THE LIVING PLANT
CONTENTS

FASCINATION
RESEARCH
URBAN CONTEXT
CONCEPT
DESIGN
GREEN HYPE

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN

Alterra by Behnisch (behnisch.com)

Fukuoka Prefectural International Hall by Emilio Ambasz and Associates (emilioambaszandassociates.com)

New Urban Village Proposal by Zotov & Co (studiodror.com)

Paviljoen J&J Floiaade 2012, Venlo, NL
USE PLANTS TO CLOSE LOCAL CYCLES
- One square meter of green living wall is able to handle 350 m³ of waste office air each hour to outside air conditions.

- Systems in which air passes the root system of the plants are considered to be at least 100 to 200 times more effective than just potted plants.
- Depending on the system, between 4 m² and 12 m² is needed to treat a daily amount of 1000 liter of sewage.

- Outside constructed wetlands need 24 m² to 40 m² to daily treat 1000 liter of sewage.
FOOD

- Each crop has different nutrient needs.
- A soil-based system uses more water than hydroponics
- One hectare of polydome could provide 80% of the fruits and vegetables for 2000 people.
LOCATION

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN

BRETTENZONE

HAARLEM

SLOTERDIJK STATION

WESTERPARK

CITY CENTRE
GREEN STRUCTURE

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN

high to low natural value according to municipality
STEPPING STONE

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN

- Commuters - Passive
- Visitors - Active
- Recreationists - Recreative

User groups closing local cycles

People streams

Broken green structure
ADD STEPPING STONE TO FIX GREEN STRUCTURE
MEETING POINT

CREATE MEETING POINT TO CONNECT DIFFERENT PEOPLE
CONNECT THROUGH GREEN EXPERIENCE
CONCEPT

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN

STEPPING STONE
MEETING PLACE
CLOSING CYCLES
EXPERIENCE GREEN
CONCEPT

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN

STEPPING STONE
MEETING PLACE
CLOSING CYCLES
EXPERIENCE GREEN

PARK
SQUARE
PAVILIONS + ROUTE
ELEVATED WEB
PARK ENTRANCES
CLOSING THE CYCLE

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN

COLLECT

GROW/PURIFY

CONSUME
MAIN ROUTE

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN
COLLECT PHASE
FAÇADES

COLLECT

GROW/PURIFY

CONSUME

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN

THE LIVING PLANT - FRAGMENTS

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detail 1a
detail 1b
detail 1c
detail 2a
detail 2b
detail 3a
detail 3b
INEDIBLE

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN
FRUITS + NUTS

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN
PAVILION
SETTLING
MID-STAGE MARSH

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN

MID-STAGE MARSH

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN
HERBS + VEGETABLES

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN
FINAL MARSH

FASCINATION RESEARCH CONTEXT CONCEPT DESIGN
CONSUME
ENTRANCE MAIN ROAD
ELEVATED WEB
QUESTIONS?