

take a grow!

buy healthy,
enjoy the city!

Take a Grow its an app that provides with healthy organic vegetables and fruits through a high tech modular mini farms network, spread all around the city.

Local entrepreneurs (a.k.a. urban farmers) will be able to rent farm modules and start its own business, offering to consumers a wide range of healthy organic vegetables and fruits.

healthy and natural

Promote healthy habits, providing accessible organic vegetables. Produced in a controlled atmosphere without needs of agrotoxics.

jobs creation

Improve local economies, from the synergy created by new street economic activities.

pro-fair trade

Promote fair trade and responsible consumption to ensure social, ecological and economic sustainability.

pro-urban life

Promote the use and appropriation of public spaces by the population, and support street markets as fundamental elements of urban life.

eco-friendly

Reduce the environmental and social impact of the large-scale horticultural industry.

pro-workers rights

Create new decent and stable jobs, in opposition to under pay and right-less Gig economy self employment positions.

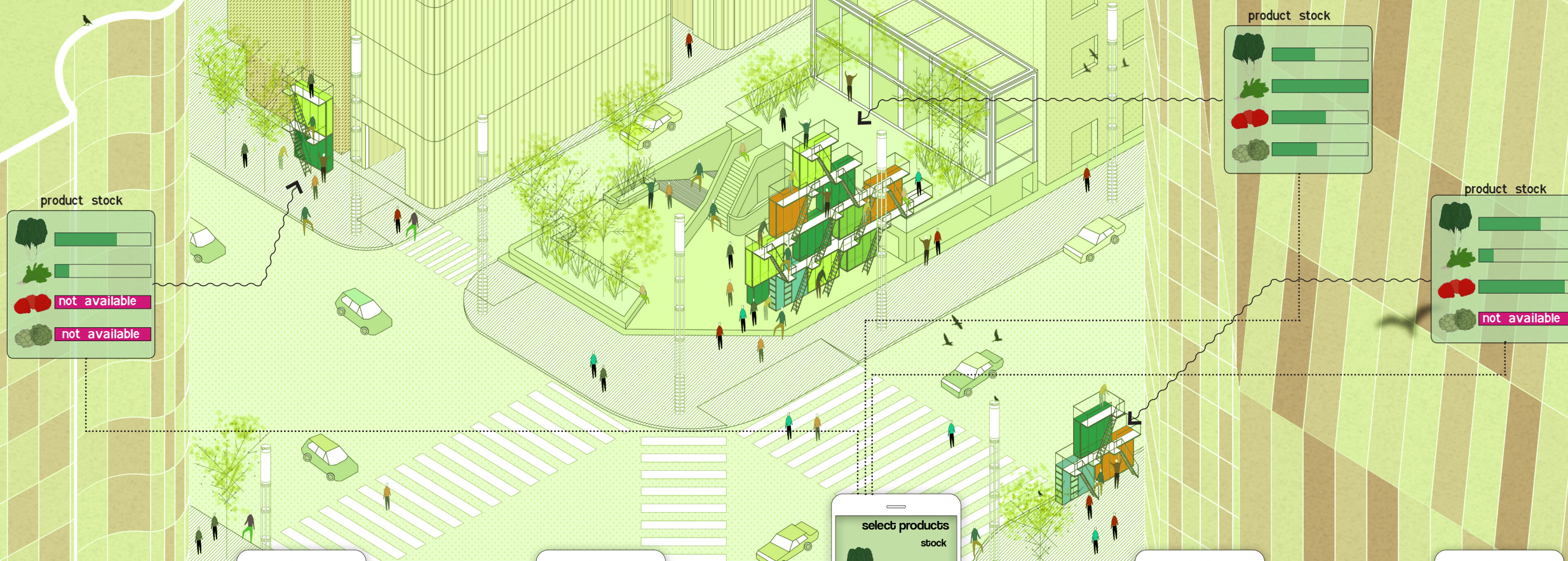
Take a Grow! its an idea based on followings phase 1 projects:

16. Plants for Ginza

22. Storpia

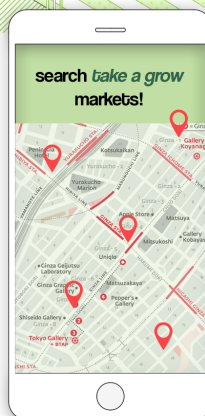
64. Qhatu

95. Make the streets green again!



Application:

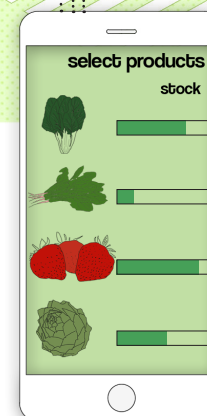
The app will connect small urban farmers with local consumers, who demand fresh organic food and doesn't have the time to go to the grocery. People will be able to locate all Take a Grow Street Market around the area, make an order and pick up later, or go to the shop and choose for they own. The App will show in real time the produce stock of each "Take a grow" stall, and other useful products information.



searching nearby markets

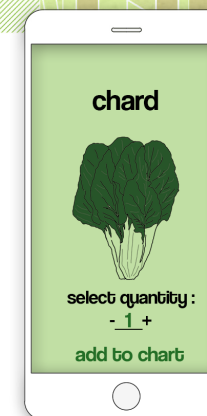


select mode

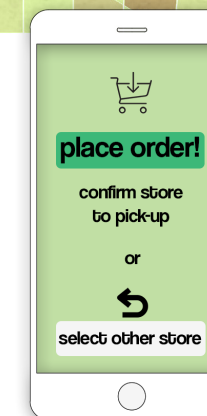


select products

Stock inventories of selected market are shown in real time

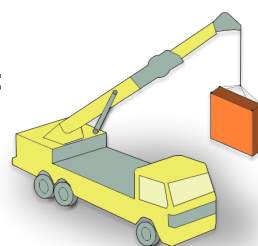


add quantity

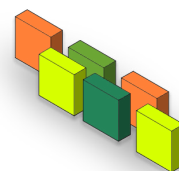


place order & check out

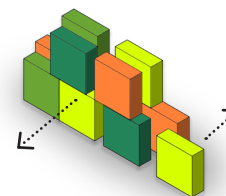
Market modules:



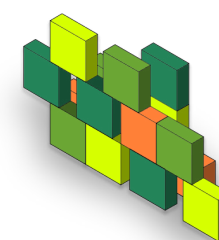
The vertical farm modules are built with lightweight materials, manufactured in the workshop, transported to the site and assembled in situ.



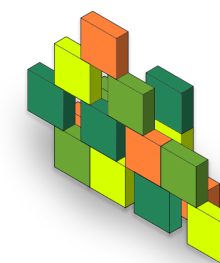
The place is determined based on demand, consumer habits data analysis and existing city zonings.



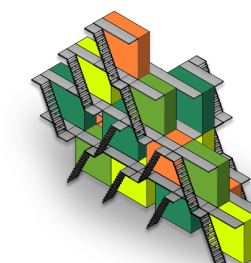
The number and location of modules may vary depending on changes in the analysis variables.



The addition of modules eventually forms a street market that extends vertically, due to the lack of free urban space.



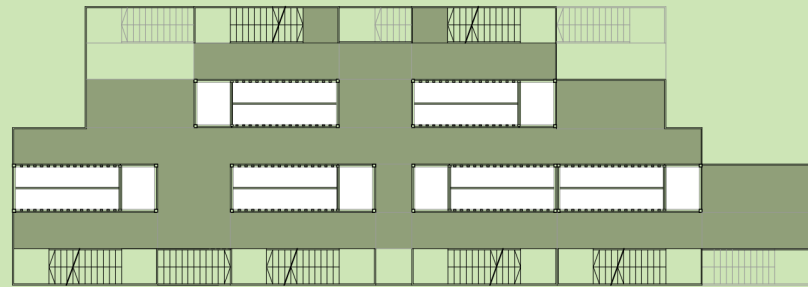
Eventually the street markets are consolidated and transformed into public spaces and a permanent part of the urban landscape.



floor plan ground level - scale 1/125



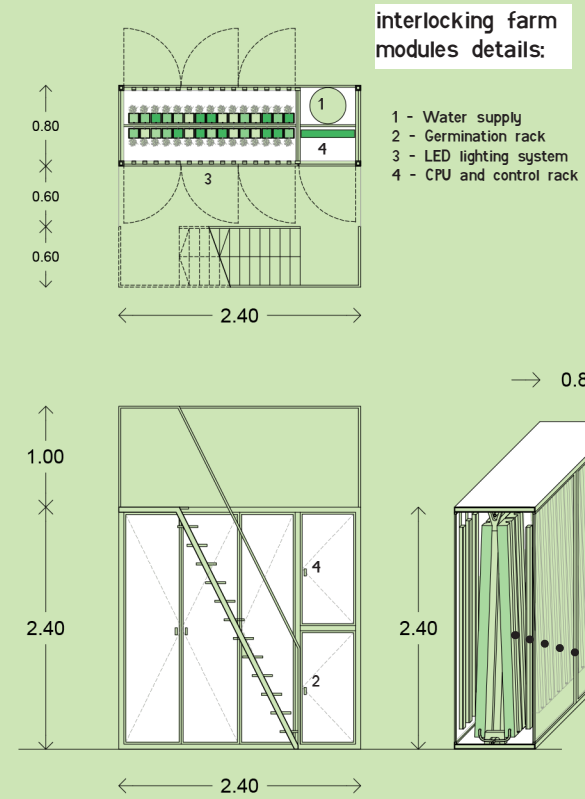
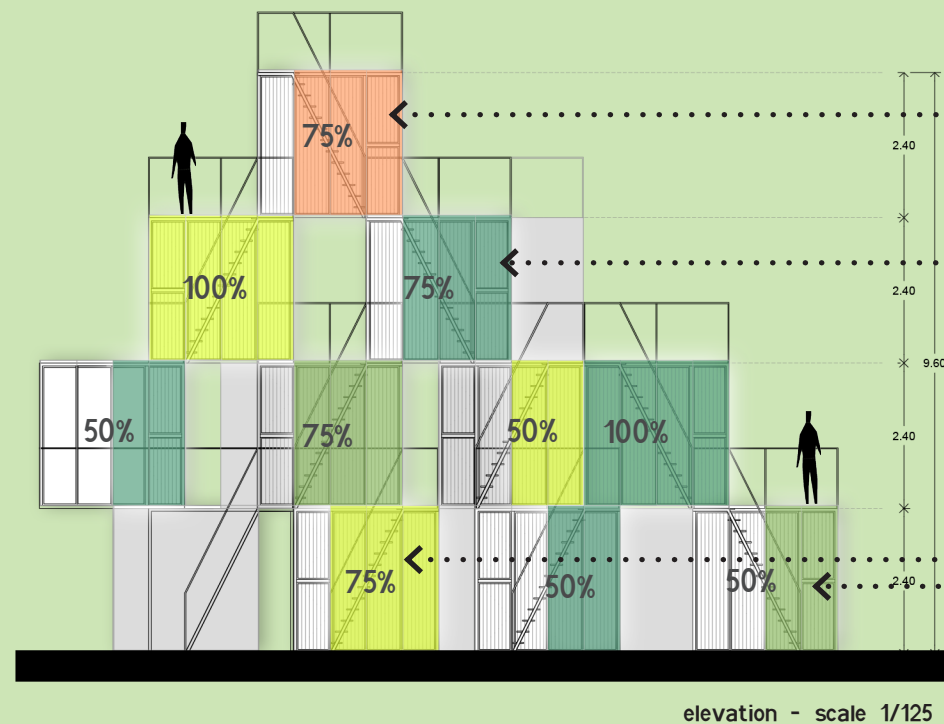
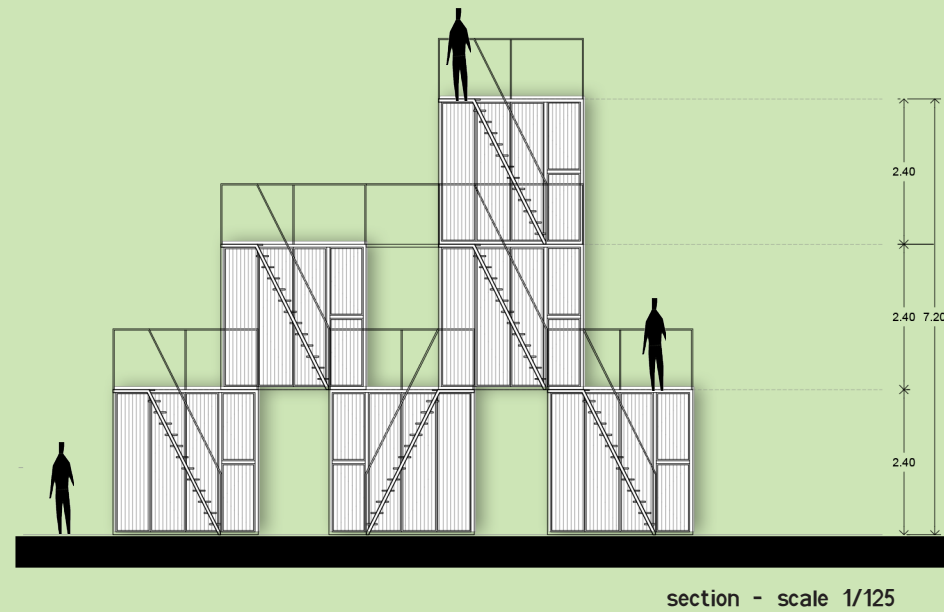
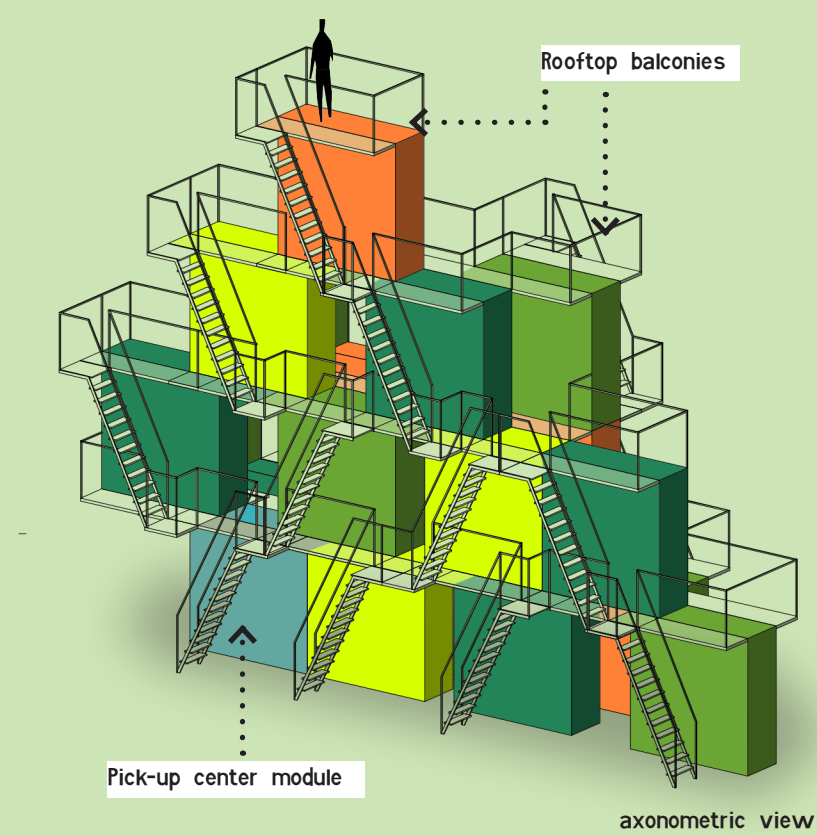
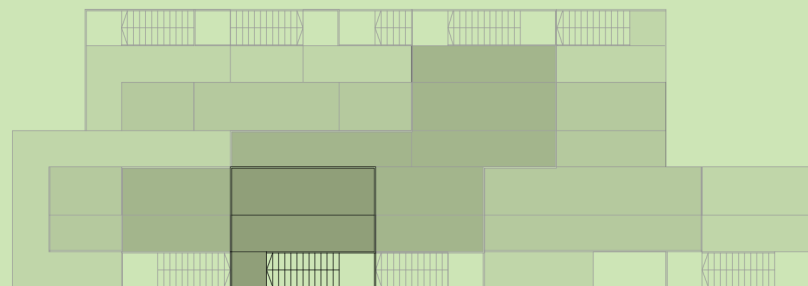
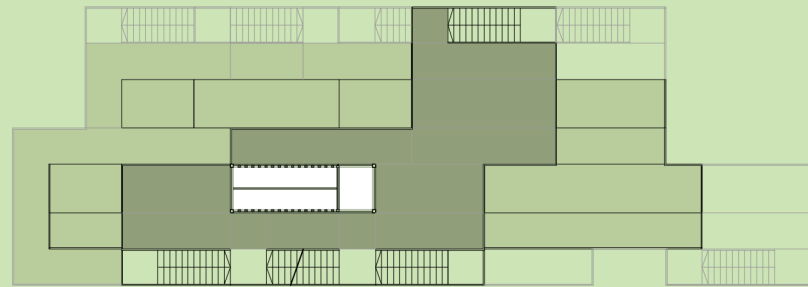
floor plan level 1 - scale 1/125



floor plan level 2 - scale 1/125



floor plan level 3 - scale 1/125



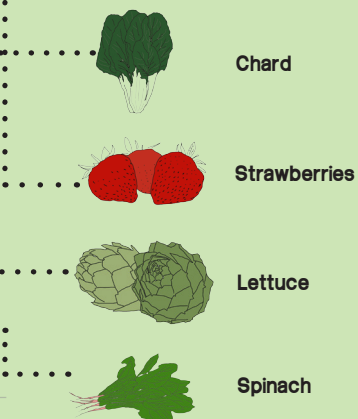
Modules Technical specs:

Interlocking modules are made from lightweight translucent materials as aluminium and polycarbonate sheets, this prefabricated system can be transported and easily interlocked with others modules, resulting in structures of variable and transformable forms over time.

A series of rules, both for producers and consumers, and also the analysis of information provided by growers, will ensure a standardized quality of the crops, a complete variety of products throughout the year and a positive impact on both the environment and the local economy. Each Module can only grow a single type of vegetable, ensuring, in this way, a balance in the offer of products.

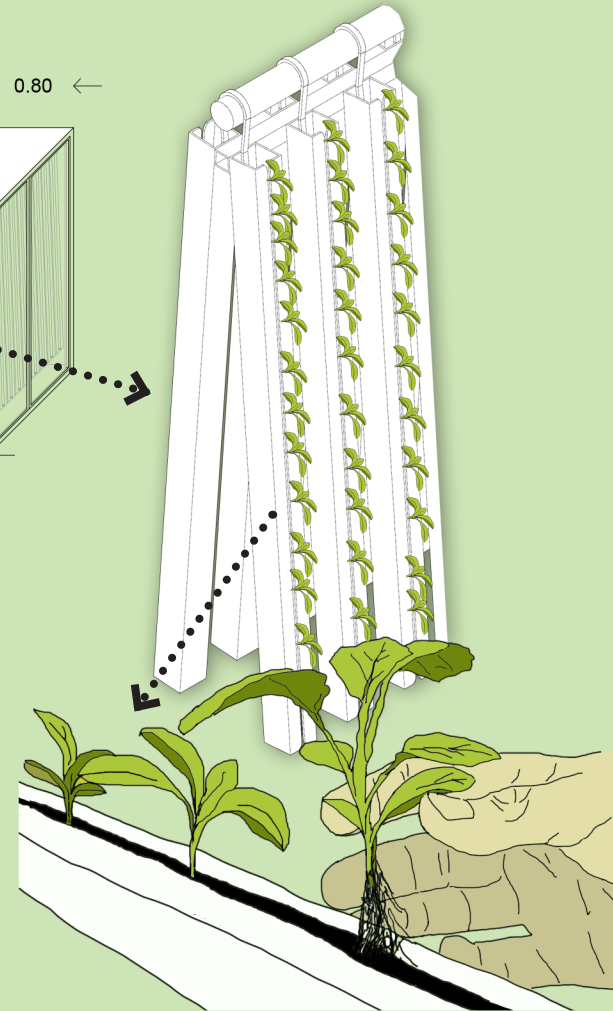
During night, customers can see stocks inventories of every produce due to the led skin that shows with a color graphic the percentage of product remaining.

Vegetables to grow include:



Growing towers:

Growing towers are made from rigid, food-safe PVC and are durable enough to hold up to even the toughest growing conditions for decades. Towers are manually placed by hanging from a tubular metal structure once seedlings are placed into them.



Technology:

Hydroponics is an agriculture technology for growing plants in nutrient solutions (water containing natural fertilizers) with or without the use of an artificial medium to provide mechanical support. Indoor hydroponics farms allow also to grow vegetables in a controlled environment without the use of agrotoxics and air pollution.

Take a Grow system is based on the *ZipFarm technologies*. This is a proved technology based on vertical hydroponic racks systems with automated led lights illumination and irrigation. It will be controlled by sensors connected to the cloud.

Productivity:

Each *Take a Grow* module can hold up to 30 growing towers, and proven crop yields that can be up to 5kg of produce per tower. Crops can turn as short as two weeks, depending on the growing vegetable. The maximum production capacity is, therefore, near to 150 kg per harvest and per module.