



Living Lab 040

Project: Urban Village

Prof. dr. Jos JN Lichtenberg

- Broad R&D experience in the building industry
- TU/e Chair Building Innovation-Building Technology
- Co-Initiator Living Lab 040 (LLO40 BV)



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* CurioCity for future living



A view over the LAB to come



Street feeling on the 4th floor | about connecting people

Urban Village

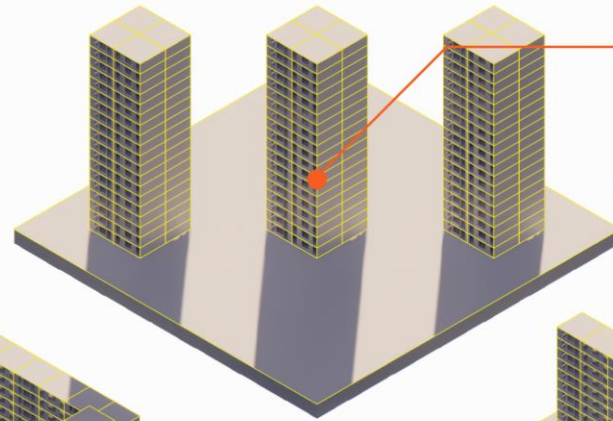


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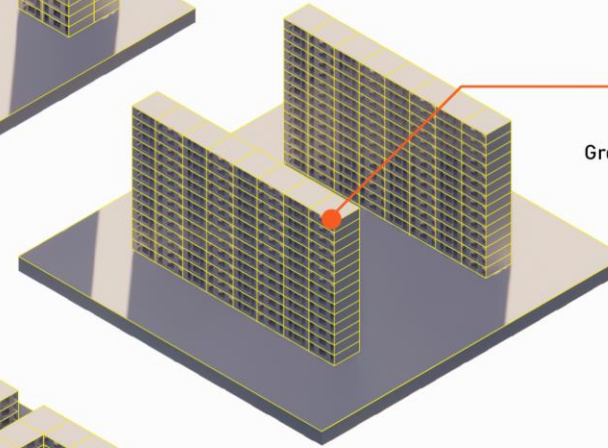
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Stedelijke Dichtheid

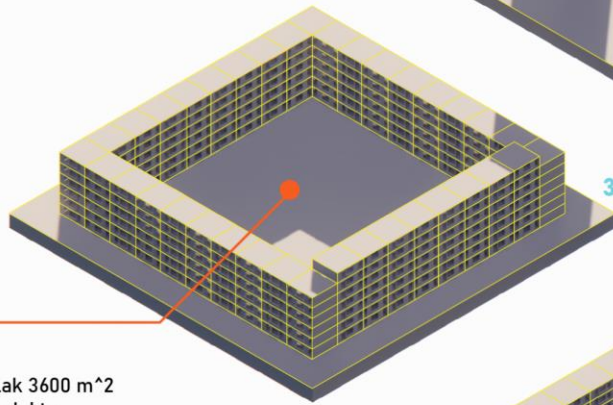
Voortbouwend op het werk van David Sim
Verschillende types op een vlak van
120m x 120m, bestaande uit 224
appartementen van 100 m²



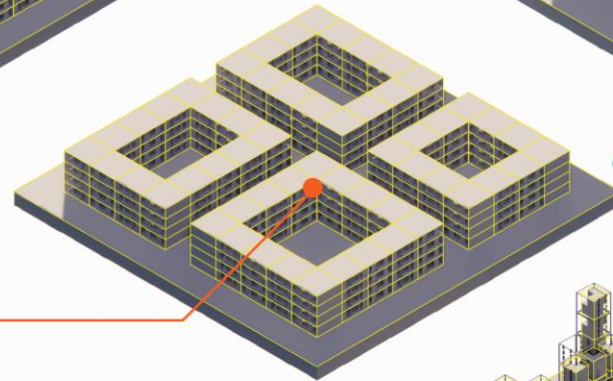
Toren model
18-19 lagen
Grondgebonden oppervlak 1200 m²
5% begane grond oppervlakte
22% bereikbaar zonder lift
Plint: 240 m



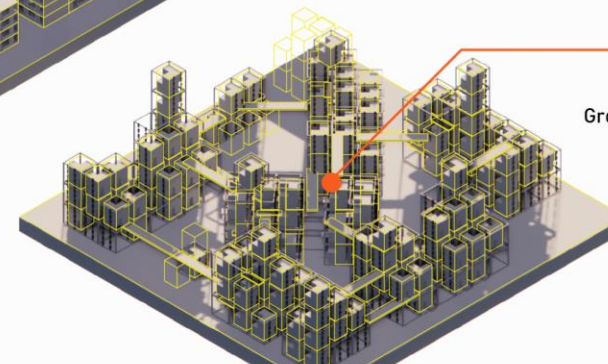
Bijlmer flats
18-19 lagen
Grondgebonden oppervlak 1600 m²
7% begane grond oppervlakte
29% bereikbaar zonder lift
Plint: 360 m



Hoogbouw hof
6-7 lagen
Grondgebonden oppervlak 3600 m²
16% begane grond oppervlakte
67% bereikbaar zonder lift
Plint: 400 m



Barcelona model
3-4 lagen
Grondgebonden oppervlak 5300m²
25% begane grond oppervlakte
100% bereikbaar zonder lift
Plint: 720 m



Verhoogd Maaiveld
3-4 lagen (van 2 lagen hoog)
Grondgebonden oppervlak 1800 m²
50% begane grond oppervlakte
85% bereikbaar zonder lift
Plint: 4000 m

Comparing densification solutions!





Support, trail and Infill

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To conclude

We are about to realize this experimental project in the Living Lab.

As a preparation to multiply the system in cities

We are looking for partners (financial and content partners):

- Potential candidates for development in other European cities
- Municipalities
- Housing corporations
- Prefab industrial partners
- Suppliers for sub systems, like the structure, the trail, the infill, housing systems, partitions, services, facades, building materials, etc.
- Partners for Research Proposals (EU)

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