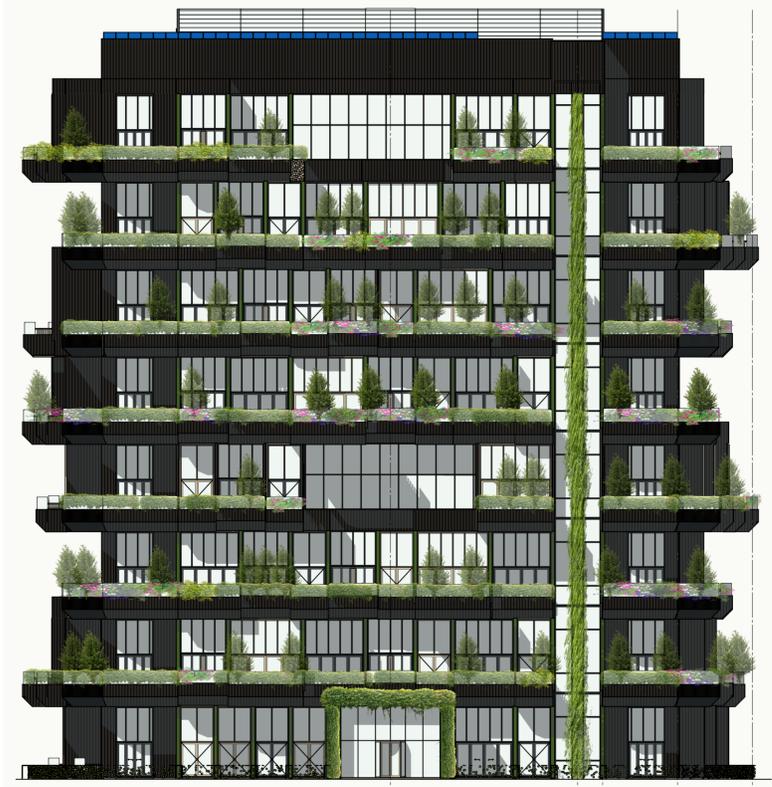
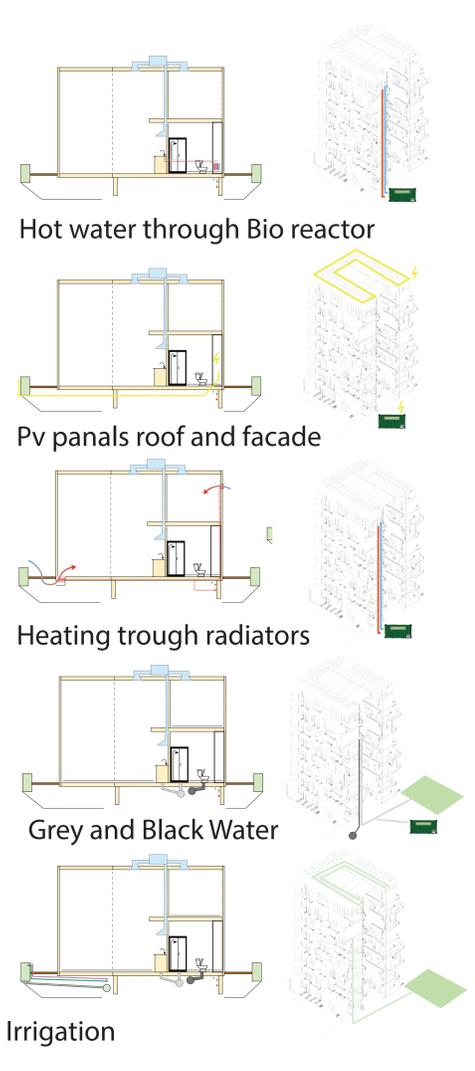
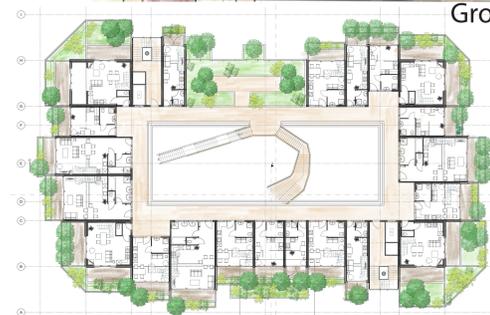
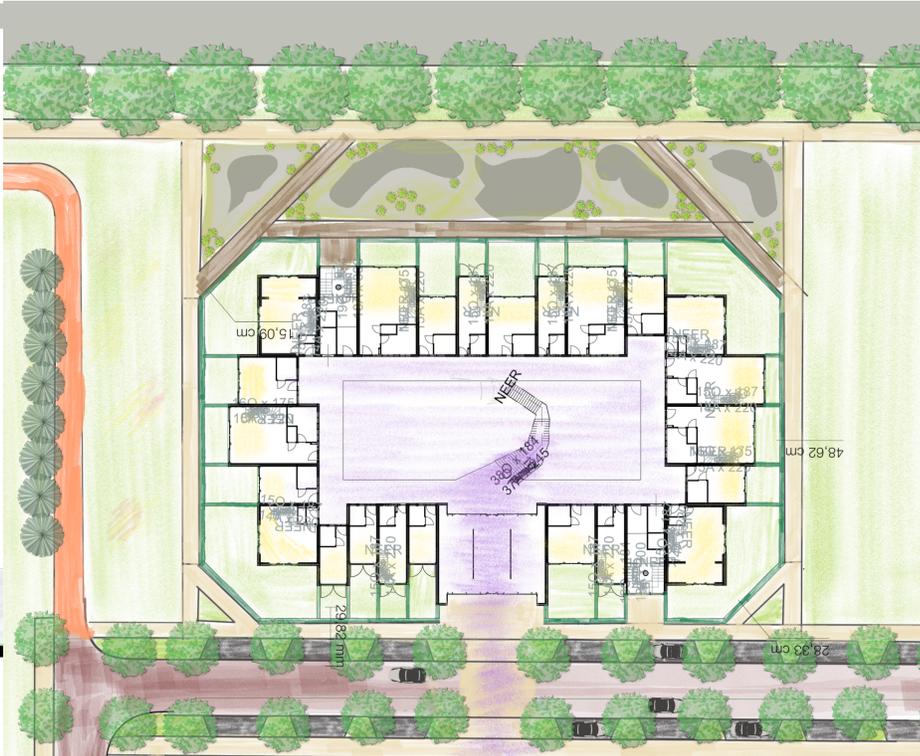
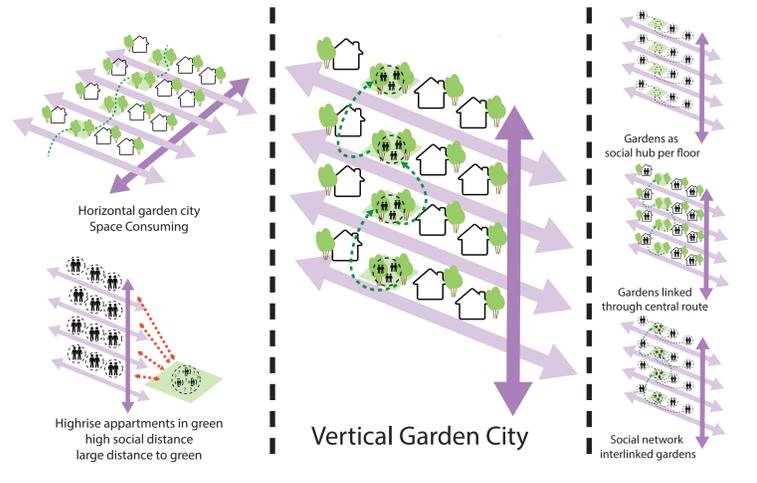


Vertical Garden-City

Niels Beuzien - Main Tutor: Mauro Parravicini - P5 - 26/06/2020

Designing a green living environment in the centre of Amsterdam



Material	Volume (m3)	Density	Mass	Embodied Carbon
Acryla - bare vertica...	0,00		0,00	0,00
Acryla - zaait vertica...	0,52	500,00 kg/m³	259,29	210,02
Coke	1,91	1450,00 kg/m³	2769,35	409,48
Debrisure vapour open	0,11	1.368,00 kg/m³	148,51	47,44
Debrisure vapour barrier	0,17	1.268,00 kg/m³	215,56	42,27
Glass	0,74	2.180,00 kg/m³	1.611,09	2.836,91
Isobata - Standaard hard	0,92	1620,00 kg/m³	1.486,86	187,99
Isobata - Standaard zacht	2,11	45,00 kg/m³	94,95	112,89
Mass Timber	15,36	550,00 kg/m³	8.444,75	13.855,95
Mass timber floor	0,38	550,00 kg/m³	209,75	349,71
Micaal - RVS	0,09	7.900,00 kg/m³	711,00	195,39
Substratum mix X	1,58	726,00 kg/m³	1.148,88	1.705,17
Substratum mix Y	0,94	563,00 kg/m³	529,35	812,13
Timber trusses	1,21	550,00 kg/m³	665,55	1.091,99
Total			14.043,35 kg	-15.068,38 kgCO2

3x6 minimal garden house configuration



Outer Facade

Section

Streetside Facade

Floorplan

customisability of houses



Facade of model



Facade fragment 1:50

