





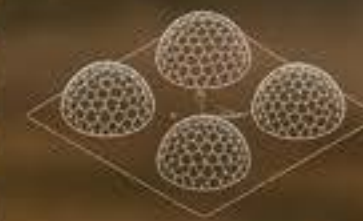
LEGEND



1. Vertical Farm Hub



3. ECO-HOUSING COMMONS WITH SOLAR SKINS



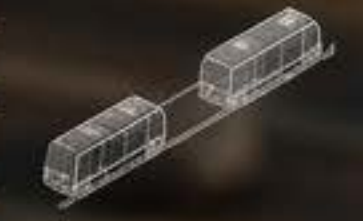
4. ECO-LIVING COMMONS



5. AQUAPONICS WATER RECYCLING SYSTEM



6. AUTONOMOUS AV POD LINE



6. Autonomous AV Pod Line

1. BIOMORPHIC VERTICAL FARM HUB & MARKET

- Detailed multi vertical farming with integrated research labs, automated seed handling, and public marketplace.
- Re-typeset signs on the building are in arabic and english, perfectly rendered.

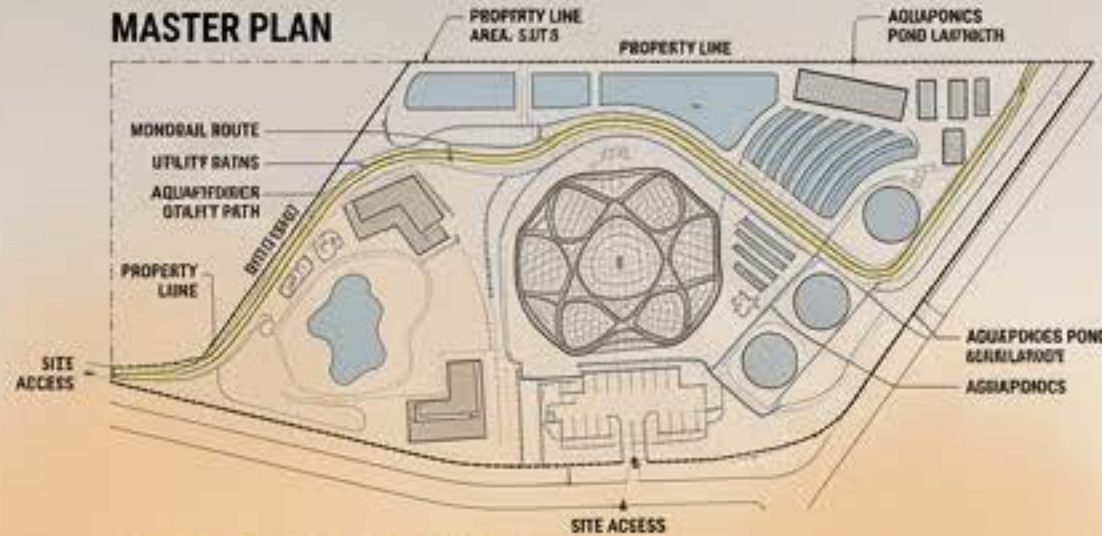
2. ADVANCED AEROPONICS FIELD PODS

- Advaponics are-aeroponics with ansient systems
- Aquaponics orotes an nutrient plant pods.

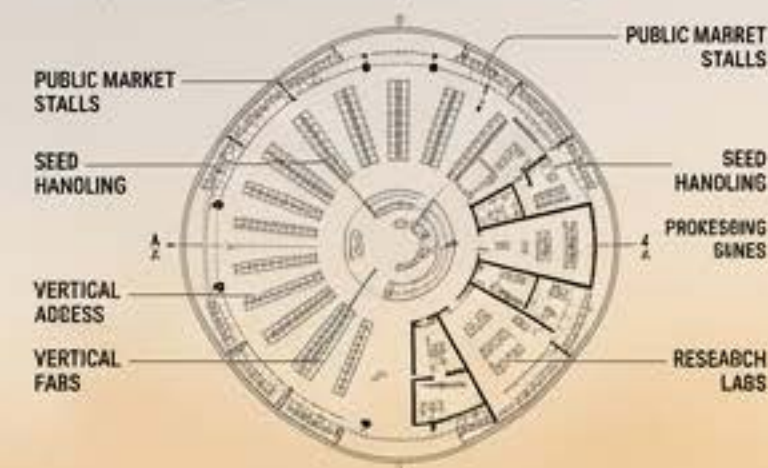
3. ECO-HUSING COOPONES WITH SKINS

- Eneuated drought-tolerant and caopces
- Naturally filtered swimming pool and parking lot.

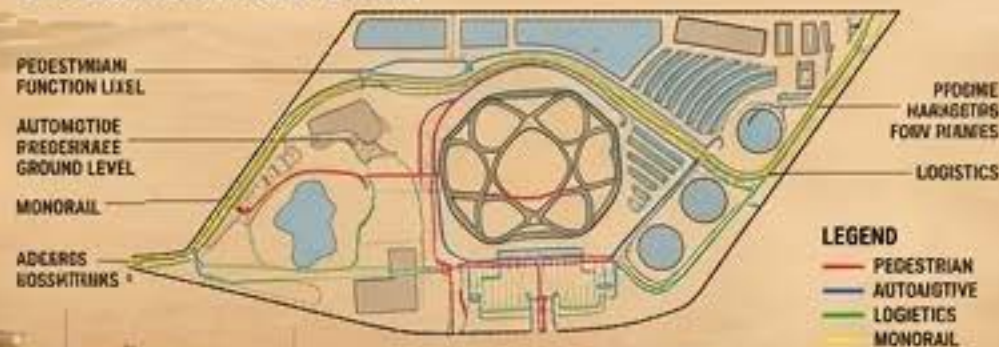
MASTER PLAN



GROUND FLOOR PLAN - CENTRAL HUB



CIRCULATION FLOW STUDY



GROUND FLOOR PLAN - ECO-LIVING UNIT



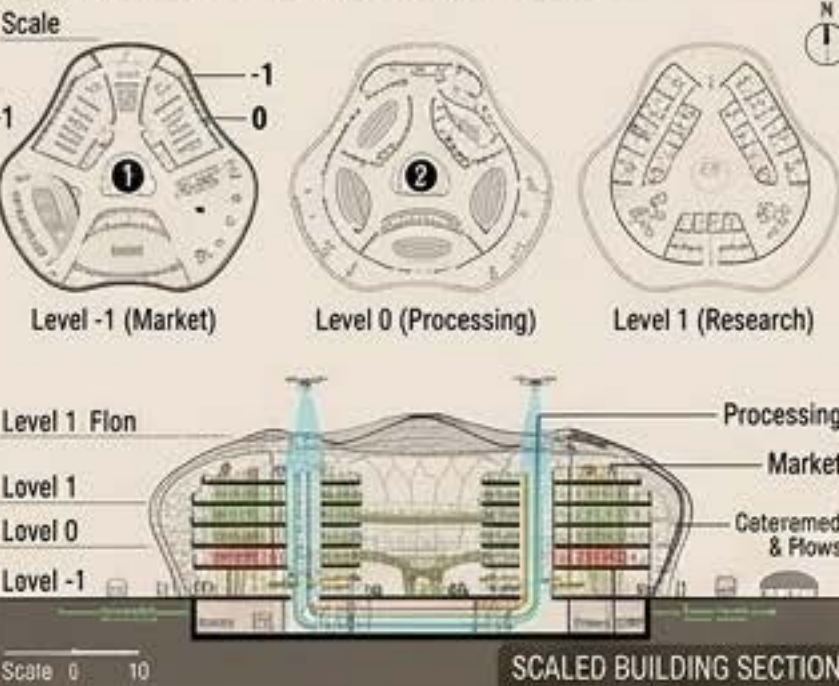




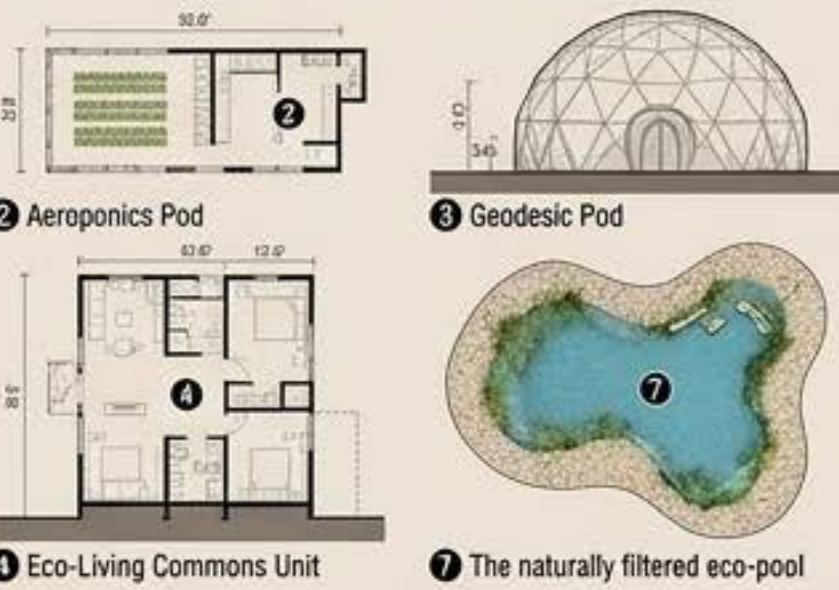
LEGEND & CALLOUTS

- 1 Biomorphic Vertical Farm Hub
- 2 Vertical Farm Hub
- 3 Aeroponics Array
- 3 Geodesic Pods
- 4 Eco-Living Commons Unit
- 5 Aquaponics Systems
- 6 Elevated AV Shuttle Pod Line

ARCHITECTURE PLANS: CENTRAL HUB



ARCHITECTURE PLANS: TYPOLOGIES



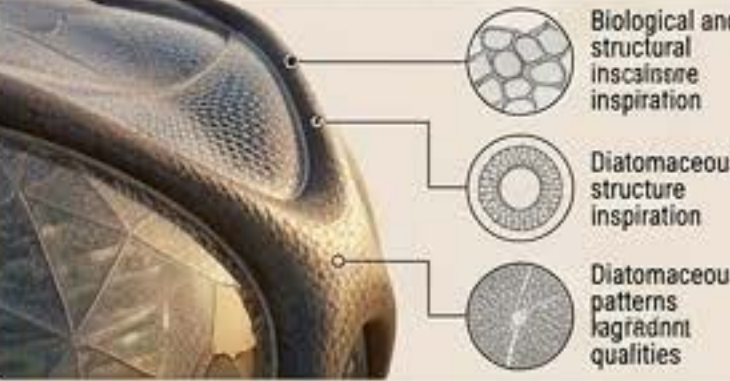
CIRCULATION HIERARCHY & URBAN FLOWS



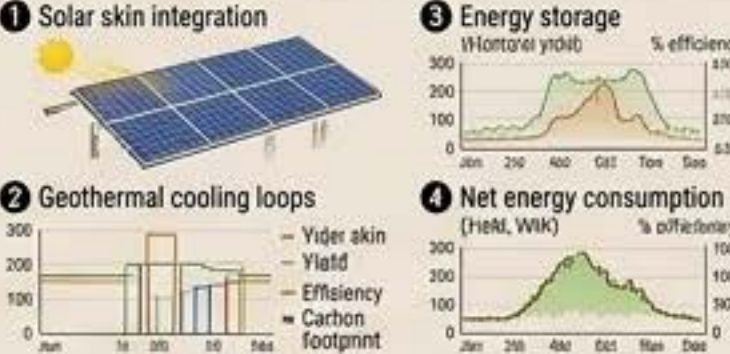
CONTEXT MAP: DESERT OASIS LINK



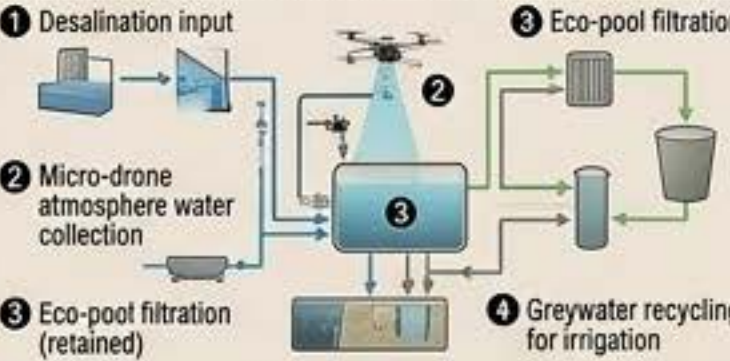
BEAUTY OF FORM: BIOMORPHIC STUDY



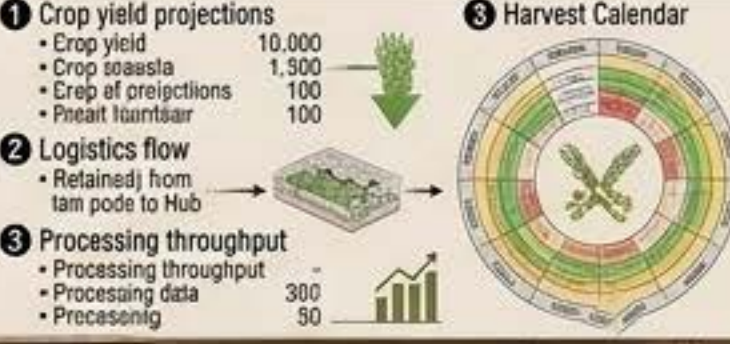
SUSTAINABILITY & ENERGY STUDY: NET-ZERO FOCUS



WATER LIFE STUDY: COLLECTION & RECYCLING



FOOD PRODUCTION & LOGISTICS ANALYSIS



PANEL 1: MASTER PLAN OVERVIEW



A grand aerial perspective illustrating the full ecological and urban connection between the smart farm and the distant metropolis.

PANEL 2: BIOMORPHIC VERTICAL FARM HUB & MARKET



Detailed close-up of the biomorphic composite lattice-frame structure, showcasing the integrated vertical farms and ground-level market experience.

PANEL 3: ECO-HOUSING TYPOLOGIES & AMENITIES



Mid-shot of the eco-living modules, geodesic domes, and aquaponics water systems, integrated with renewable energy and monorail transport typologies.

PANEL 4: INTERNAL PROCESSING & MARKET EXPERIENCE

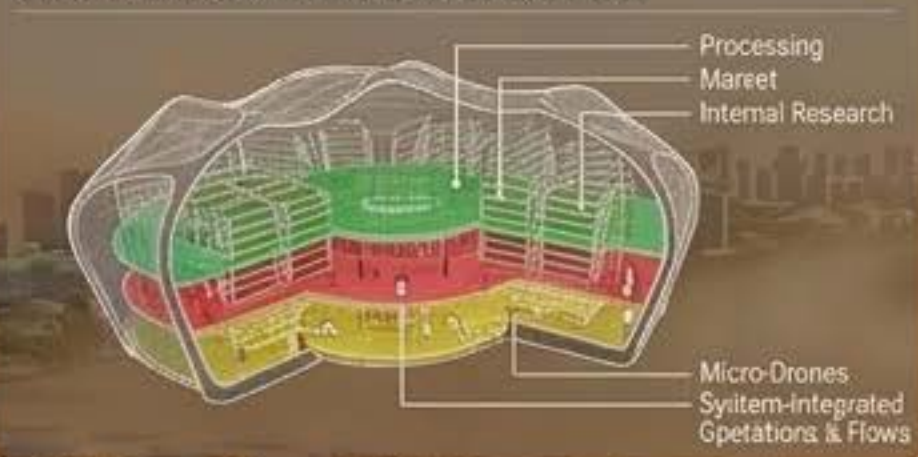


Focused interior shot from the Main Hub, showcasing internal high-tech processing, vertical farms, and views across the desert.

LEGEND

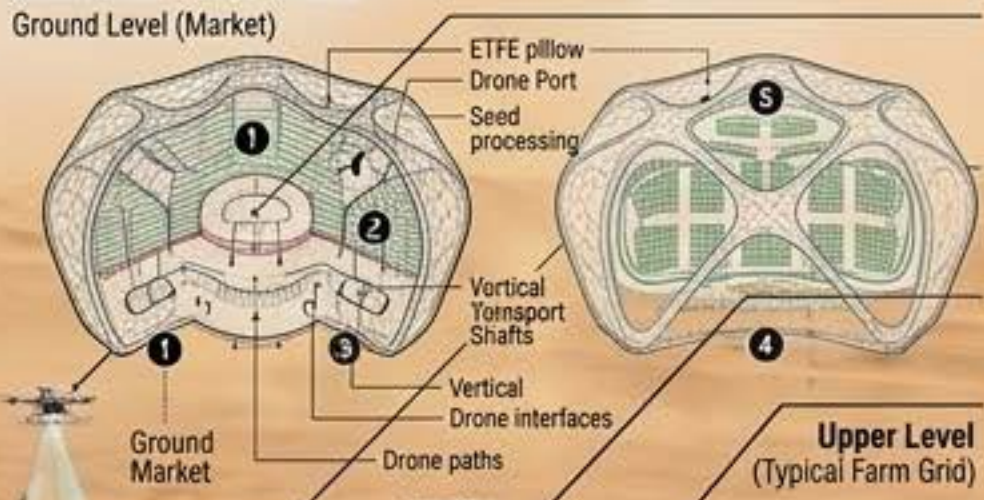
- 1. AEROPONICS ARRAY
- 3. GEODESIC PODS
- 4. ECO-LIVING COMMONS
- 5. AQUAPONICS SYSTEMS
- 6. Aquaponics Systems
- 6. Autonomous AV Pod Line

CIRCULATION HIERARCHY & FLOW



- PEDESTRIAN FLOW**
 - Primary Pedestrian Axis
 - Hub Public Access
 - Residential Connector Paths
- AUTOMOTIVE & SERVICE FLOW**
 - Road Network Flow
 - Delivery Service Access
 - Market Distribution Route
- OPERATIONS & LOGISTICS FLOW**
 - Drone Flight Path
 - Internal Logistics Chain
 - Vertical Farm Hub Input/Output
- DEDICATED AV POD LOOP**
 - Inter-Zonal Transport

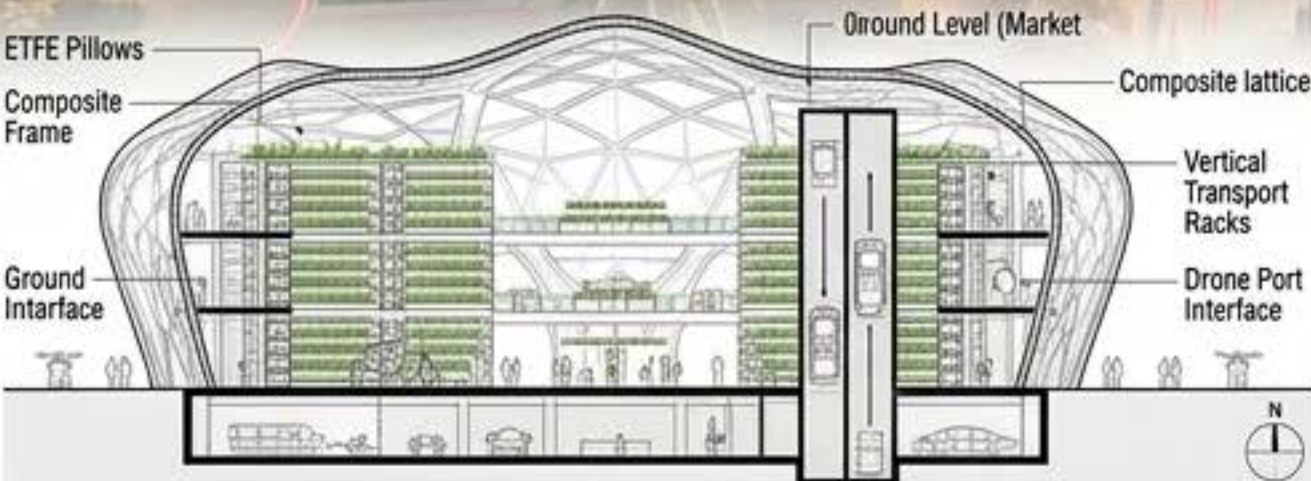
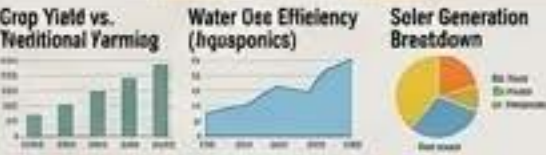
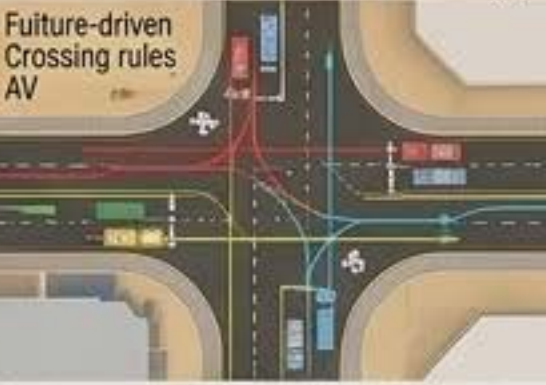
Main Hub Floor Plans



- 1. **BIOMORPHIC VERTICAL FARM HUB & MARKET**
 - Bioerobic vertical Nervest & Market
 - Seed-plant-liss, orosara and seed-planter
 - Aatavnavated vertical harvest drenes
- 2. **ADVANCED AEROPONICS FIELD PODS**
 - Tmwsncral Aeroponics with anttent syetems
 - Avraponics erexx an nuftrfent plant syetems
- 3. **ECO-HOUSINS COMMONS WITH SOLAR SKINS**
 - Goadecic PGG: GrewelKG UhlTS
 - Aquaponics Water Recycling System
- 6. **ELEVATED AV SHUTTLE POD LINE**
 - Naturel Mtered Skimming Eco-Pool
 - Parking LOT with Solar Canopies
- 5. **AQUAPONICS WATER RECYCLING SYSTEM**
 - Futurepazzawe-proof crops and native plant crops.



AV-Road Junction Control Strategy



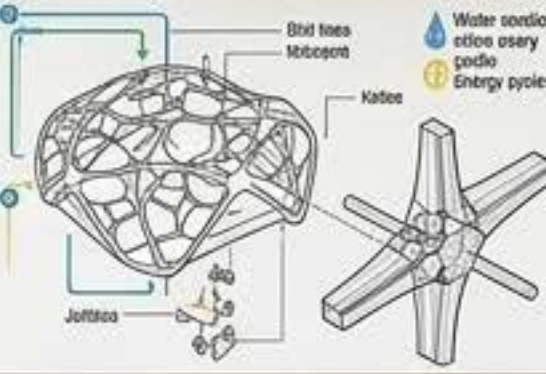
Longitudinal Section of Hub

Eco-Living Floor Plan: Typical



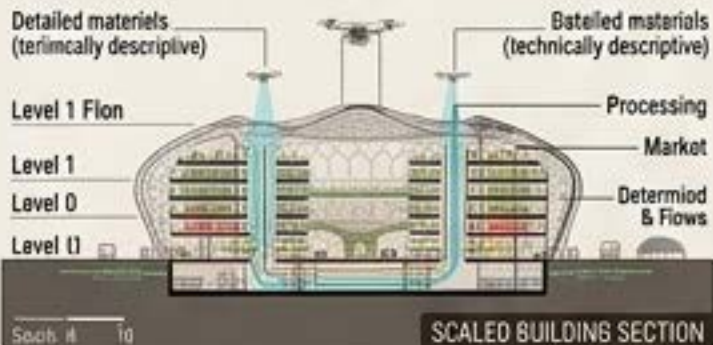
Cross-Section through Eco-Living & Aquaponics

CIRCULATION FLOW SUSTAINABILITY



TECHNICAL AXONOMETRIC & RIMOMETRIC

SCALED BUILDING SECTION



SCALED BUILDING SECTION

ARCHITECTURE PLANS: TYPOLOGIES



2 Aeroponics Pod



3 Geodesic Pod



5 Eco-Living Commons Unit



7 The naturally filtered eco-pool

REFINED SUSTAINABILITY & ENERGY, NET-ZERO FOOD

1 Solar integration



AV-Roood cooling large



Level 0 (Processing)

Scale



Level 1 (Market)

ARCHITECTURE PLANS: CENTRAL HUB

Scale



Level -1 (Market)

Level 0 (Processing)

AV-ROAD JUNGIO FOOD ANALYSIS

Scale



Level -1 (Market)



Level 0 (Processing)



Level 1 (Research)

Level 0 (Processing)



Level 0 (Processing)

Level 1 (Research)



Level 1 (Research)

DESCRIPTION LIST

1 BIOMORPHIC VERTICAL FARM HUB & MARKET

Biomorphic vertical farming hub & marketplace, automated seed-planting and seed-processing, automated vertical harvest drones.

2 ADVANCED AEROPONICS FIELD PODS

Advanced aeroponics with automated systems. Automated air & nutrient mist systems.

3 ECO-HOUSING COMMONS WITH SOLAR SKINS

Tiered eco-housing Commons with integrated solar skins and net-zero energy systems.



PANEL 1: BIOMORPHIC HUB INTERIOR & MARKET



PANEL 2: AEROPONICS FIELD POD - GEODESIC DETAIL



PANEL 3: ECO-HOUSING COMMONS - DWELLING VIEW



PANEL 4: AUTONOMOUS AV POD INTERIOR & PANORAMA



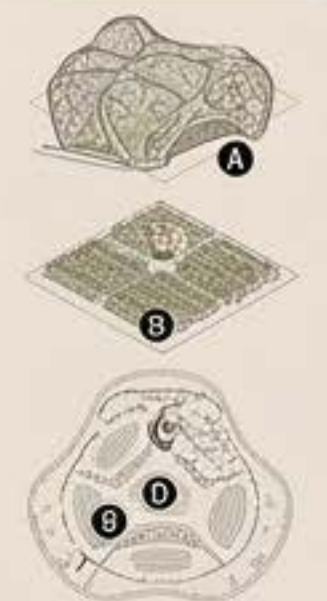


DESIGN COMPONENT DIRECTORY

DETAIL CLOSE-UP OF ECO-LIVING & AMENITY

SUNSET/NIGHT WIDE CINEMATIC

- A** Biomorphic Hub & Market
 - B** Eco-Living Commons
 - C** Aeroponics Array Pods
 - D** Geodesic Research Pods
 - E** Aquaponics Systems
 - F** Autonomous AV Pod Line
 - G** Naturally Filtered Eco-Pool
- Central Hub Levels



A3. DETAIL CLOSE-UP OF ECO-LIVING & AMENITY

A4. SUNSET/NIGHT WIDE CINEMATIC