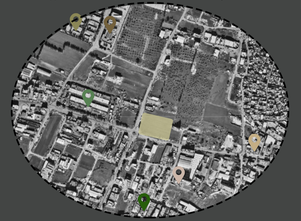
Vertical Farming Center " LAYERS OF LIFE " – An Integrated Farming Experience

Site Analysis

1 The site is strategically located in Askar – Nablus, in a densely" populated area near three major refugee camps: Old Askar, New Askar, ".and Balata, enhancing its community impact and accessibility

2 The project is strategically located within the industrial zone in Askar, .specifically on Al-Hasbah Street, one of the main streets in the area

3 Vertical farming near food factories and universities boosts efficiency, .supports innovation, and offers hands-on learning for students

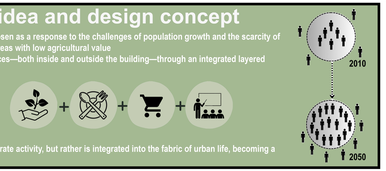


Philosophical idea and design concept

The vertical farming center project was chosen as a response to the challenges of population growth and the scarcity of .agricultural land, especially in industrial areas with low agricultural value
The project aims to utilize all available spaces—both inside and outside the building—through an integrated layered :system that combines

- Agriculture and food production
- Education and interactive experiences
- Environmental sustainability
- Recreation and community engagement

Agriculture is not presented here as a separate activity, but rather is integrated into the fabric of urban life, becoming a .living architectural element



Concept

The concept is based on organizing the project through a flexible design grid that integrates architectural elements with planted spaces. This grid not only serves the structural system, but also functions as a tool to utilize every possible space for ".agriculture—both horizontally and vertically—transforming a low-value land into a productive ecological system

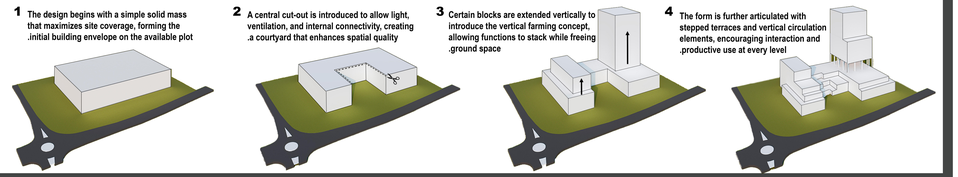
Form Development

1 The design begins with a simple solid mass that maximizes site coverage, forming the .initial building envelope on the available plot

2 A central cut-out is introduced to allow light, ventilation, and internal connectivity, creating .a courtyard that enhances spatial quality

3 Certain blocks are extended vertically to introduce the vertical farming concept, allowing functions to stack while freeing .ground space

4 The form is further articulated with stepped terraces and vertical circulation elements, encouraging interaction and .productive use at every level

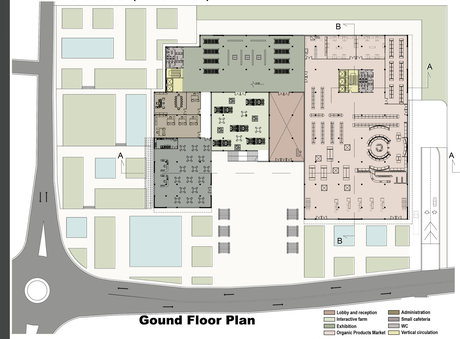


Elevations (scale 1: 250)

South Elevation | West Elevation | North Elevation | East Elevation

Site Plan

Plans (scale 1: 250)

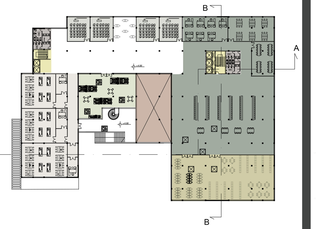


Gound Floor Plan

- Lobby and reception
- Interactive farm
- Exhibition
- Organic Products Market
- Administration
- Small cafeteria
- WC
- Vertical circulation

Basement Floor Plan

- Parking
- Storage
- WC
- Vertical circulation

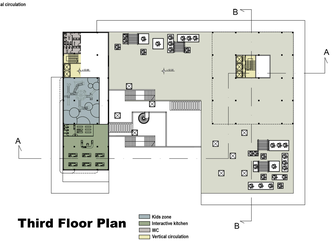


First Floor Plan

- Lobby and reception
- Interactive farm
- Training Center
- Research Laboratories
- Educational Classes
- Library
- WC
- Vertical circulation

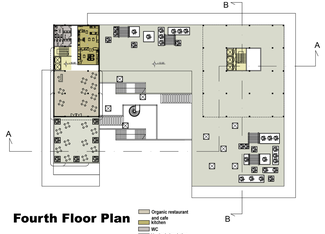
Second Floor Plan

- Interactive farm
- Food Court (Salad corner, juices, baked goods, herbs and tea, vegetarian foods, Palestinian food)
- Multi purpose room
- Kiosks (Miniature plant booth, seeds for planting, oils, pickles, jams, herbs)
- WC
- Vertical circulation



Third Floor Plan

- Kids zone
- Interactive Kitchen
- WC
- Vertical circulation



Fourth Floor Plan

- Organic restaurant and cafe
- Kitchen
- WC
- Vertical circulation

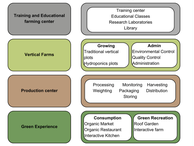
Fifth Floor Plan

- Organic restaurant and cafe
- Kitchen
- Vertical circulation
- Traditional vertical plots
- Hydroponics plots
- WC

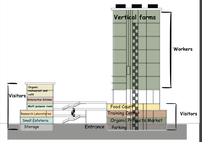
6th to 13th Floor Plans

- Traditional vertical plots
- Hydroponics plots
- Vertical circulation

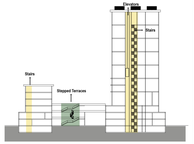
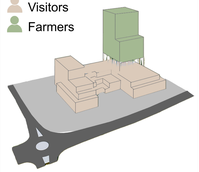
Project Programe



Vertical Zoning



Vertical Circulation



Visitors
Farmers