Fenix II:
From an emigration pioneer
to an integration icon

Final Report
Heritage & Architecture
Rotterdam Harbour Heritage
Adapting 20C Heritage
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Location
Foodtrucks at the FenixLoods II (Fenix Food Factory, 2020)

A collapsed part of the warehouse (Gemeentelijk archiefdienst Rotterdam, ...)

Situation after (bombing/fire??) 1949

Moored boat at the San Francisco Warehouse (Gemeentelijk archiefdienst Rotterdam, ...)

Situation 1922

Function

WORK NEEDS TO BE COMBINED INTO - SPIRIT OF PLACE -
WORK NEEDS TO BE COMBINED INTO SPIRIT OF PLACE
History
Cranes on top of the building

Original Floor Plan

360m
Monolithic Concrete Construction

Original Floor Plan

360m
History
History
Redeveloped Fenix I & II
Aluminium Storage

Adapted Floor Plan 1950

Fenix I

Fenix II

Bombed/Burned

History
Adapted Floor Plan
1950

Fenix I

Bombed/Burned

Fenix II

Provimi

Additional Silo
Provimi
Adapted
Floor
Plan
2013

Fenix I

Bombed/Burned

Fenix II

Provimi

Circus
Rotjeknor

Fenix
Food
Factory

Food
Factory

Circus
Rotjeknor
Fenix I
Cultural functions
& added dwellings

´Immigration Museum´
Values
Hope for a better future
Potential Value
Characteristic Facade Elements
Recreational Character
Industrial Character
Repeating Facade
Scale & Structure
Starting Points
Conceptual
Main Touristic Interest

1. Tell the story of the building and the role it had since 1922.
2. Tell stories of fortune seekers that departed from 1922 to US.
3. Tell a story about how immigration played a role throughout history until 1922.
4. Makes a connection to refugees from 1940 to now and shows multiple countries.
5. Shows the situation now, maybe interview from every country fleeing to NL.
6. Questions the way we look at refugees.

Future Art Center
- Educates in visual arts
- Provides start-up places for artists
- Provides workspaces with equipment
- Provides a place where art pieces can be sold (for an honest price)
- Needs to show a story about honest art
- How is this possible?

An exhibition place where contemporary art is exhibited, to be told, how to make it profitable for The "3rd World" countries.

Future Food
- Educates in Culinary Business
- Culinary Design
- Culinary
- Food
- Food for employees
- Provides test cooking place
- Provides greenhouse

Cultural Integration Program
- Language: English
- Prepare for Dutch
- Market
- Dutch Culture

Concept

How can a building show the positive effects of immigration?
How the past and tell the present.

Hope in the future.

Concept

Change the way we look at immigration and profit more from it. But how?

Future food

Future art

Future exhibition

Future design

Future

It's about people

Future work

Future

That is about the future

Current cultural integration program

Language (English)

How does the country work?
Cultural Integration

Future Food
- Clean menu
- New Food
- Local
- ... Local
- Complementary inspiration

Future Work
- Original recipe
- Complimentary inspiration
- Creative
- Chef
- Future food
- Restaurant
- School kitchen
- Chef's Kitchen
- Food system
- Garden

Future Design
- Visual art
- Photos
- Together work department with art

Future Program
- Dutch program
- English program
- Provide a base income

Future Design
- Honest about Debuted world
- Possible world goes to origin?
- How do help at the source?
- Tutoring moment
View of the depth of the Fenix II

View of the length of the Fenix II
Hope for a better future Program

Integration

Language

Cultural Integration Program & Language program
Design
Ground Floor

1: Routing
2: Markethalls
3: Restaurant
4: Bar
5: Museum
6: Supply entry
5.1 Museum Shop
9: Bicycle parking
10: Offices
7: Recreation area
8: Terrace
8: Terrace
1st Floor

1: Routing
3: Restaurant
5.2: Museum hall 1
5.3: Museum hall 2
5.4: Museum hall 3
5.5: Museum Shop
10: Offices
11.1: C.I.P Music
11.2: C.I.P Stage
11.3: C.I.P Culinair
12: Kitchen
12: Kitchen
2st Floor

13: Classrooms

14: Meeting room

15: Open study places

16: Platform
Language School

Classrooms  Meeting  Multifunctional Stage + Study Places

C.I.P
Kitchen & Studio

Market hall  Routing

Hope for a better future
3D Section
Hope for a better future
3D Section

Level Of Participation

Public Ground Floor
Position in urban landscape
Structure & Scale
Re-use Concrete
Interior elements
Zone 1: Restaurant - Markthall 1 - Kitchens C.I.P.

Zone 2: Markthall 2 - Studio's and Stage C.I.P.

AHU: Zone 3

AHU: Zone 4

Zone 3: Museum

Zone 4: Learning Platform

Zone 5: Classrooms
Floor Heating / Cooling Kitchens

Wooden separation with internal sound absorption

Air supply / extraction from WTW

Central extraction air to WTW

Fresh air from WTW Diffused Supply

Milk glass

Bringing in more natural light

Diffused Supply

Floor Heating / Cooling

Air supply / extraction from WTW

Wooden separation with internal sound absorption
Climarads are integrated into the Facade of the classrooms.

Stage with a flexible use. Surrounded by closeable curtains.

Diffused extraction air to WTW.

Fresh air from WTW Diffused Supply.

Lifted learning platforms, finished with a grey carpet.

Viewpoint & outside place to have a break.

Floor Heating / Cooling.
Use the cold of the rijnhaven as a base for floor cooling.

During Summer doors - windows main route can be opened allowing more fresh air to enter the building. Windows in the roof element can be opened to provide a natural air exit.

Original roof lights are used to provide natural light in C.I.P.

Electrical heat pump used to heat / cool thermal systems.

Rainwater is collected in two main drainages.

Roof element used to generate electricity (36 degrees) Only northern light enters through roof.

During Summer doors - windows main route can be opened allowing more fresh air to enter the building. Windows in the roof element can be opened to provide a natural air exit.
Exploded View
Deconstruction

Isometric
New Situation
Isometric laminated timber connection with concrete

Exploded view

Existing concrete connection

Laminated Timber Column

Metal Connection

Glue Anchor

Bolds

Wooden Finish

Existing concrete connection

Exploded view

Construction
Isometric laminated timber connection with concrete

Exploded view

Laminated Timber Column

Wooden Finish

Existing concrete connection

Construction
Element for direct sunlight

Element for rainwater drainage

Elements for no direct sunlight & generating electricity
Secundary construction

Steel placing element

Wooden connection

Gutter min 30 cm wide

Openable window frame

Solar panel connected to HSB roof

Finishing Hood

Finishing element placed in the gutter of previous placed roof element

Wooden Purlin Roof Structure

Wooden Purlin Roof Structure

Wooden connection
Prefab Roofsyste 

connection 
Old-New 

17.420 +P 

12.375 +P 

6.050 +P 

Peil=0
Concrete Roof

Construction Crane Tracks

Concrete Construction

Steel Windowframe
Project Related
A "de PARADE" and
"Rotterdam Harbour Heritage" collaboration
Current situation

Added Construction

Finalizing Awning
Current situation

Added Construction

Finalizing Awning