

BRINGING CONVENIENCE

Drones and Delivery :Robots deliver produce harvested to different parts of the city: apartment complexes, office buildings, etc.

Users are able to place orderse through our mobile app, eliminating the need to go to grocery stores.



BUILDING COMMUNITY BONDS

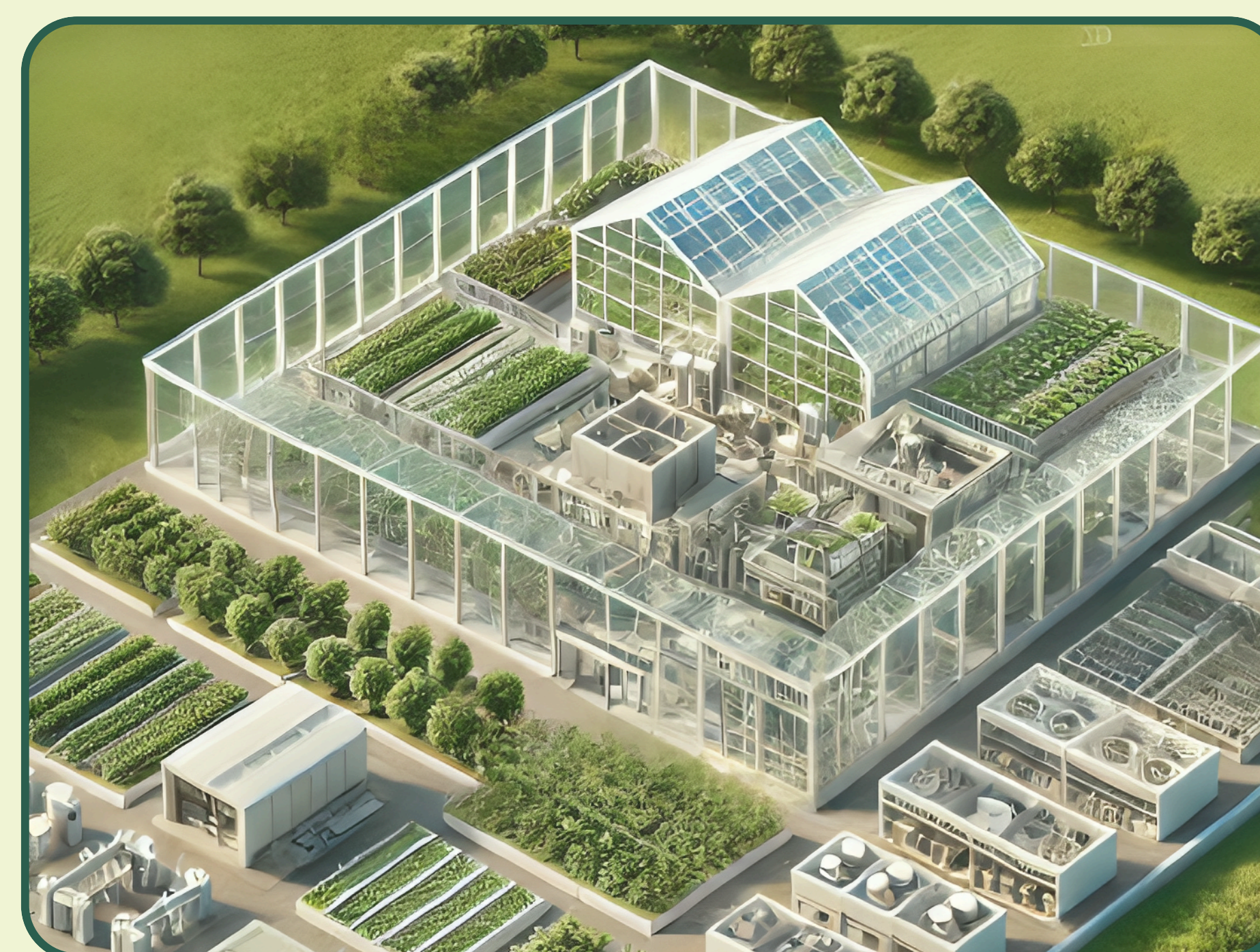


Our community spaces bring people together by allowing them the opportunity to bond with others through farming, learn more about agriculture, and even contribute to the farming activities themselves.

REGIONAL CONTEXT MAP

We plan to implement Vertical Roots into more densely-populated cities, making it easier to build community bonds. Deliveries will also be closer in distance, meaning less energy consumption. Cities that get more sun exposure are also a good fit.

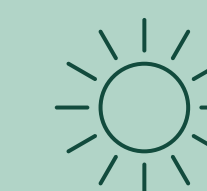
Example Area: Bishan Neighborhood, Singapore



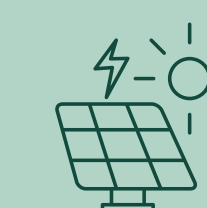
VERTICAL FLOOR PLAN



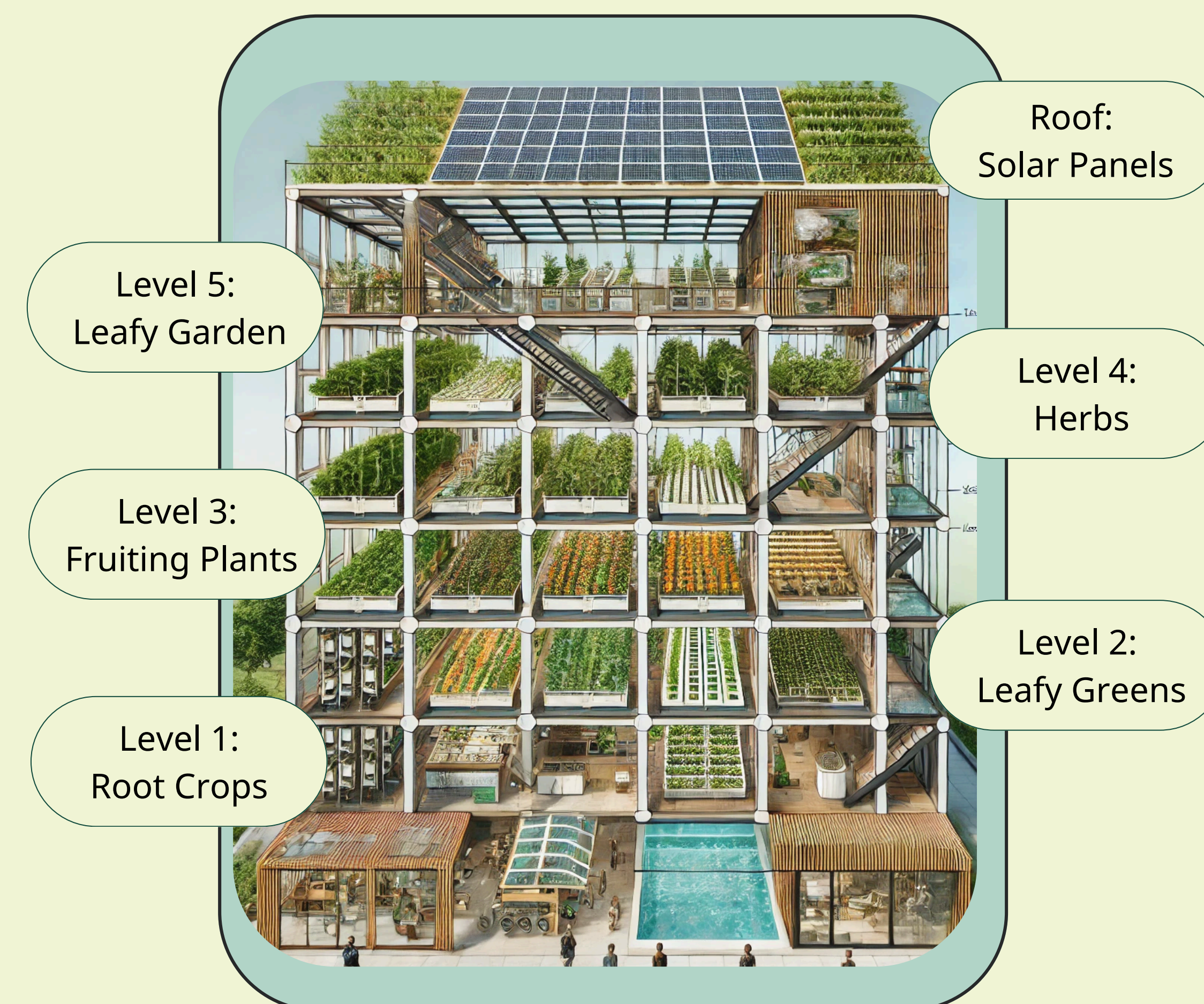
The water harvesting system collects and utilizes rainwater for sustainable irrigation.



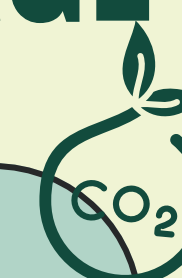
Glass allows sunlight to enter from all directions, maximizing natural light exposure.



Solar panels on the roof provide renewable energy to power the building's operations.



CARBON CAPTURE/STORAGE







By capturing and storing carbon emissions in our CCS facilities from our regenerative farming and energy generation processes underground, we can significantly reduce our carbon footprint, prioritizing sustainability.

A WIN-WIN FOR EVERYONE

We reduce the price of groceries, as there will be no mark-up from supermarket chains, while producing higher-quality produce at the same time. Lastly, by using regenerative farming practices, and carbon capture/storage, we keep the environment healthier than ever.



-  Mom of 2 Kids
-  City Dweller
-  Nature Lover
-  Workaholic

Cathy explores various spaces and takes her kids to an educational facility to learn about regenerative farming and sustainability. They also taste fresh crops from Vertical Roots.

- Learns about Vertical Roots
- Introduces family to Vertical Roots spaces
- Enrolls kids in educational programs

Explore the Solution



Discover the Need

- Urban family seeks nature connection
- Desire for fresh, healthy food



Embrace the Lifestyle

- Tastes and enjoys fresh produce
- Actively participates in the community (app, food waste)
- Witnesses children's growing interest in sustainability



Inspire Change

- Tastes and enjoys fresh produce
- Actively participates in the community (app, food waste)
- Witnesses children's growing interest in sustainability