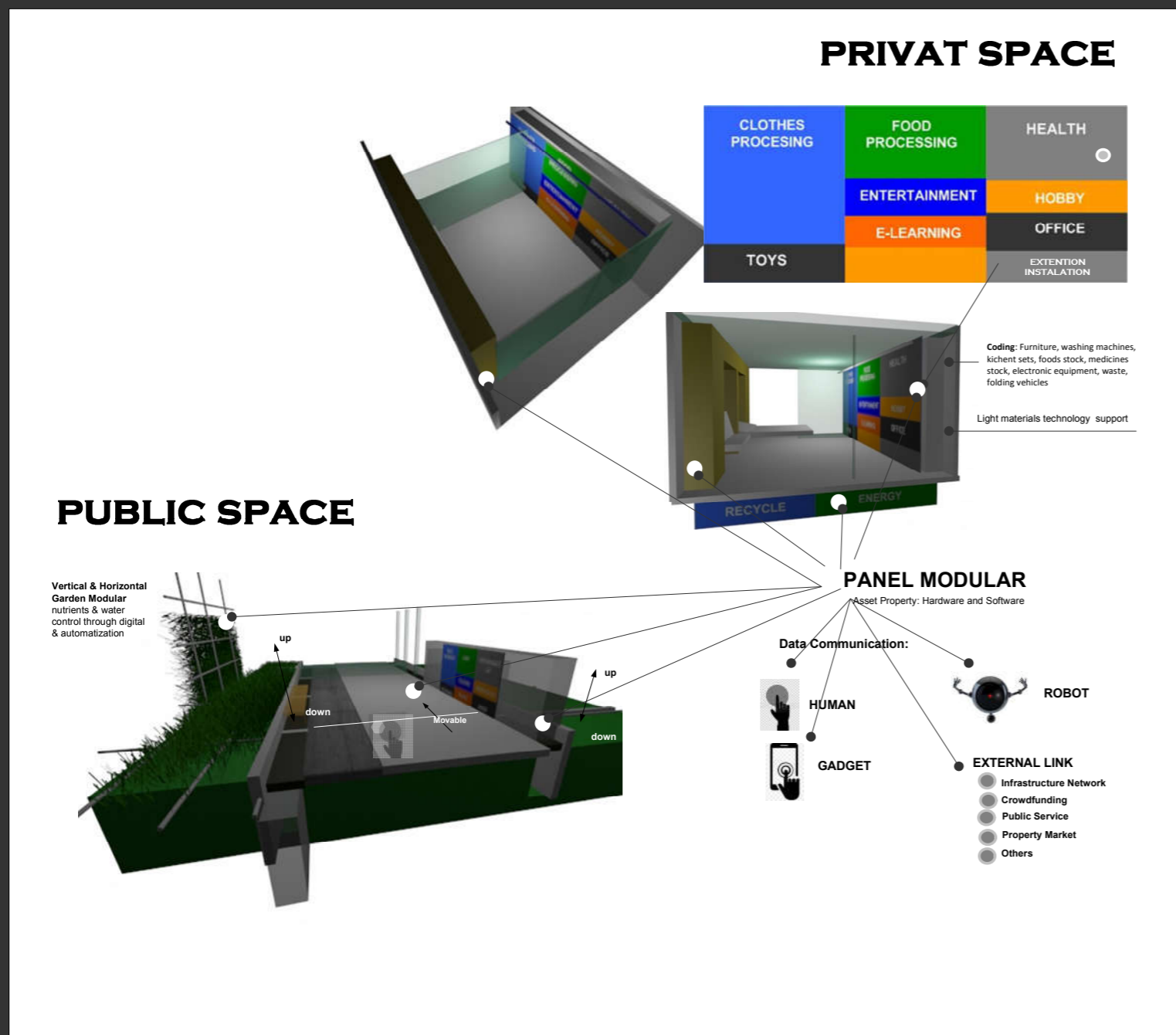
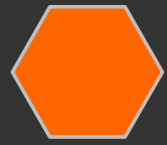


### PANEL MODULAR FOR AUTOMATIZATION

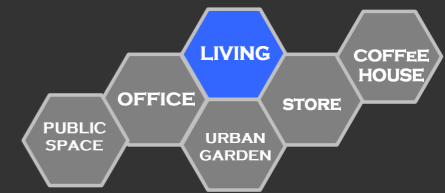
Building (interior, physical building, open space, area, city) consists of tangibles asset and intangibles asset components. The tangibles asset and intangibles asset components are **codified and configured in a panel modular**. This is useful for data communication, such as: robot assistance in activities in the office or inside the house, automation in horizontal and vertical urban farming, remote control, configuring themes in internal space or public space. We call it **panel language**. These panels communicate with other panels, with people, with robots, with smartphones, with government policies, or with funding institutions such as crowdfunding. Furniture, washing machines, kitchen sets, food stock, medicines stock, electronic equipment, waste, energy, even vehicles are grouped, coded, configured in panels (in the wall, floor, roof) at home, office or public space.



Metadata	scale			Reason
	1	2	3	
• The degree to which advanced technologies (including IT) are used <i>(Low-tech) 1 - 2 - 3 (High-tech)</i>			✓	The idea can be applied using medium technology (mechanization) to high (digitalization and automation / robot Internet based, drone based, and holo based technology.
• Site-specificness: The degree to which the idea targets a specific locale <i>(Site-agnostic/universal) 1 - 2 - 3 (Site-specific)</i>			✓	The site spec. Is metro cities have iss sustainability, density, expensive land
• Degree of commercial potential <i>(Strictly for public good) 1 - 2 - 3 (May profit some parties involved)</i>			✓	The idea has a large level of commerci potential, changes the structure of the industry, overcomes the issue of urba problems in many countries such as d expensive land prices, sustainability
• Time scale of citizen-led changes to cities enabled by the idea <i>(Short-term change) 1 - 2 - 3 (Long-term change)</i>			✓	The time scale of change is around Lor but with the development of material technology, the internet and artificial intelligence, things that are impossible achieve in a shorter time.
• Geographic scale of citizen-led changes to cities enabled by the idea <i>(Small-scale change) 1 - 2 - 3 (Large-scale change)</i>			✓	this idea departs from problems in ma such as issues: sustainability, density, expensive land prices,
• Hurdles toward participation, from a citizen's perspective <i>(Anyone can participate) 1 - 2 - 3 (Requires expertise, time, money, etc.)</i>			✓	Hurdles toward participation, from dig automatization design

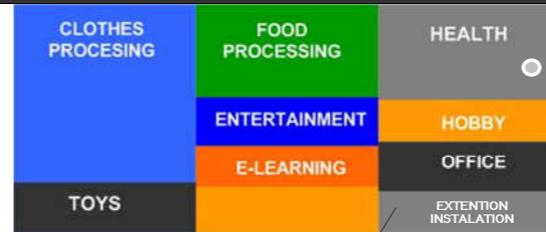


# PANELHUB



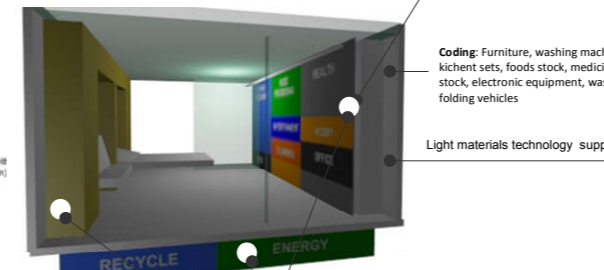
## PROPERTY TRANSFORMATION MODE

Rest rooms can be converted into offices, coffee house, living room, rest room, and other commercial space by simply pressing a button in some corner of the room or via smart phone.



## MODULAR

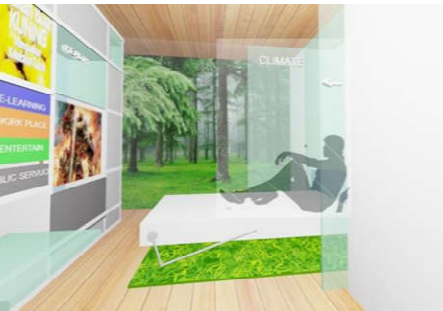
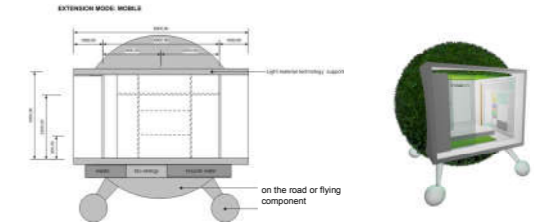
Building in a wide definition (interior, physical building, open space, area, city) consists of tangibles asset and intangibles asset components. The tangibles asset and intangibles asset components are **codified and configured in a panel modular**. This is useful for data communication, such as: robot assistance in activities in the office or inside the house, automation in horizontal and vertical urban farming, remote control, configuring themes in internal space or public space. We call it **panel language**. These panels communicate with other panels, with people, with robots, with smartphones, with government policies, or with funding institutions such as crowdfunding. Furniture, washing machines, kitchen sets, food stock, medicines stock, electronic equipment, waste, energy, even vehicles are grouped, coded, configured in panels (in the wall, floor, roof) at home, office or public space.



Foreigners live in Ginza for its abundance of entertainment and high convenience. As has been mentioned, this is a busy district. Constantly with a lot of people, restaurants, nightclubs, and department stores. The folding component, internet & digital allows changes in slim space into unlimited space. The hologram technology & internet allows changes in the theme and atmosphere of space such as: walls of water, in forests, in mountains, in waves of water.

## STATIC-MOBILE

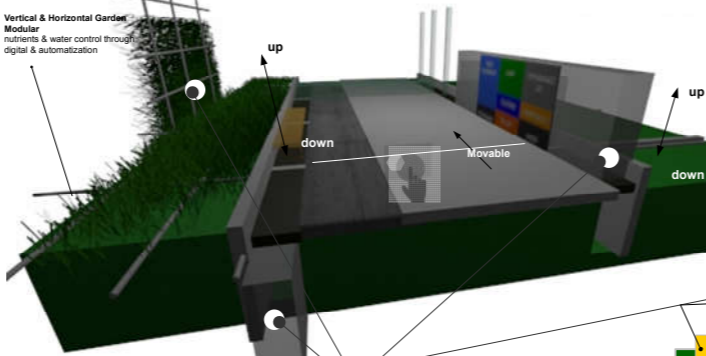
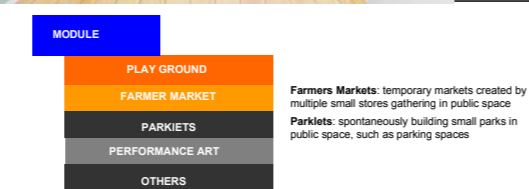
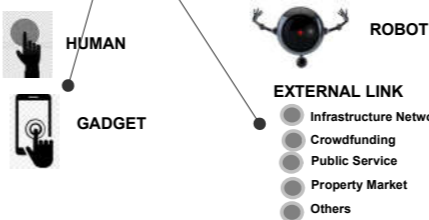
Physical space can be either static or mobile space. Mobile space is for some peoples who do not intend to invest in real estate, because of the types of mobile business. Space Rent mobile are like vehicles that run on land or fly through the use of gas balloon or drone-based technology.



## PANEL MODULAR

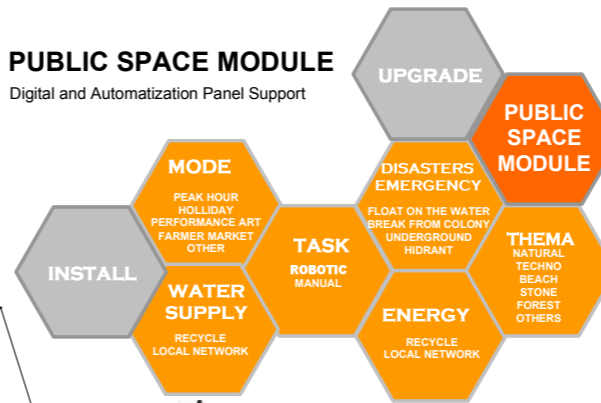
Asset Property: Hardware and Software

Data Communication:



## PUBLIC SPACE MODULE

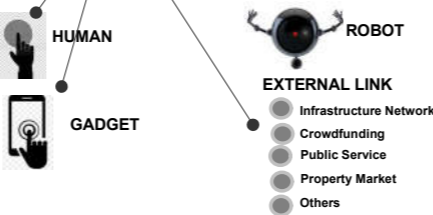
Digital and Automatization Panel Support



## PANEL MODULAR

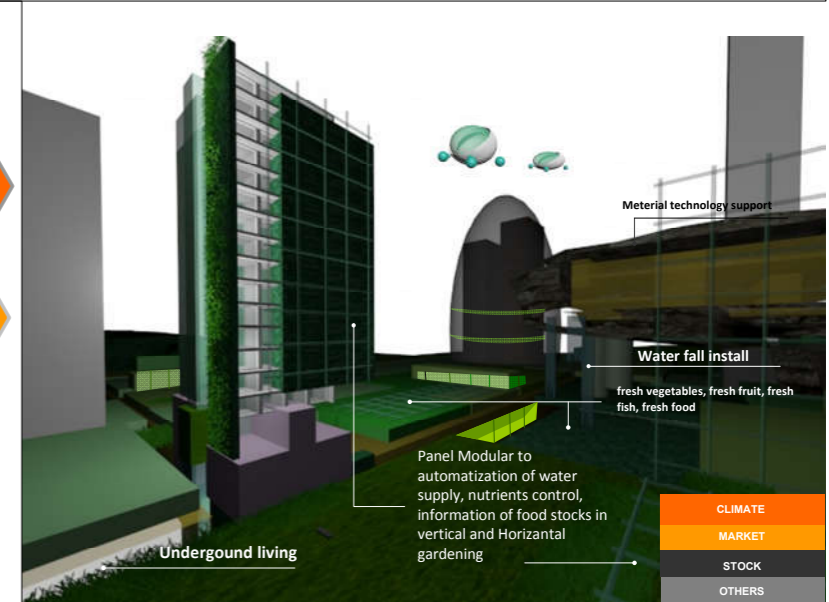
Hardware & Software: street furniture, play ground equipment, water supply, planting media, others

Data Communication:



## AUTOMATIZATION

Modular panels can change the public open space in certain main activities such as thema: performance art , playground , e-learning, farmers market, parkiets, peak hour, holliday activity, by just pressing the button in some corner of the room.



## URBAN GARDENING MODULE

Urban farming: **Ginza Farm's**. Mixed land use with urban farming is a useful trend to provide a sustainable city (water, energy and other resources), providing a supply of fresh food, fresh vegetables, fresh fruit, fresh fish. Urban farming activities are **mapped, grouped, coded, configured in the modular panel**. This is useful for automatization of water supply, nutrients supply, information on food stocks, market information and determining the theme of agriculture for climate and market within a certain time.



## DISASTERS EMERGENCY MODE

The Panel Module is also useful for natural disasters conditions. In disasters emergencies, interiors, physical buildings, open space can be changed in several modes such as: float on the water, break from colony, diving in water, or underground saving.

