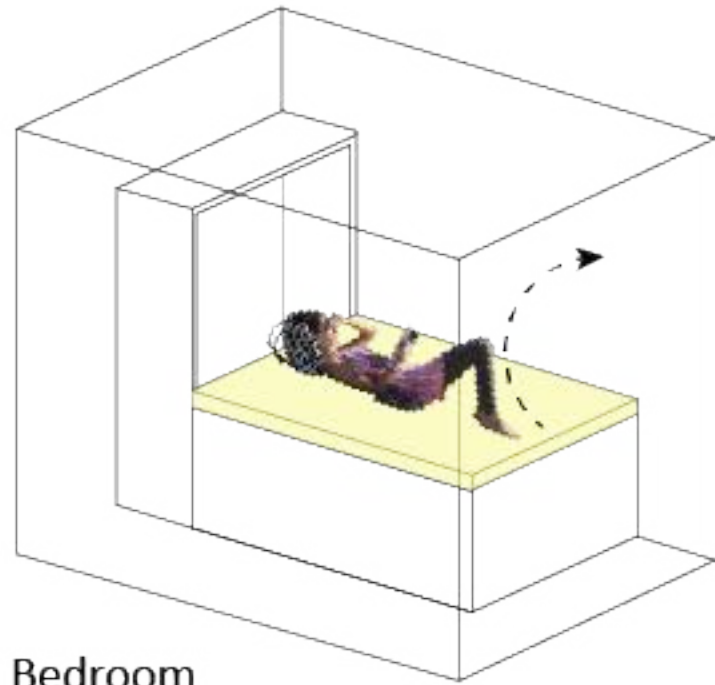


2nd Floor is only for the users who live in the hotel. It is used as living function as main function. In the daytime, the central space is used as open office and lounge space, and the side rooms can be opened as meeting space/lounge space/ private office/bedroom depending on users needs.

Model-Moving Module (Detial)



Different functions in one space

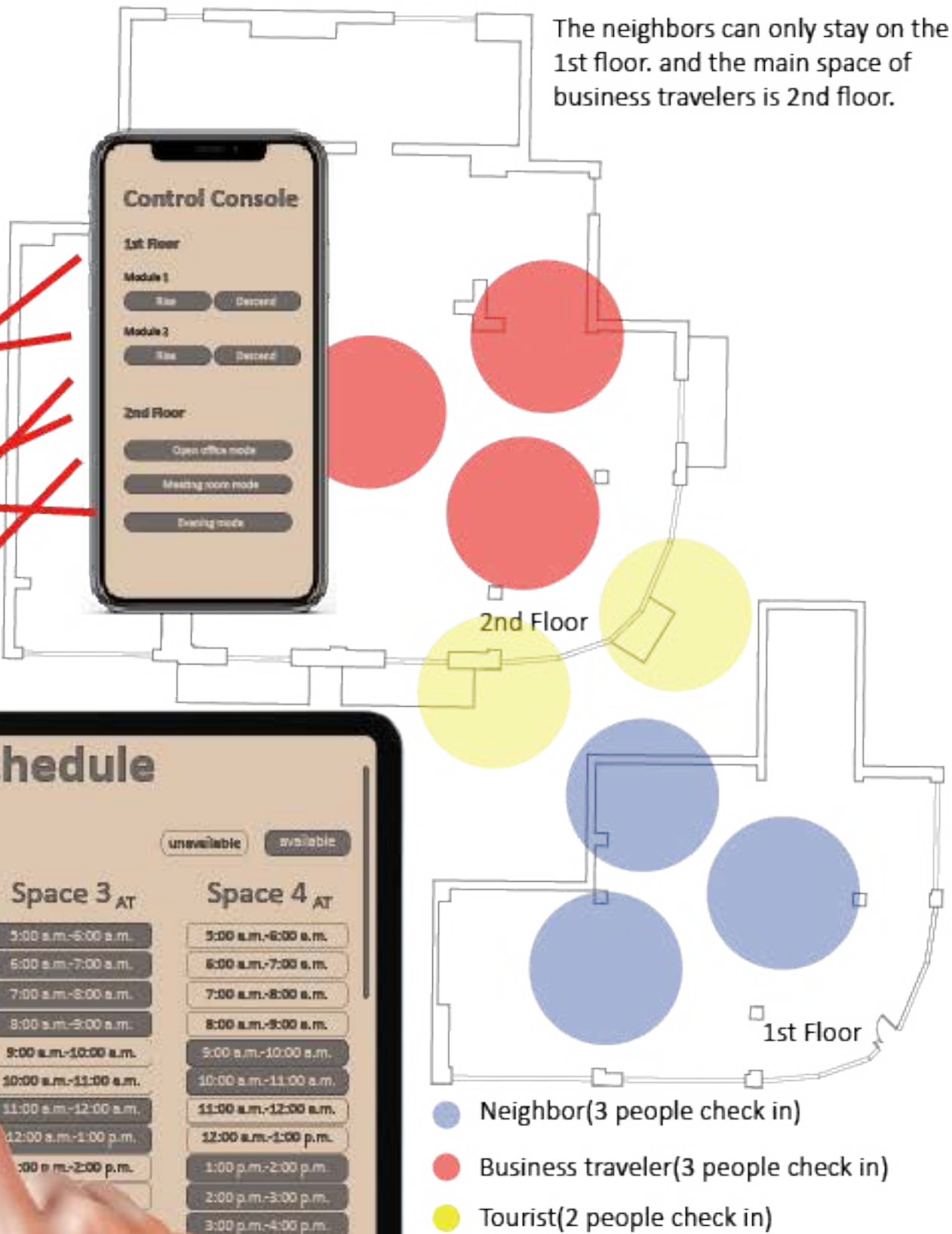
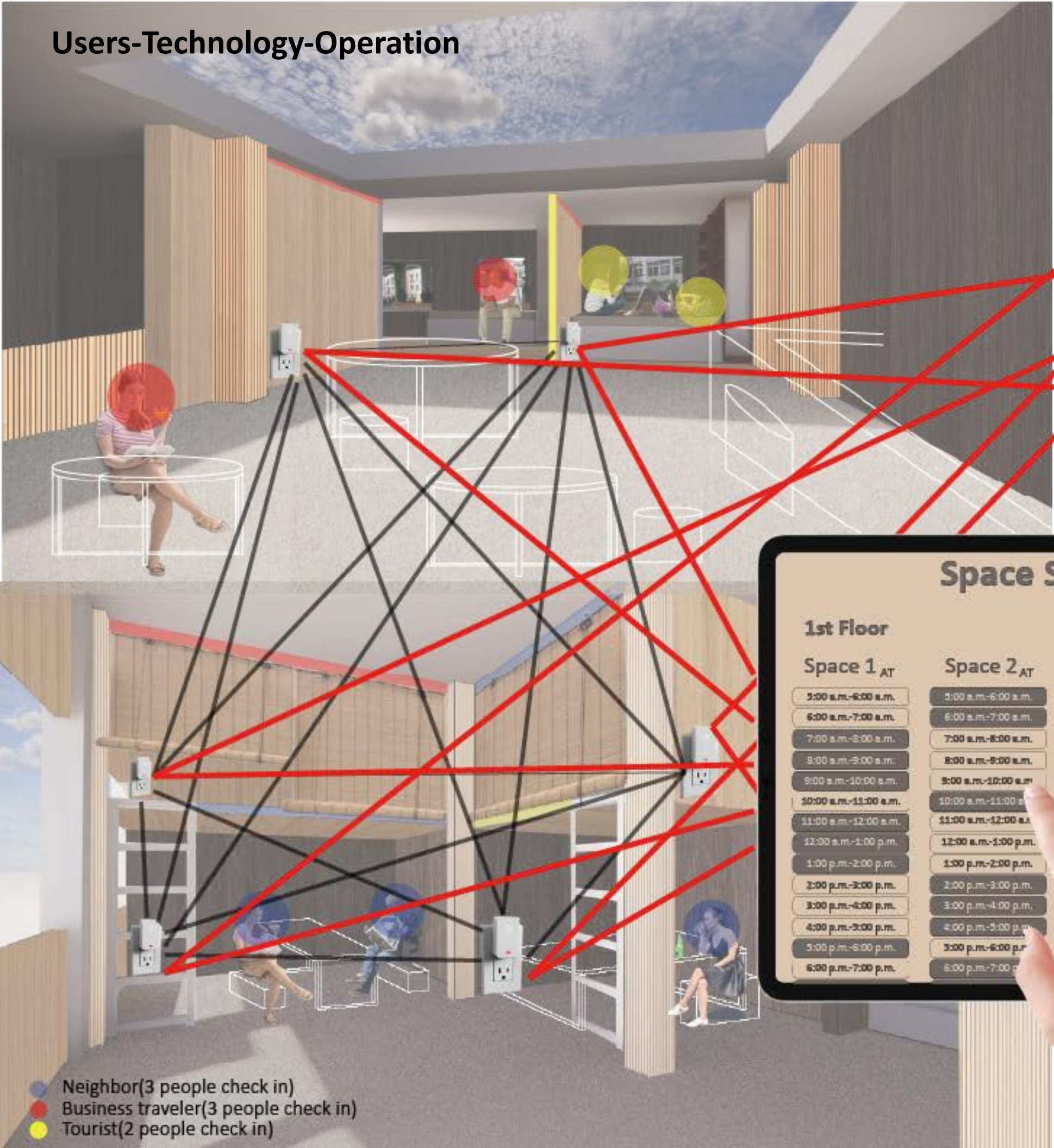


Evening → **Morning** → **Afternoon**

Using bedroom on the 2nd floor as an example. It is used to sleep at night. During the day time, it can be used as private office or meeting space which has to combine two bedrooms together.



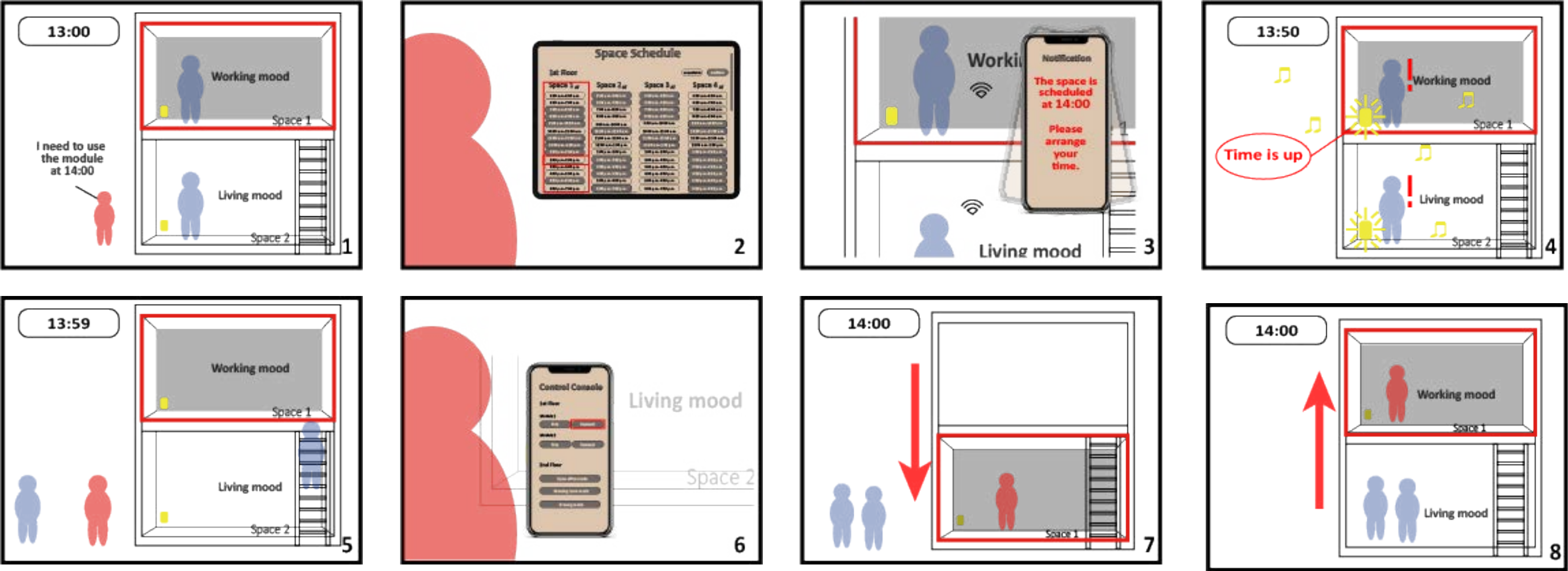
Users-Technology-Operation



The users can use their mobile devices or the tablet in the hotel to see the schedule of each space and make appointments. They can also use devices to operate all moving modules.

Technology- Combine of Motion Sensor and mobile devices

Storyboard



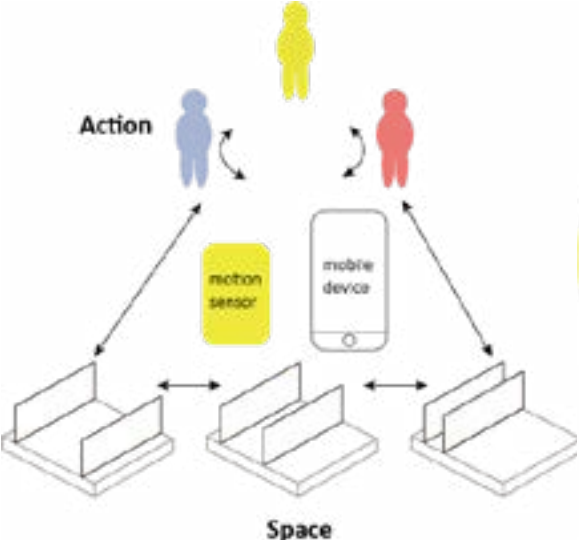
Each moveable space has a motion sensor. It can detect whether the space is used or not and also transport the info to the mobile devices.

Users can see the condition of each room and **make the appointment** with all the room base on their schedule.

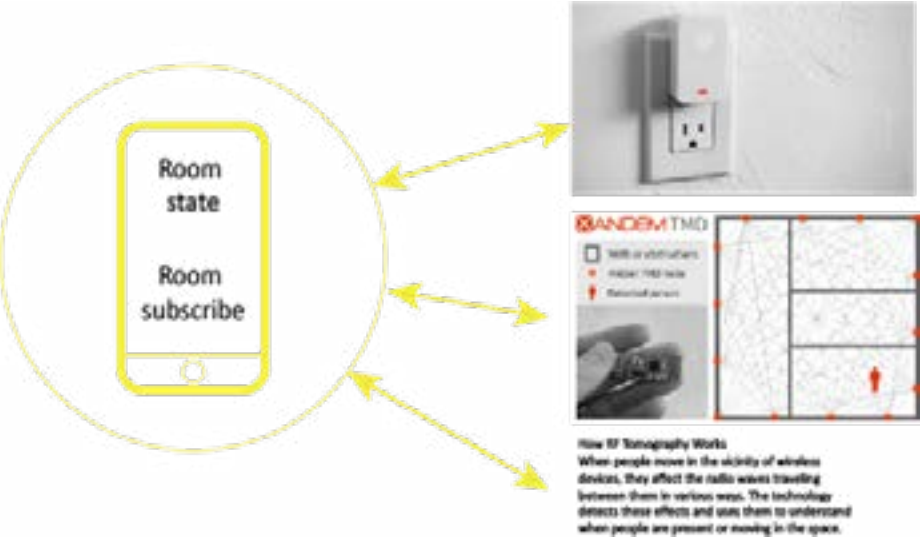
Before the schedule time, the space will **notice the current users to leave**.

All the **movement is automatic**. The operational details can be seen on the mobile devices.

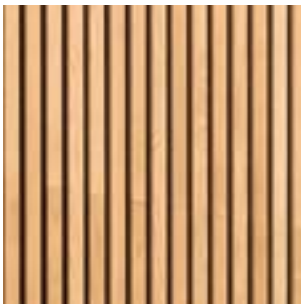
User-device-space diagram



Motion Sensor



Material



Bamboo



Light wood



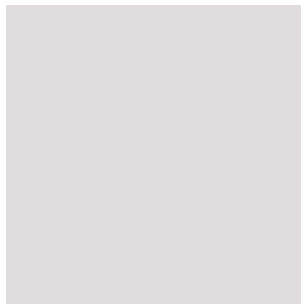
Dark wood



Carpet



Concrete



Gray Paint



Blue Paint



Yellow Paint



Red Paint



2nd Floor public area



1st Floor public area