MAKE THE STREETS GREEN AGAIN !

In times of crisis and uncertainty, of deep social, political, economic and environmental changes, new paradigms emerge.

How to face the challenge of building a sustainable, green and resilient community in times of post truth and rising fundamentalism & fanaticism?

In the next years 70% of the population will live in cities. Urban densification appears as a solution in times of tight public budgets for services and infrastructure, but in the other hand, overpopulation, dwindling of natural resources, air pollution due the massive use of cars has push our cities to its limits of viability.

How can we transform our cities into resilient organisms that improves life qualities of its citizens? How to feed an increasing population in a decreasing traditional farms scenario, taking into account that over 80% of the land that is suitable for raising crops is in use?

Is in this scenario that indoor agriculture technologies and local street markets arises as a joint solution that provides with healthy food and improves local economies, without compromising the natural resources.

MTSGA is an initiative that seeks to transform current city centers into greener, sustainable and resilient structures, in the face deep social, economic and environmental challenges to come.

GOALS:

1- Expand and improve urban public space;
2- Promote biking and walking for urban commuting, as an alternative to cars;
3-Provide organic fresh food and promote a healthy alimentation;
4-Improve local economies through the value chain generated by the street markets;
5-Improve health, promote social interactions, and as a result: a better life quality.

URBAN AGRICULTURE

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ORGANIC FOOD LOCAL STREET MARKETS

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URBAN PARKS

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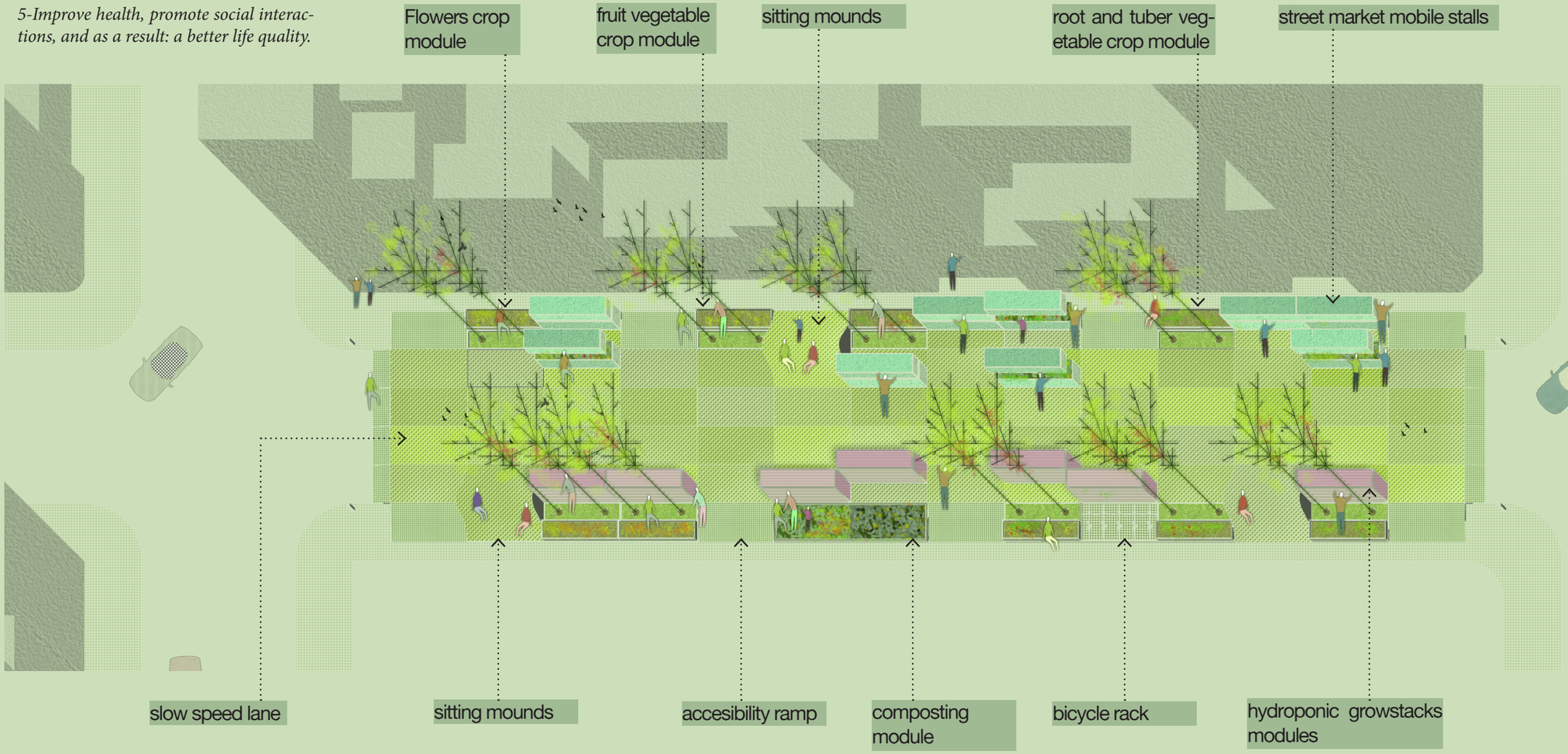
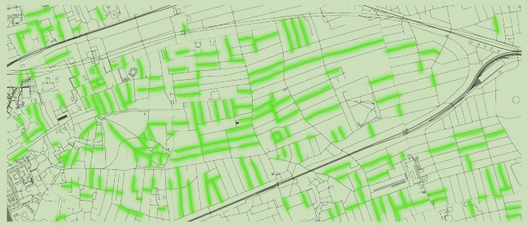
HYDROPONIC INDOOR FARMING



Secondary road application example / axo-plan

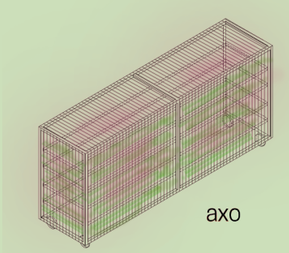
Design Specs:

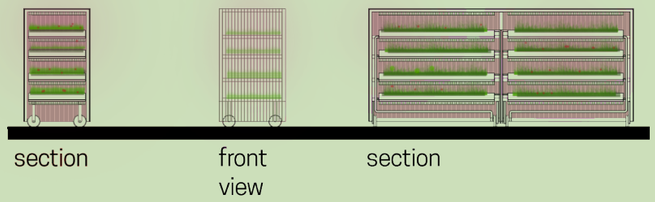
MTSGA it is based on a prefabricated modular system that can be replicated, gradually, in all secondary and low traffic roads of the city center.



Hydroponic Growstack Modules:

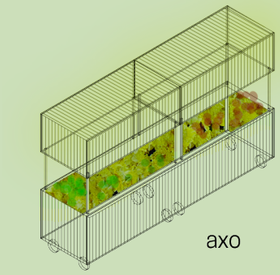
Using indoor farming technologies, this modular and mobile growstaks uses all automated watering and nutrient supplier and automated LED lighting system, all controlled by sensors connected to a CPU. In this way, local urban farmers can rent this modules and grow its own production.

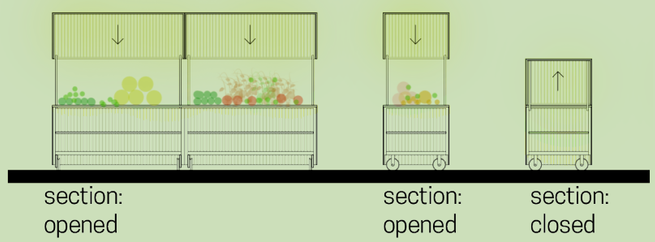




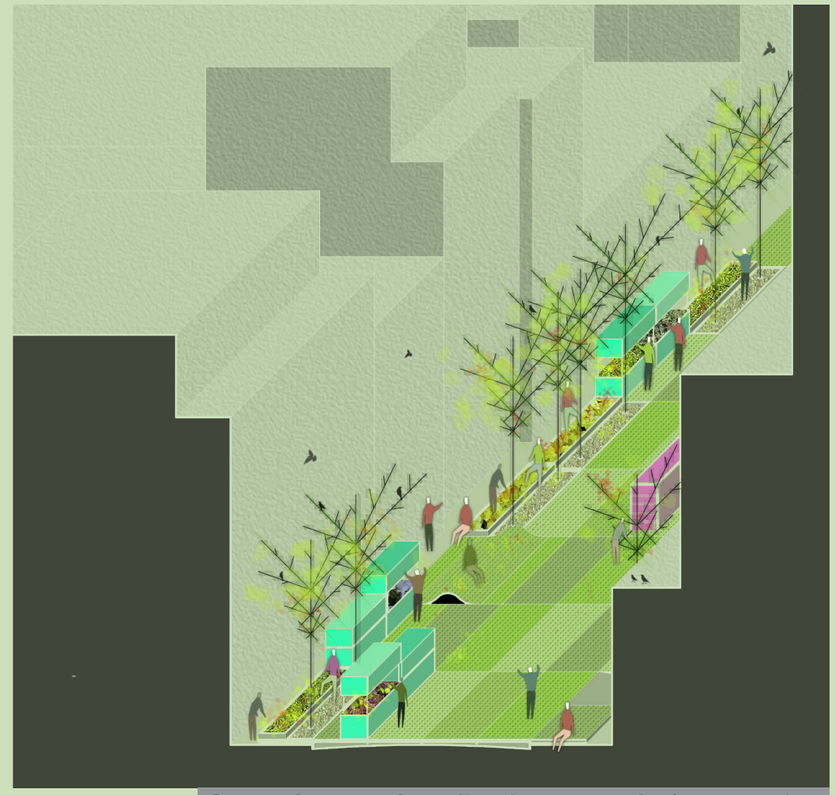
Street Market Mobile Stalls:

Made from lightweight translucent materials, this configurable stalls can be used either as a food vendor stall or as a mobile kitchen. Depending on days or hours this stalls can spread on to the street creating a food fair or fall back on rush hours.





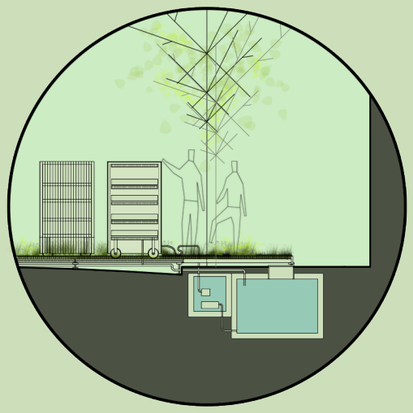
details



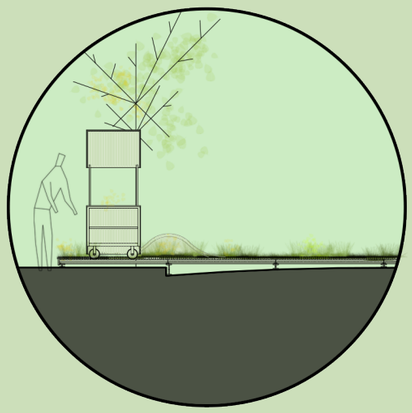
Secondary road application example / axo-section

Raised -*hydroponic grass*- floor

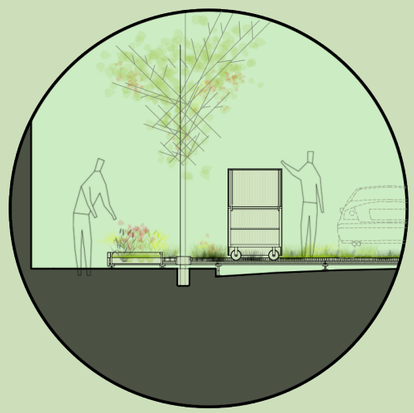
It's based on a modular light weight metallic reticular structure, assembled together upon the existing street, that acts as an urban linear park, but that is also the Market Stall's and Hydroponics Rack's supporting infrastructure, that provides with water, electricity and nutrients.



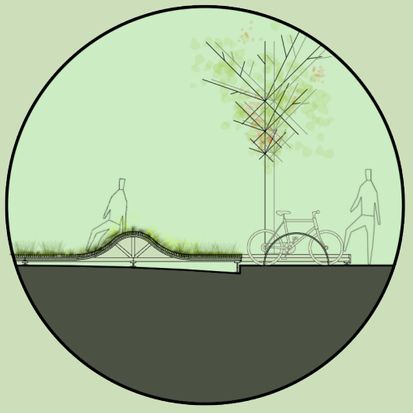
underground drainage and irrigation system detail



mobile stall detail



flowers crop modules detail



sitting mound detail