Forget me not

“Dwelling in the past, designing for the future”
“We remember their love when they can no longer remember.”

- A Caregiver -
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‘how do we want to live in the future?’

‘what do our cities need?’

Main issues: City living – high density – future oriented
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II

Research question
II. Research question
‘What architectural aspects can help people with dementia, to live safely with the possibility to be part of the society, in the center of Amsterdam in 2040?’
III
Research
III. Healthcare system

2016 - 2040 age of 85 and older

1.680,000 above 85 in 2040
III. Healthcare system

- Rising care cost
- Stressed out caregivers
- Reminiscence therapy & music

2016: 4.9 billion
2040: 9.8 billion

5% 10%

Rising care cost
Stressed out caregivers
Reminiscence therapy & music
III. Research Question

The graph illustrates the decline over time in a deterioration process. It shows a linear decrease in decline from stages 3 to 7, with specific stages marked for 3 stages (1 & 2, 3 & 4, 5) and 7 stages (1, 2, 3, 4, 5, 6 & 7).
IV. Concept
Exclusion
Separation
Integration
Inclusion

IV. Concept
**Type:** Dementia unit  
**Orientation:** Single & Dual  
**Sizes:** 45 m²  
**Amount:** 32  
**First floor:** Group size 11  
**Shared space:** 528 m² (24 m² p.p.)  
**Outside space:** 112 m² (5 m² p.p.)  
**Second floor:** Group size 11  
**Shared space:** 528 m² (24 m² p.p.)  
**Outside space:** 57 m² (2.6 m² p.p.)  
**Third floor:** Group size 10  
**Shared space:** 248 m² (12.4 m² p.p.)  
**Outside space:** 200 m² (10 m² p.p.)  

**Type:** Communal unit  
**Orientation:** Single & Dual  
**Sizes:** 34.7 m²  
**Amount:** 14  
**Shared space:** 178 m² (19.8 m² p.p.)  
**Outside space:** 198 m² (11 m² p.p.)  
**Groep size:** 2 x 9  

**Type:** Communal unit  
**Orientation:** Single  
**Sizes:** 17.82 m²  
**Amount:** 2 (2x2)  
**Shared space:** 178 m² (19.8 m² p.p.)  
**Outside space:** 198 m² (11 m² p.p.)  
**Groep size:** 2 x 9
V

Design strategy Building
V. Design strategy

5.62 m

4.5 m
V. Design strategy

Type: Dementia unit
Orientation: Single & Dual
Sizes: 45 m²
Amount: 32

First floor: Group size 11
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Outside space: 112 m² (5 m² p.p.)

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Third floor: Group size 10
Shared space: 248 m² (12.4 m² p.p.)
Outside space: 200 m² (10 m² p.p.)
V. Target groups

Type: Dementia unit
Orientation: Single & Dual
Sizes: 45 m²
Amount: 32

First floor:
- Group size: 11
- Shared space: 528 m² (24 m² p.p.)
- Outside space: 112 m² (5 m² p.p.)

Second floor:
- Group size: 11
- Shared space: 528 m² (24 m² p.p.)
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Shared space: 248 m² (12.4 m² p.p.)
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VI
Design strategy target group
VI. Design strategy target group

Semi outdoor space Menos

Easy to oversee outdoor space De Weister

Interactive outdoor space Berchmanteuis
VI. Design strategy target group
VI. Design strategy target group
VII. Urban scale
VII. Urban scale

Unsafe walk path

Unclear high placed signage

Bench?
VII. Urban scale

Walkability elderly 500 m

Walkability elderly with walker 300 m
VII. Urban scale
VII. Urban scale
VII. Urban scale
VII. Urban scale
VII. Urban scale
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Design strategy facade
VIII. Design strategy facade
VIII. Design strategy facade
VIII. Design strategy facade

East facade 1:200
VIII. Design strategy facade
VIII. Design strategy facade

East facade 1:200
VIII. Design strategy facade

East facade 1:200
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00_Main floor
0 +P
01_First floor
4160 +P
02_Second floor
8320 +P
03_Third floor
12480 +P
04_fourth floor
15480 +P
05_fifth floor
18480 +P
06_roof
21480 +P

North facade 1:200
VIII. South facade
VIII. Design strategy facade
VIII. East facade fragment
IX
Stage II
Garden impression
Stage III
X. Dementia dwelling

Type: Dementia unit
Orientation: Single & Dual
Sizes: 45 m²
Amount: 32

First floor: Group size 11
Shared space: 528 m² (24 m² p.p.)
Outside space: 112 m² (5 m² p.p.)

Second floor: Group size 11
Shared space: 528 m² (24 m² p.p.)
Outside space: 57 m² (2.6 m² p.p.)

Third floor: Group size 10
Shared space: 248 m² (12.4 m² p.p.)
Outside space: 200 m² (10 m² p.p.)
I. Type: Dementia unit
   Orientation: Single & Dual
   Sizes: 45 m²
   Amount: 32

II. First floor: Group size 11
   Shared space: 528 m² (24 m² p.p.)
   Outside space: 112 m² (5 m² p.p.)

III. Second floor: Group size 11
   Shared space: 528 m² (24 m² p.p.)
   Outside space: 57 m² (2.6 m² p.p.)

IV. Third floor: Group size 10
   Shared space: 248 m² (12.4 m² p.p.)
   Outside space: 200 m² (10 m² p.p.)

X. Floor plan
X. Closed interior facade
X. Floor plan
X. Open interior facade
X. Open interior facade II
X. Privacy curtain
X. Impression facade
X. Accessibility

X + Y = 1950 mm <
X. Privay

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Orientation: Single & Dual
Sizes: 45 m²
Amount: 32

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X. Wheelchair accessible
Type: Dementia unit
Orientation: Single & Dual
Sizes: 45 m²
Amount: 32
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Shared space: 528 m² (24 m² p.p.)
Outside space: 112 m² (5 m² p.p.)
Second floor: Group size 11
Shared space: 528 m² (24 m² p.p.)
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Third floor: Group size 10
Shared space: 248 m² (12.4 m² p.p.)
Outside space: 200 m² (10 m² p.p.)

X. Wheelchair accessible
X. Impression bedroom
X. Circle of social interaction

- Family
- Other couples
- Couples social interaction
- Friend
- Music student & Caregiver
X. Circle of social interaction

- **Family**
- **Other couples**
- **Couples social interaction**
- **Friend**
- **Music student & Caregiver**
X. Circle of social interaction

- Family
- Other couples
- Couples social interaction
- Friend
- Music student & Caregiver
X. Fact about elderly

- Age 65+ feeling loneliness: 31%
- Age 85+ feeling depressed: 15%
- Lonely elderly higher chance of death: 14%
X. Innovative compositions

Floor plan

Section plan

Floor plan

Section plan
X. Communal unit elderly
X. Communal unit elderly

Type: Communal unit
Orientation: Single & Dual
Sizes: 34.7 m²
Amount: 14
Shared space: 178 m² (19.8 m² p.p.)
Outside space: 198 m² (11 m² p.p.)
Groep size: 2 x 9

34.7 m²
Type: Communal unit
Orientation: Single
Sizes: 17.82 m² (35.6 m²)
Amount: 2 (2x2)
Shared space: 178 m² (19.8 m² p.p.)
Outside space: 198 m² (11 m² p.p.)
Group size: 2 x 9

17.82 m² 17.82 m²
04 Fourth floor

05 Fifth floor

X. Outside space
X. impression communal space
X. impression communal space
Urban scale
Garden floor plan
Thank you