WILLEM VAN RIJN AS A COMMUNITY CULTURAL HUB

RMIT Msc 3 Mixed Projects Studio (2012-2013): P5 Presentation
Helen Hiu Ning Tai 4186664
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Site Context
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1.1 - LOCATION

Willem van Rijn
Landlust
Bos en Lommer
Amsterdam CS

Source: H.N.Tai
INHABITANTS:
- young (aged 50 or above: 14%)
- multi-nationalities (especially in Landlust: 127)
- small home, social housings

INCREASING POPULARITY:
- between city center and suburbs (nature)
- affordable housing

Source: Gemeente Amsterdam
1.2 - SOCIAL ASPECT, BOS EN LOMMER

AMSTERDAMSE WIJKAANPAK
- Bos en Lommer under ‘Amsterdam Neighborhood Approach’
- a joint program of the government, residents, community organizations, etc to improve social problems in the neighborhood

SOCIAL PROBLEMS:
- social isolation
- poverty, unemployment

MUNICIPALITY GOAL:
- providing more community facilities
- small business to strengthen local economy

Source: Gemeente Amsterdam
WILLEM VAN RIJN AREA WILL BE REDEVELOPED
-potential to improve relationship with adjacent neighborhoods, Brettenzone and FCA

PRESENT

FUTURE

mixed (living and working)
industry
residential
2.2 - WILLEM VAN RIJN AREA

**CURRENT PROBLEMS**
- Little connection with surrounding neighborhoods
- Industrial area not functioning at night
- Little relationship with water

**MASTERPLAN PROPOSAL**
- Improve accessibility to and from nearby neighborhoods
- From industrial area to living and working area
- Proximity to water
2.2 - WILLEM VAN RIJN AREA

MASTERPLAN PROPOSAL
- improve accessibility to and from nearby neighborhoods
- from industrial area to living and working area
- proximity to water

- dwellings
- business/shop
- community/cultural
Site Context
1 - Site introduction
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Building Redesign
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5 - Interventions
3.1 - CHOICE OF PROGRAM

CURRENT:

- Currently housing creative offices with vacancy

PROPOSAL:

Addition of community functions in the building
- improve social cohesion in Landlust
- community and artists mutually benefit
COEXISTENCE, COHESION

USERS: inhabitants of different backgrounds and artists
FUNCTIONS: existing artist and new community functions
ARCHITECTURE: existing phases and new addition
4.1 - BACKGROUND

N.V. Willem van Rijn

-Phase 1 (1938) by B. Merkelbach & Ch.JF Karsten
-Phase 2 (1960) by B. Merkelbach & P. Elling
-Phase 3 (1967) by office of P. Elling

Da Vinci Bedrijvenhuis
since 1996
4.1 - ARCHITECTURAL VALUES

- layering of time/ coexistence of different phases *

- closed facade at phase 3 ground floor

- underused courtyard (carparking)

- basement: detach from program above
4.1 - ARCHITECTURAL VALUES

LAYERING OF TIME/ COEXISTENCE OF DIFFERENT PHASES

1938 (Phase 1) - brick

1960 (Phase 2) - brick - metal panel on bridge

1967 (Phase 3) - brick - concrete panels

Source: H.N. Tai
4.1 - ARCHITECTURAL VALUES

LAYERING OF TIME/ COEXISTENCE OF DIFFERENT PHASES

PHASE 1 & 2
Structure vs Material (Phase 1 & 2):
- Beams: concrete, steel, wood
- Columns: concrete, steel
- Slab: wood
- Wall: load-bearing brick wall
- Piles: wood
- Foundation: concrete

PHASE 3
Structure vs Material (Phase 3):
- Slab, Beam, Column, Piles, Foundation: concrete

GROUND FLOOR
Concrete pile cap (pad foundation)
Concrete piles

TYPICAL FLOOR
Concrete column head

Source: H.N. Tai
5.1 - INTERVENTIONS

**INTERVENTION:**
3+1 PHASES & COURTYARD (coexistence of different phases)

![Diagram showing the phases and courtyard](image)

**Phase 1**

**Phase 2**

**Phase 3**

**New phase:**
new expression for addition of new functions

courtyard (unifying different phases)

Phase 3 (modification)
5.2 - PROGRAM

Phase 1 & 2: existing artist studio and workshops

New Phase: community functions (more general)
- media library
- community hall & canteen

Phase 3 (modification): community functions (more art-related)
- community classes
  (music, photography, painting, wood & textile workshop, acting & dance studio)

art-related(community):
- community classes

more general(community):
- community hall
- canteen
- library

existing cultural + new community
5.2 - FROM OUTSIDE TO BUILDING

from Teleport Brettenzone (metropark)
Western gas factory
from neighbourhoods
water, green
5.3 - FROM BUILDING TO COURTYARD

DIFFERENT PHASES & FUNCTIONS COME TOGETHER

CONNECTION WITH ADJACENT GREEN & WATER
5.3 - FROM BUILDING TO COURTYARD

LANDSCAPE IN COURTYARD
- catering for artist/community/mixed uses
5.3 - FROM BUILDING TO COURTYARD

BASEMENT IS OPENED UP AND WORKS WITH COURTYARD
5.3 - FROM BUILDING TO COURTYARD

BASEMENT IS OPENED UP AND WORKS WITH COURTYARD
A. OPEN UP WALL & BASEMENT IN PHASE 3

SW ENTRANCE

CURRENT

PROPOSED DESIGN

COURTYARD
5.4 - NEW PHASE: MEDIA LIBRARY

B. STRUCTURE
5.4 - NEW PHASE: MEDIA LIBRARY

PROGRAM

books
art
media

more active
(closer to entrance)

G/F PLAN
5.4 - NEW PHASE: MEDIA LIBRARY

RELATIONSHIP WITH COURTYARD
5.4 - NEW PHASE: MEDIA LIBRARY

WILLEM VAN RIJN BUILDING AS COMMUNITY CULTURAL CENTER to improve social cohesion in Landlust
5.4 - NEW PHASE: MEDIA LIBRARY

ENTRANCE FOR COMMUNITY

WILLEM VAN RIJN BUILDING AS COMMUNITY CULTURAL CENTER to improve social cohesion in Landlust
5.4 - NEW PHASE: MEDIA LIBRARY

ENTRANCE FOR COMMUNITY

MATERIALIZATION - SANDBLASTED GLASS

- different parts in the ‘new phase’ express as a whole
- welcoming as well as providing privacy

reference: Cite de l’Ocean et du Surf by Steven Holl
5.4 - NEW PHASE: MEDIA LIBRARY

ENTRANCE FOR COMMUNITY

MATERIALIZATION - FRITTED GLASS (PARTIAL)

reference: IAC Building by Frank Gehry
WILLEM VAN RIJN BUILDING AS COMMUNITY CULTURAL CENTER to improve social cohesion in Landlust

SITE INTRODUCTION • URBAN VALUES & MASTERPLAN | REDESIGN CONCEPT • ARCHITECTURAL VALUES • INTERVENTIONS

5.3 - FROM BUILDING TO COURTYARD
BASEMENT IS OPENED UP AND WORKS WITH COURTYARD
5.4 - NEW PHASE: COMMUNITY HALL & CANTEEN

SHARED BY ARTIST & COMMUNITY
5.4 - NEW PHASE: COMMUNITY HALL & CANTEEN

EXTENDING TO COURTYARD
5.4 - NEW PHASE: COMMUNITY HALL & CANTEEN

FLEXIBILITY

- Entry

- Layout

Option 1
Option 2
Option 3
5.4 - NEW PHASE: COMMUNITY HALL & CANTEEN

BEAM PLAN

EXISTING

PROPOSED

- wall
- beam
- new beam on 1/F
- new beam on 2/F

WILLEM VAN RIJN BUILDING AS COMMUNITY CULTURAL CENTER

to improve social cohesion in Landlust
5.4 - NEW PHASE: COMMUNITY HALL & CANTEEN

PILE PLAN

EXISTING

PROPOSED

reuse existing
reinforce existing foundation
new beam & pile
5.4 - NEW PHASE: COMMUNITY HALL & CANTENE

CONNECTION WITH OTHER PHASES
5.4 - NEW PHASE: COMMUNITY HALL & CANTEEN

CONNECTION WITH OTHER PHASES

Existing Phase 3 | New Structure

- sealant
- Formed metal cap
- Condensate / air seal with insulation
- wood curbs & cant

New Structure | Existing Phase 1

- Waterproof membrane
- Insulation
- vapour barrier
- Steel deck

- new brickworks & insulation
5.4 - PHASE 3 MODIFICATION: COMMUNITY CENTER
5.4 - PHASE 3 MODIFICATION: COMMUNITY CENTER

CONCEPT DIAGRAM

CURRENT

artist studio

NEW

art community classes

WILLEM VAN RIJN BUILDING AS COMMUNITY CULTURAL CENTER  to improve social cohesion in Landlust
5.4 - PHASE 3 MODIFICATION: COMMUNITY CENTER

CONCEPT DIAGRAM

VOID

&

PATIO
5.4 - PHASE 3 MODIFICATION: COMMUNITY CENTER

CONCEPT DIAGRAM

- VISUAL CONNECTION
- COMMUNAL SPACE FOR GATHERING & LEISURE
5.4 - PHASE 3 MODIFICATION: COMMUNITY CENTER

STRUCTURE
5.4 - PHASE 3 MODIFICATION: COMMUNITY CENTER

PROGRAM

1/F: drama/dance/yoga studio; children’s area; offices

2/F: wood & textile workshop; offices

3/F: painting, handcraft

4/F: film, photography, digital

5/F: music
5.4 - PHASE 3 MODIFICATION: COMMUNITY CENTER

VOID/PATIO

-AS SPATIAL DIVIDER
to facilitate program arrangement

-AS COMMUNAL SPACE
5.4 - Phase 3 Modification: Community Center
5.4 - PHASE 3 MODIFICATION: COMMUNITY CENTER

VIEW TO COURTYARD & SURROUNDINGS
5.4 - PHASE 3 MODIFICATION: COMMUNITY CENTER

CONNECTION WITH MEDIA LIBRARY
WILLEM VAN RIJN BUILDING AS COMMUNITY CULTURAL CENTER

SITE INTRODUCTION

• URBAN VALUES & MASTERPLAN
  • REDESIGN CONCEPT
  • ARCHITECTURAL VALUES
  • INTERVENTIONS

reference:
Apartment Building in London
by Russell Jones
5.4 - EXISTING ARTIST STUDIO
RELATIONSHIP WITH COURTYARD/ROOF GARDEN

5.4 - EXISTING ARTIST STUDIO
5.4 - EXISTING ARTIST STUDIO

ENTRANCE

PAST

PRESENT

WILLEM VAN RIJN BUILDING AS COMMUNITY CULTURAL CENTER to improve social cohesion in Landlust
5.5 - COURTYARD

MATERIALIZATION

differentiation within courtyard

- masonry (existing, artist)
- travertine, glass (new, community)
WILLEM VAN RIJN BUILDING AS COMMUNITY CULTURAL CENTER

SITE INTRODUCTION • URBAN VALUES & MASTERPLAN • REDESIGN CONCEPT • ARCHITECTURAL VALUES • INTERVENTIONS

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5.5 - SERVICES: VENTILATION & HEATING SYSTEM

artist:
- natural air inlet aided with mechanical exhaust system
- reuse existing heat radiator

community:
- mechanical ventilation
- radiant floor heating (8/F, G/F)
- reuse existing heat radiator (1/F-5/F)

zoning for ventilation system with locations of the respective supporting mechanical rooms

central heating provided by the existing boilers on 6/F
to improve social cohesion in Landlust

WILLEM VAN RIJN BUILDING AS COMMUNITY CULTURAL CENTER

THANKYOU