

PASSAGES & Porosities

An interface for the creative community in Nijmegen Urban Architecture Graduation Studio // Raphaël Wendt

Starting point: 'Reconstruction of Nijmegen'

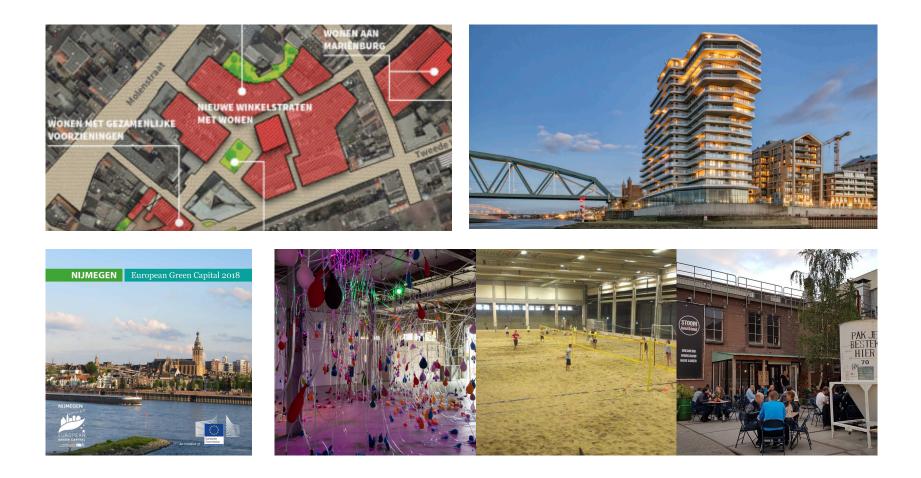
Actors in city planning in Nijmegen since WWII



Marienburg Project Actors in city planning in Nijmegen since WWII



Concurring visions of the city Commercial city vs Sustainable city

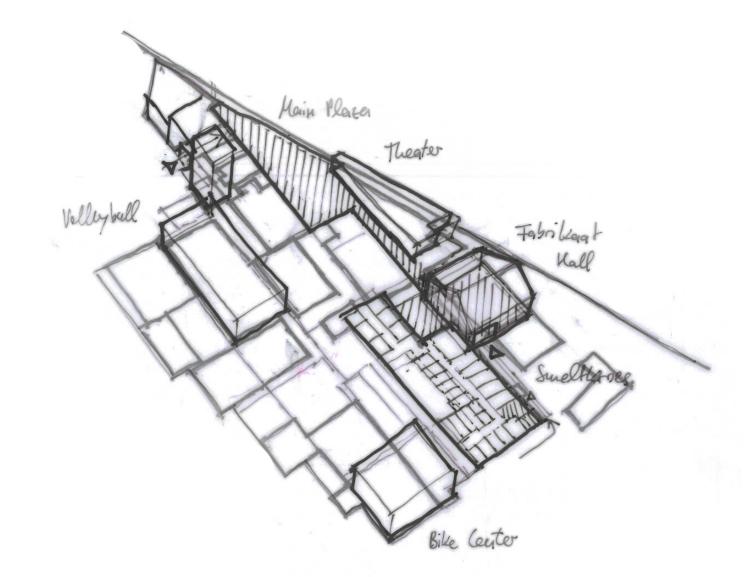


An opportunity for Nijmegen Three Ts introduced by Richard Florida



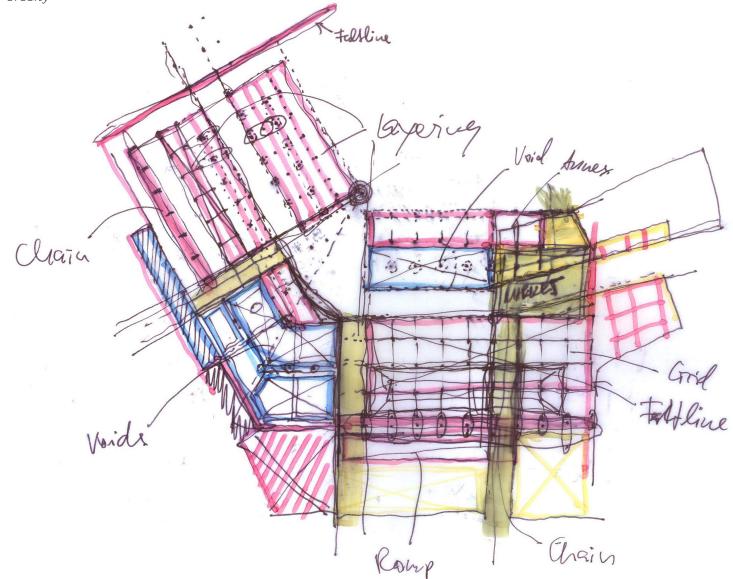


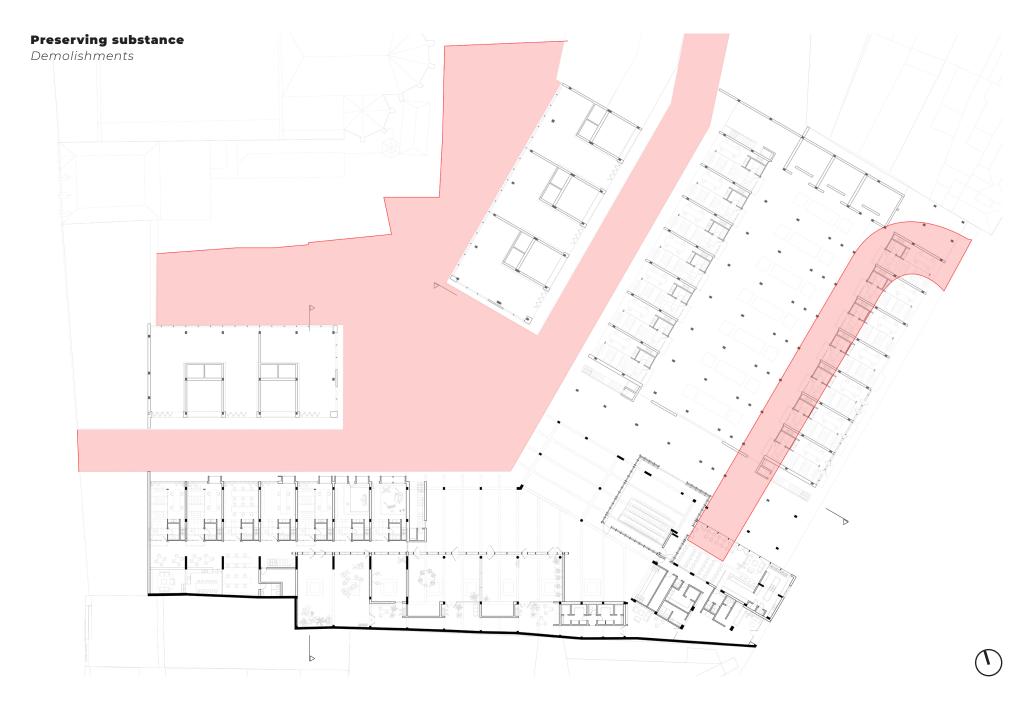
Honigcomplex Organicness & Porosity



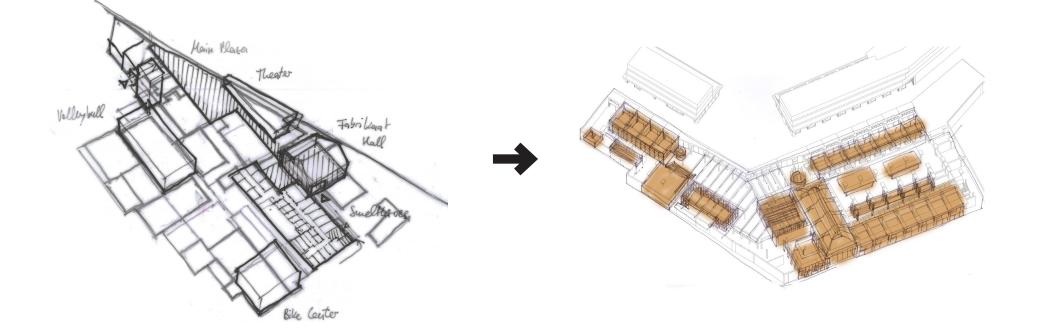
Honigcomplex

Organicness & Porosity

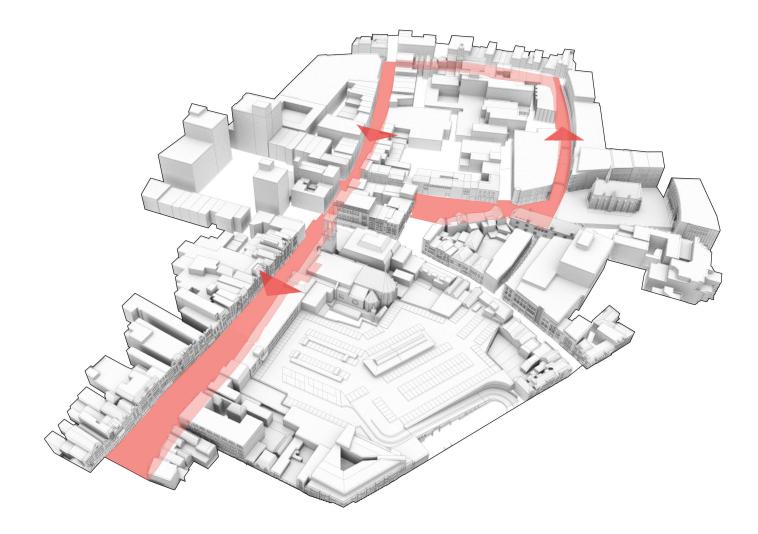




Honigcomplex Organicness & Porosity



Urban setting Dominating Shopping Loop

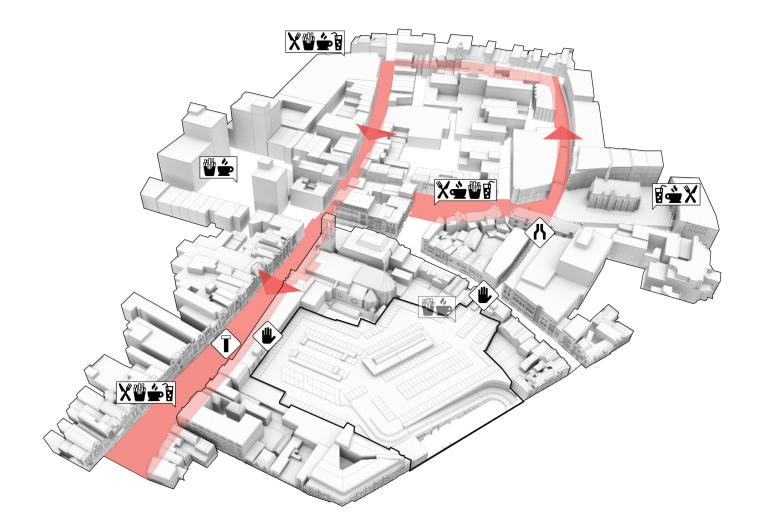


Predominant Shopping Loop Ratio of Franchises Gastronomy/Retail

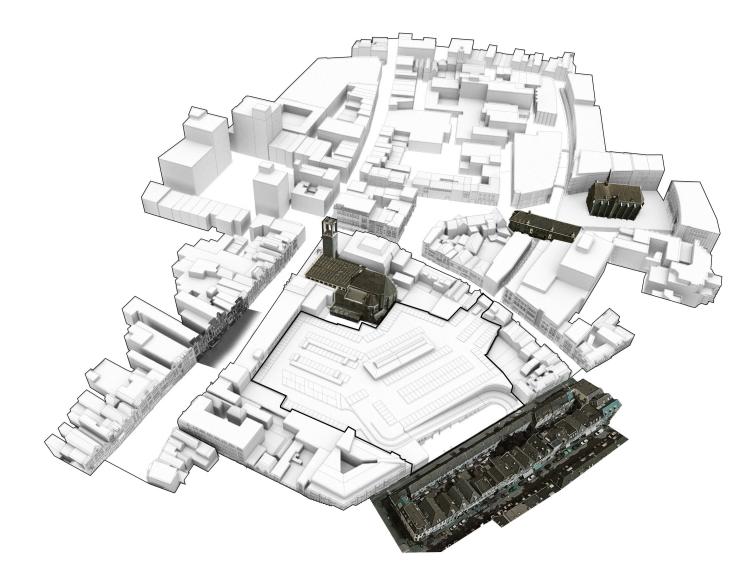


Urban setting

Disconnection of Molenpoort



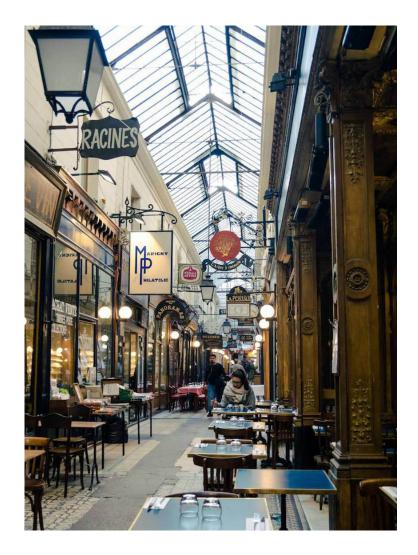
Urban setting Dominating Shopping Loop



Molenpoort & Passage des Panoramas, Paris

Case study to better understand retail spaces





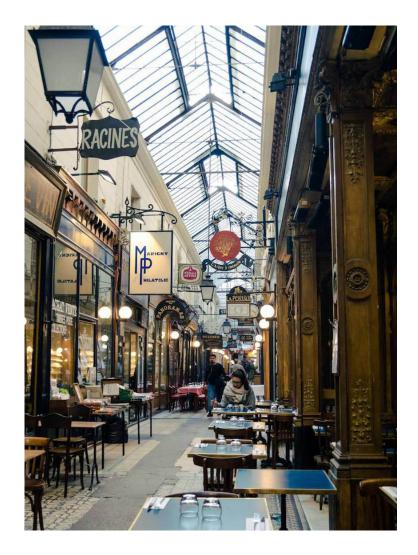
"These arcades, a recent invention of industrial luxury, are glass-roofed, marble-panelled corridors extending through whole blocks of buildings, whose owners have joined together for such enterprises. Lining both sides of the corridors, which get their light from above, are the most elegant shops, so that the arcade is a city, a world in miniature, in which customers will find everything they need."

- Walter Benjamin, The Arcades Project

Molenpoort & Passage des Panoramas, Paris

Case study to better understand retail spaces

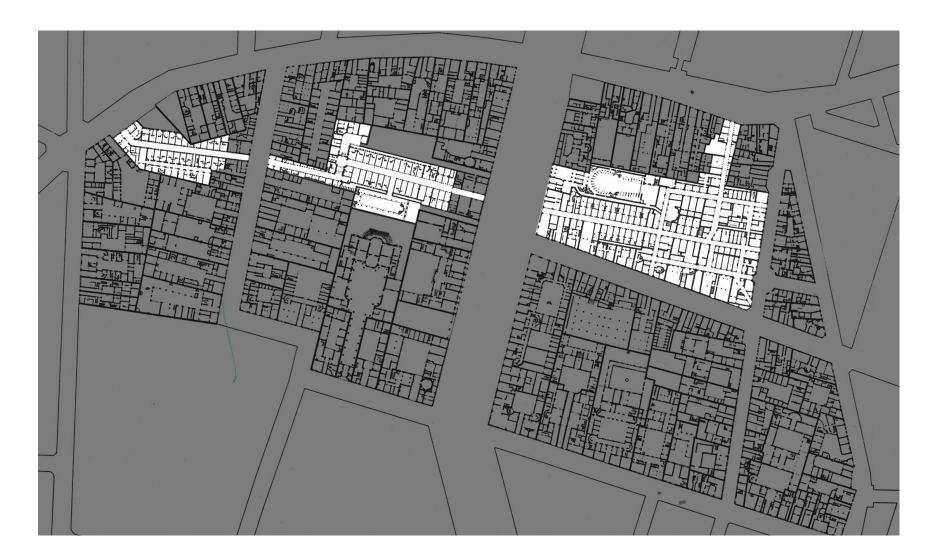




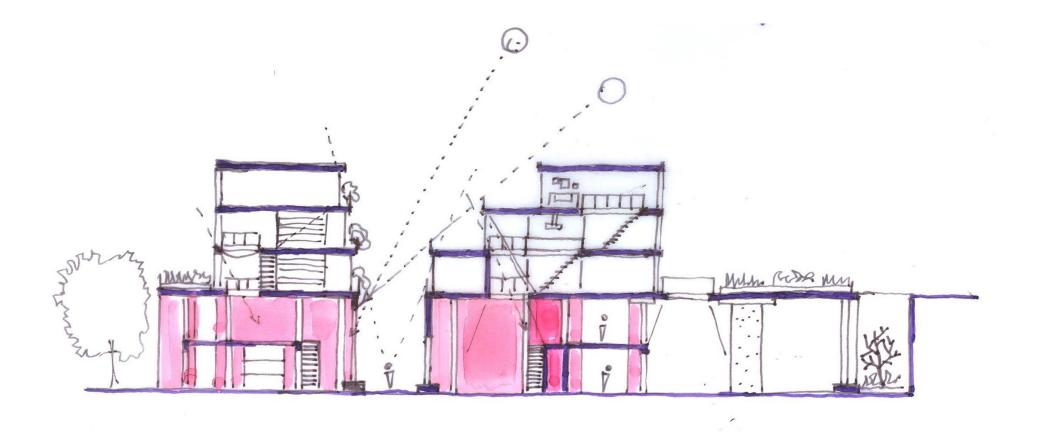
Importance of alignment Passage Verdeau, Passage Jouffroy, Passage des Panoramas

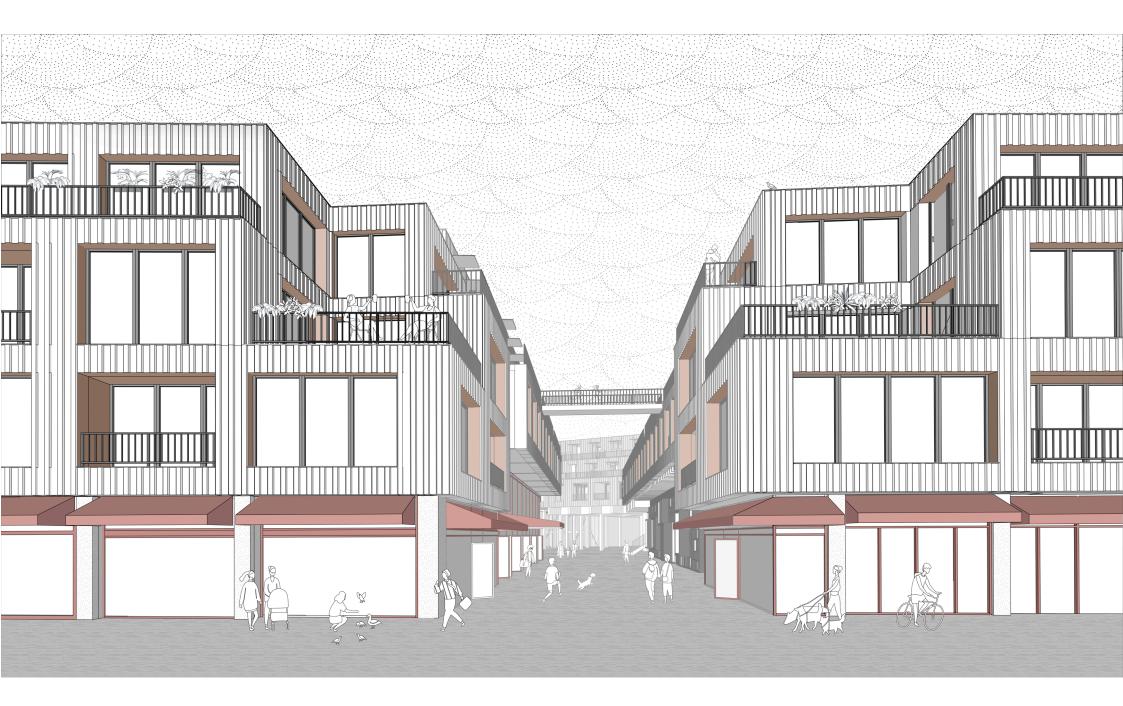


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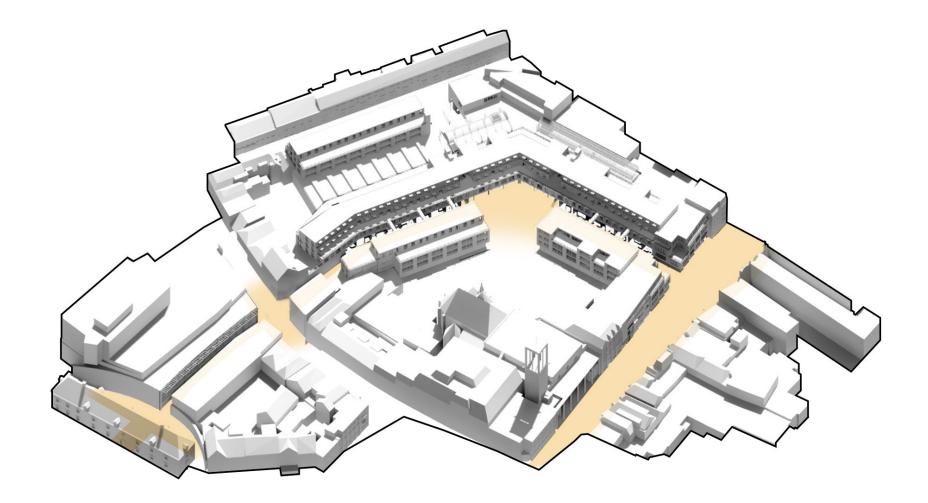


Building along Shopping Loop And reinterpreting Passage

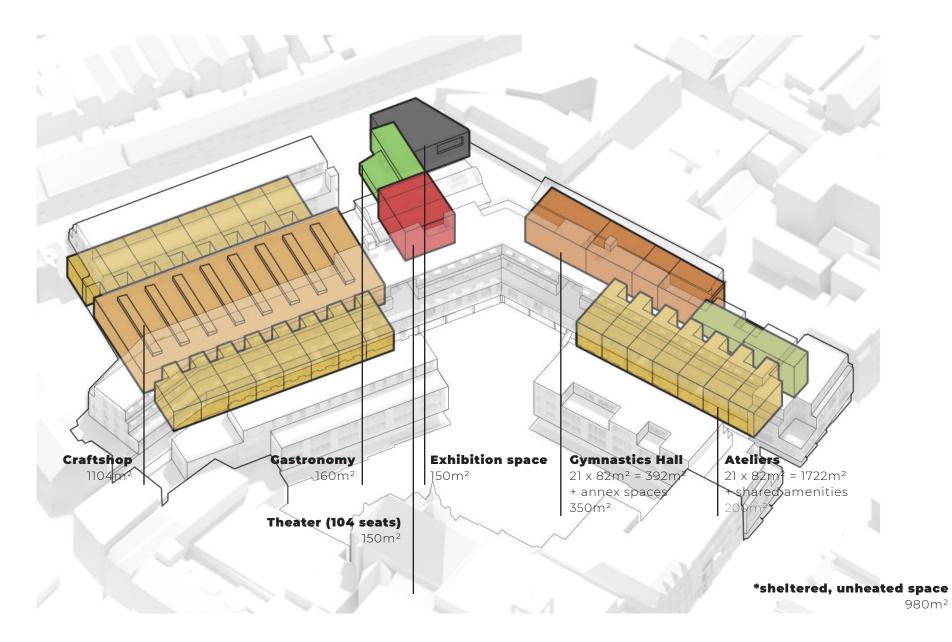


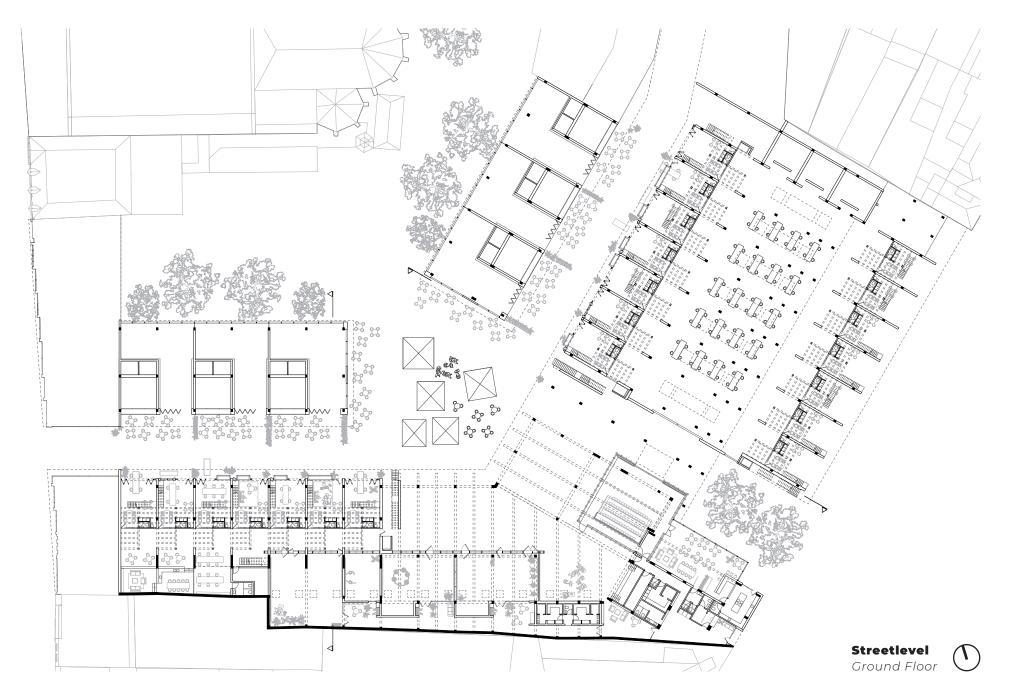


Completion of Shopping Loop



'Gadgets' and voids for creative community

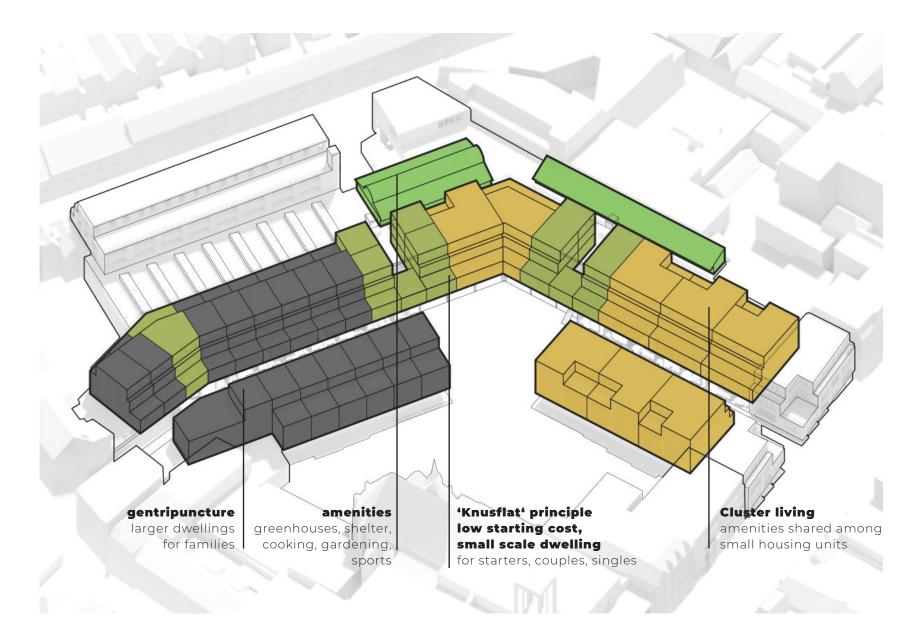






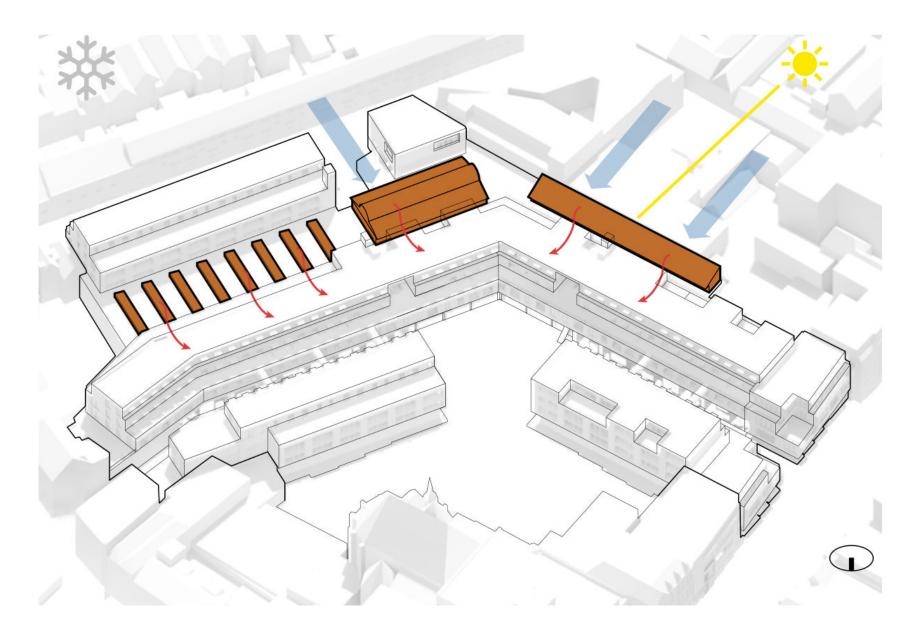
Strategy for 'positive' gentrification

A cocktail of existing strategies

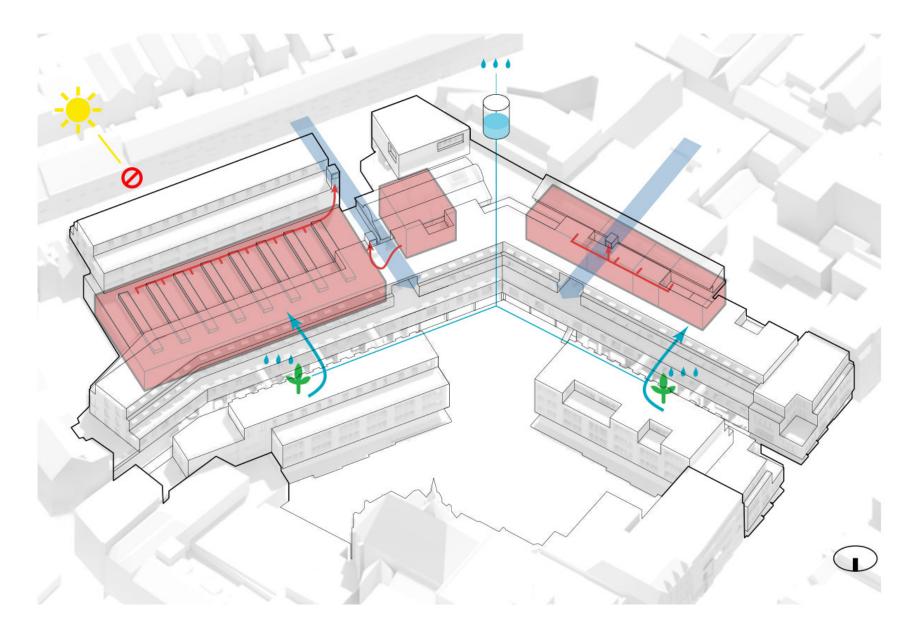


Climate diagram winter

Amenities serve secondary purpose in winter

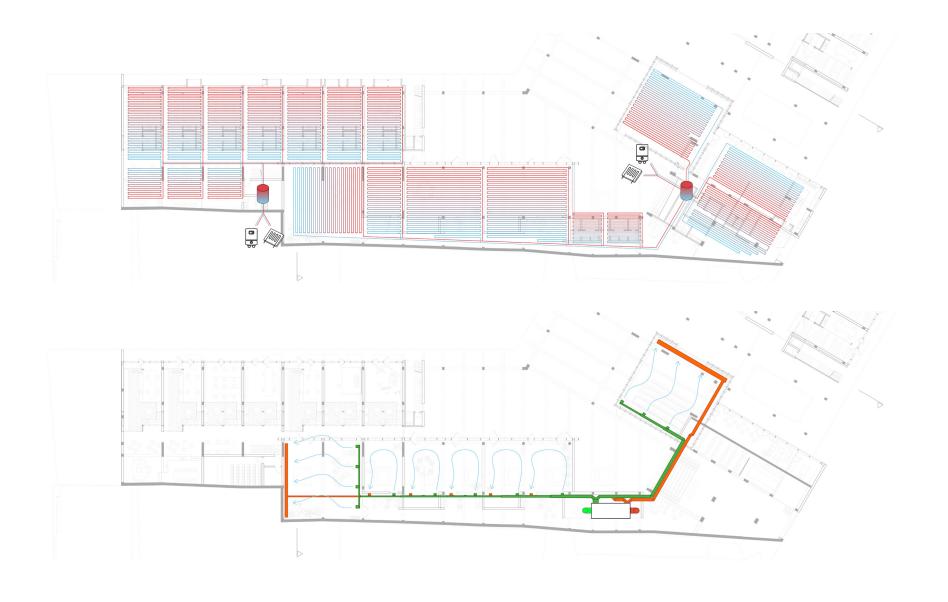


Climate diagram summer Using orientation and housing for shadow and windcatching

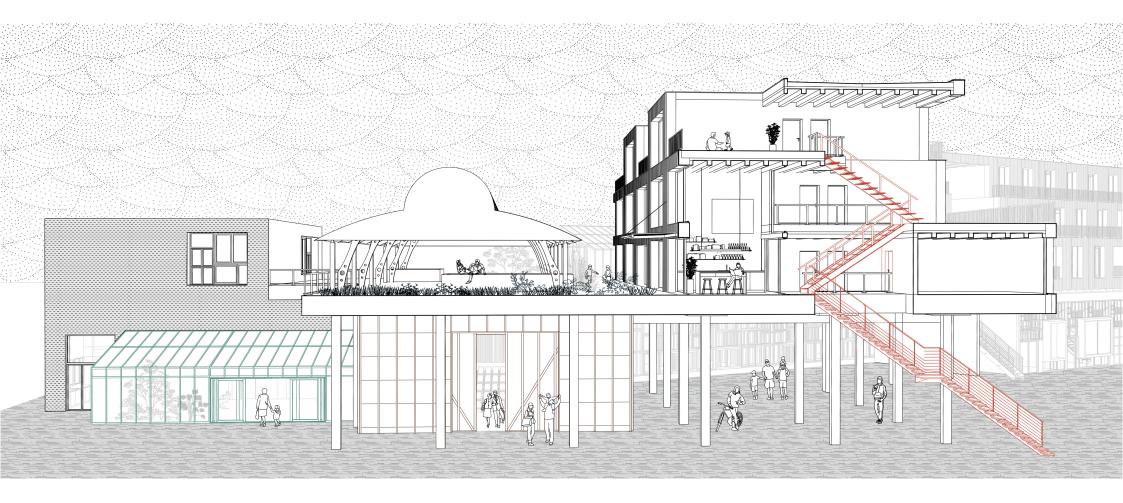


Heating & Ventilation

Position of Floor Heating and Air inflow



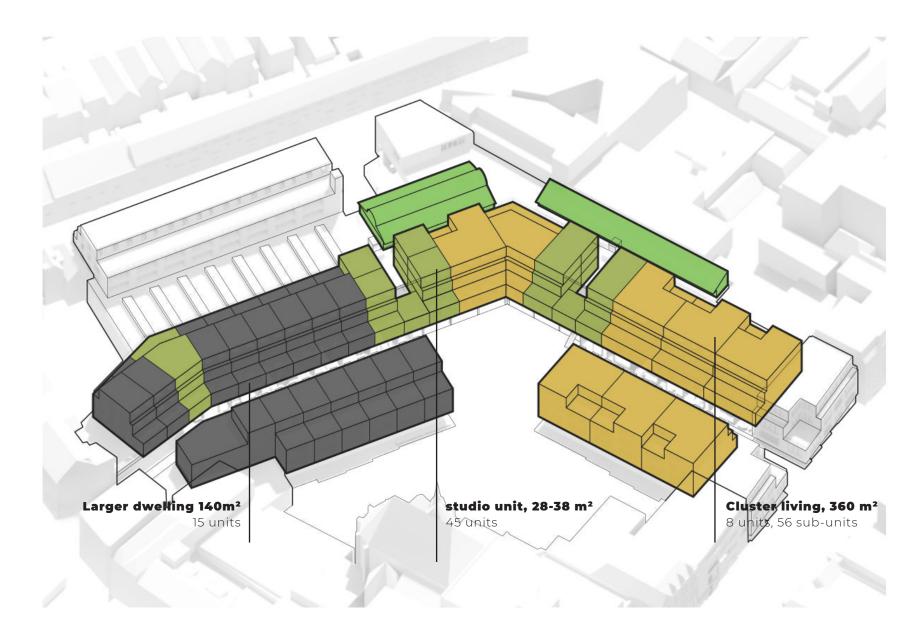
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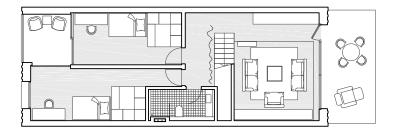


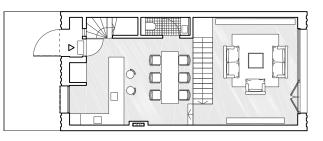
Strategy for 'positive' gentrification

A cocktail of existing strategies



Family Housing Unit 140 m²







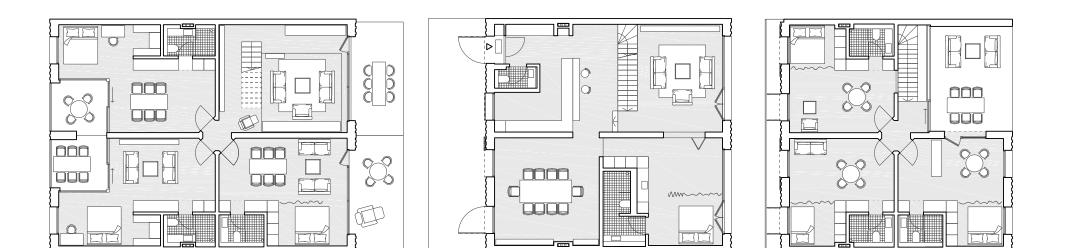
Lower Floor

Middle Floor

Upper Floor

Cluster Living Unit

360 m² (7 parties, 51 m² per Unit)



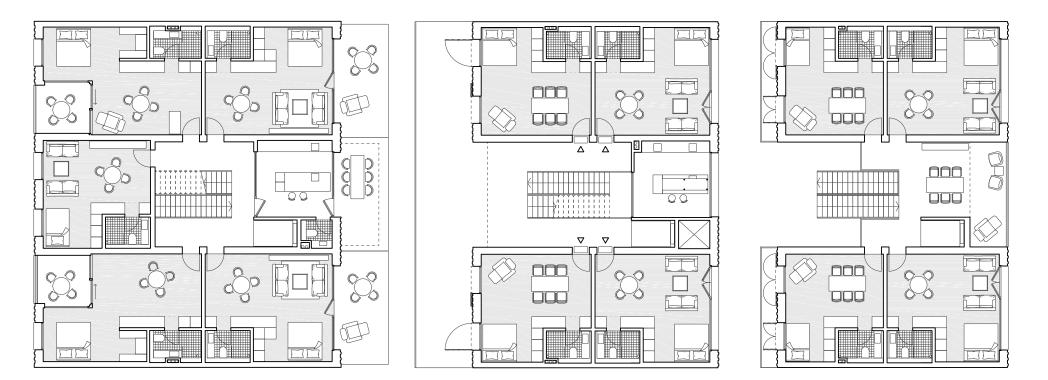
Lower Floor

Middle Floor

Upper Floor

Studio apartments around Core

2x 27m² / 7x 30 m² 2 x 35 m² / 2 x 38 m²



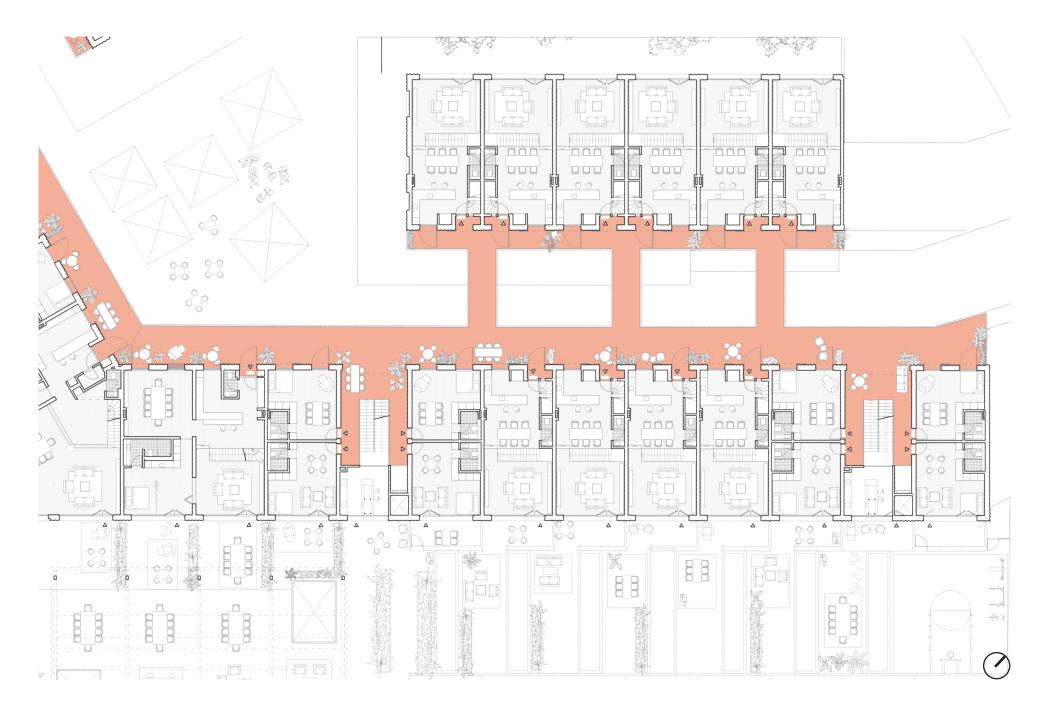
Lower Floor

Middle Floor

Upper Floor















Thank you!

// RAPHAËL WENDT, TU Delft, Faculty of Architecture and the Built Environment Urban Architecture Graduation Studio 'Bricolage', Spring semestster 2021 Mentors: Paul Vermeulen, Aurélie Hachez, Jelke Fokkinga, Leeke Reinders, Bieke Cattoor //

Description Surfac

Surface Amount

Ateliers	52 m²	7	364 m²
	31 m²	7	217 m ²
Shared amenities			200 m ²
Corridor + Technic			50 m ²
Dance Hall A			136 m²
Dance Hall B			44 m²
Dance Hall C	101 m²	2	202 m²
Vestibule Dance Halls			122 m²
Dressing rooms - Dance	16 m²	2	32 m²
Waiting room			35 m²
Dressing room - Theater			21 m²
Lobby Space and Annex			90 m²
Restaurant			140 m²
Theater			150 m²
Sheltered Outdoor			630 m ²
Sheltered Outdoor			188 m²
Vertical Circulation			50 m²

Total

2671 m²

Family Housing Unit	140 m²	11	1540 m ²
Cluster Living	360 m²	6	2160 m ²
Studio Units			
Unit A	30 m²	1	30 m ²
Unit B	35 m²	2	70 m ²
Unit C	38 m²	2	76 m ²
Unit D	41 m²	2	82 m ²
Unit E	50 m²	1	50 m ²
Unit F	60 m²	2	120 m ²
Total:	428 m²	4	1712 m ²
Terraces			768 m ²
Corridor			609 m ²
Circulation surface	20 m²	4	80 m ²
Amenity	18 m²	4	72 m ²
Garden space			
private			1006 m ²
shared			1250 m ²

Total

Total

8596 m²

5925 m²