

Crop Chain Market

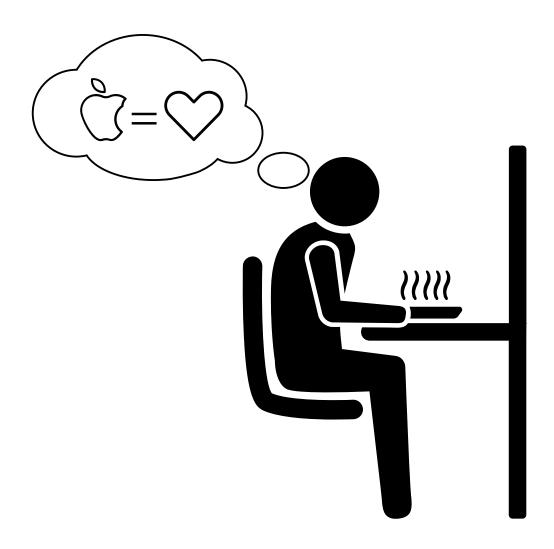
Reassemble the "Food Supply Chain" in an experimental space dedicated to food

P5 _ presentation

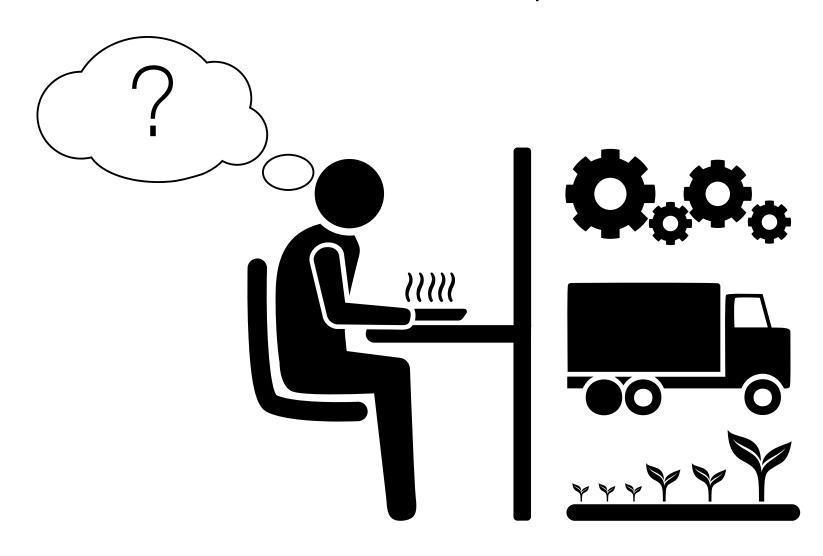
TU Delft _ Architectural Engineering _ Graduation Studio Daniele Tanzi

Design mentor: M. J. Smit Research mentor: J. Jongert BT mentor: P. Tomesen External mentor: J.R.T. van der Velde

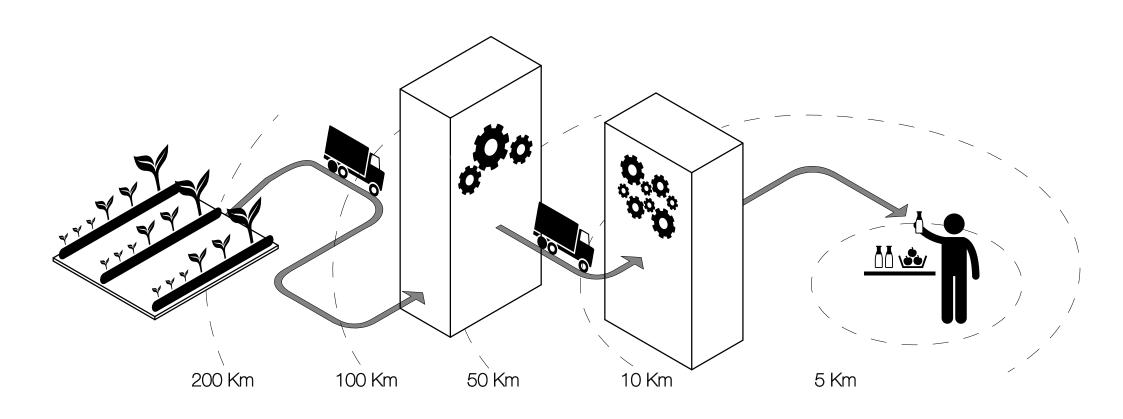
People

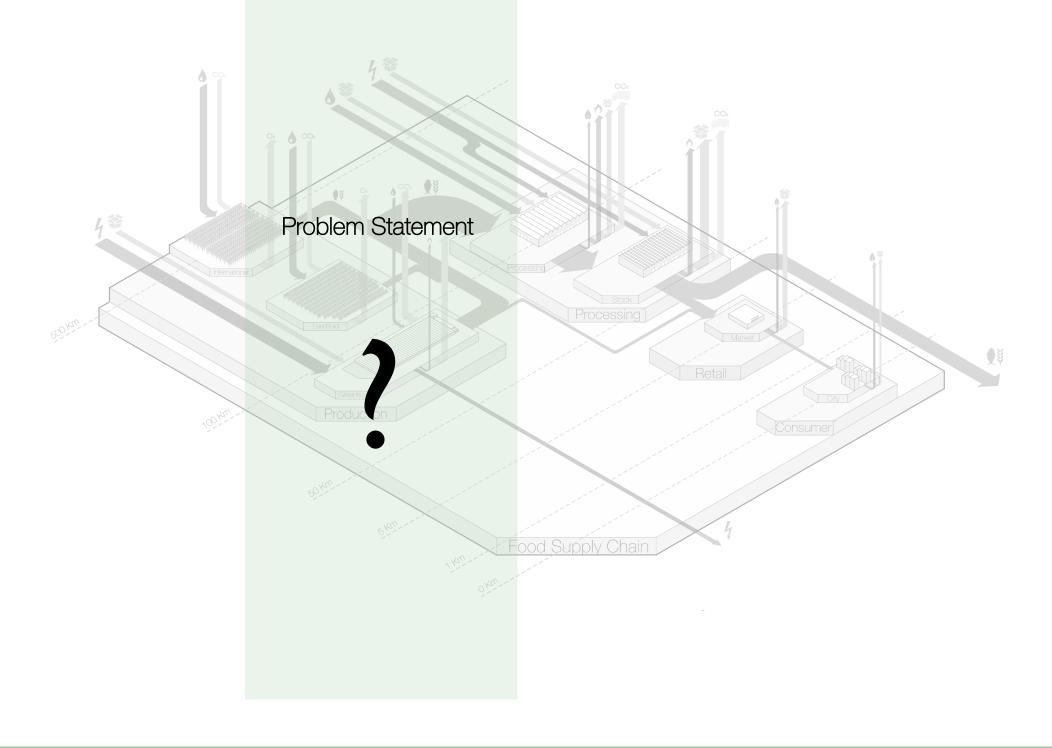


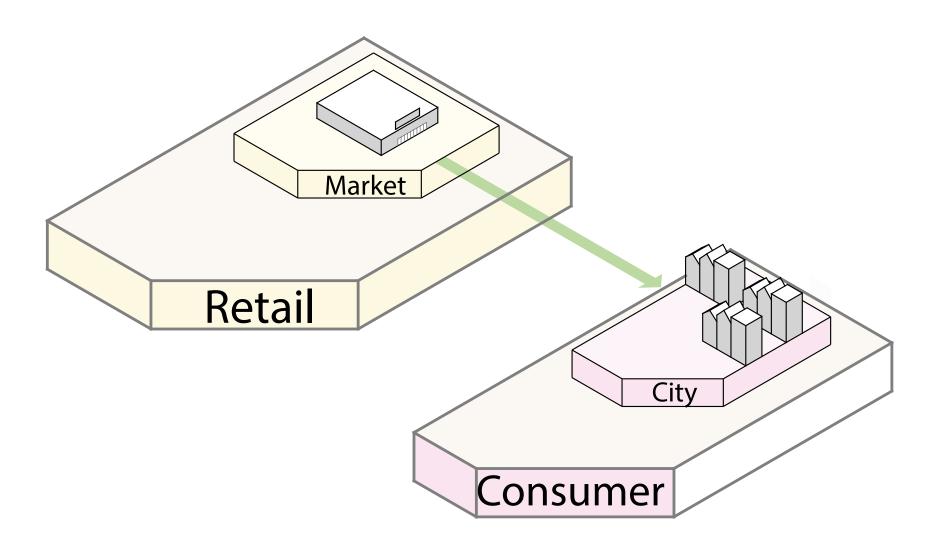
People

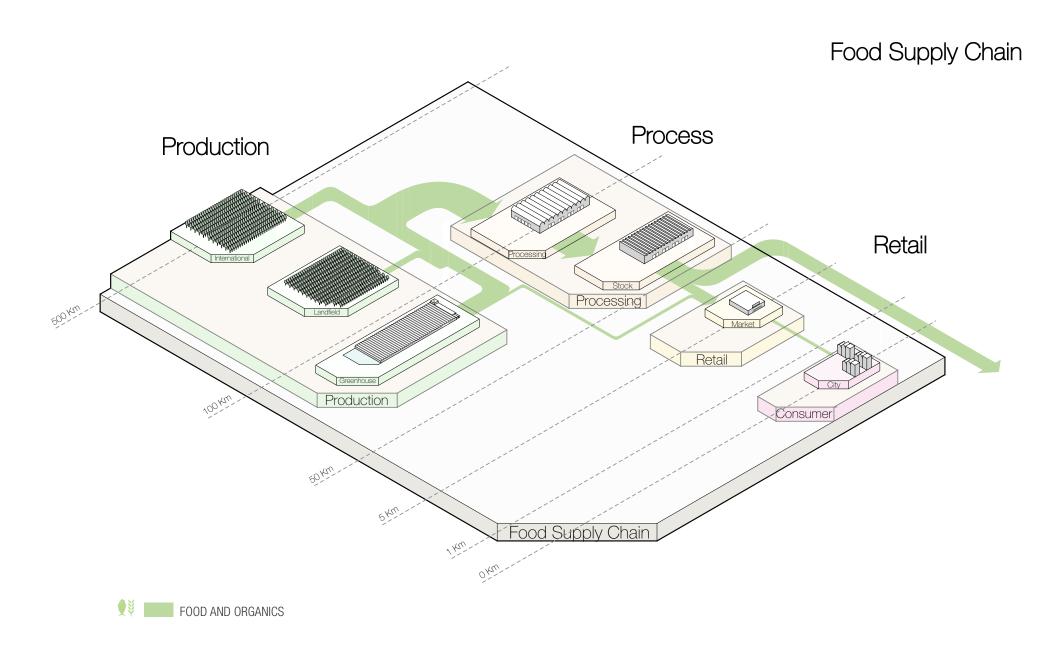


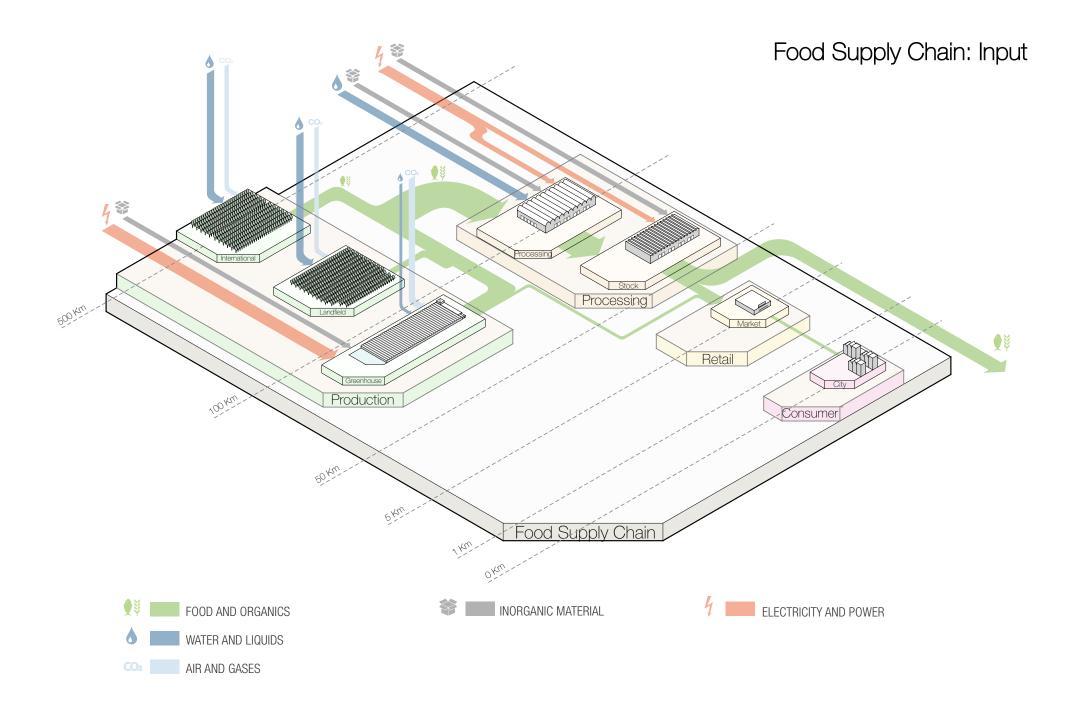
Food Network

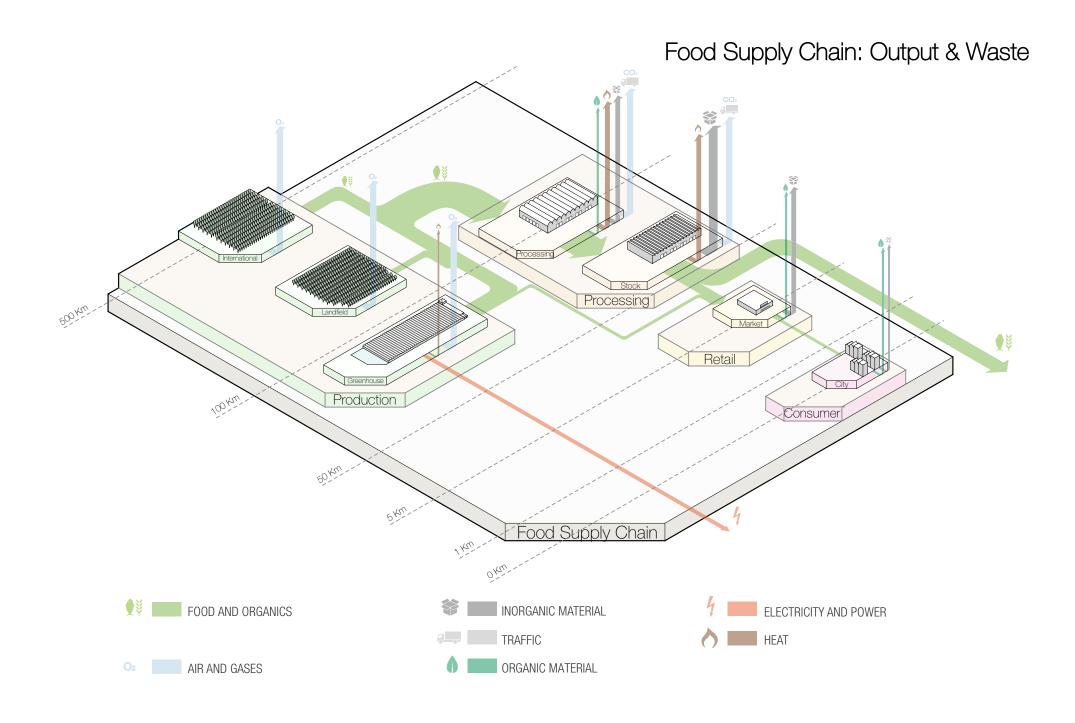


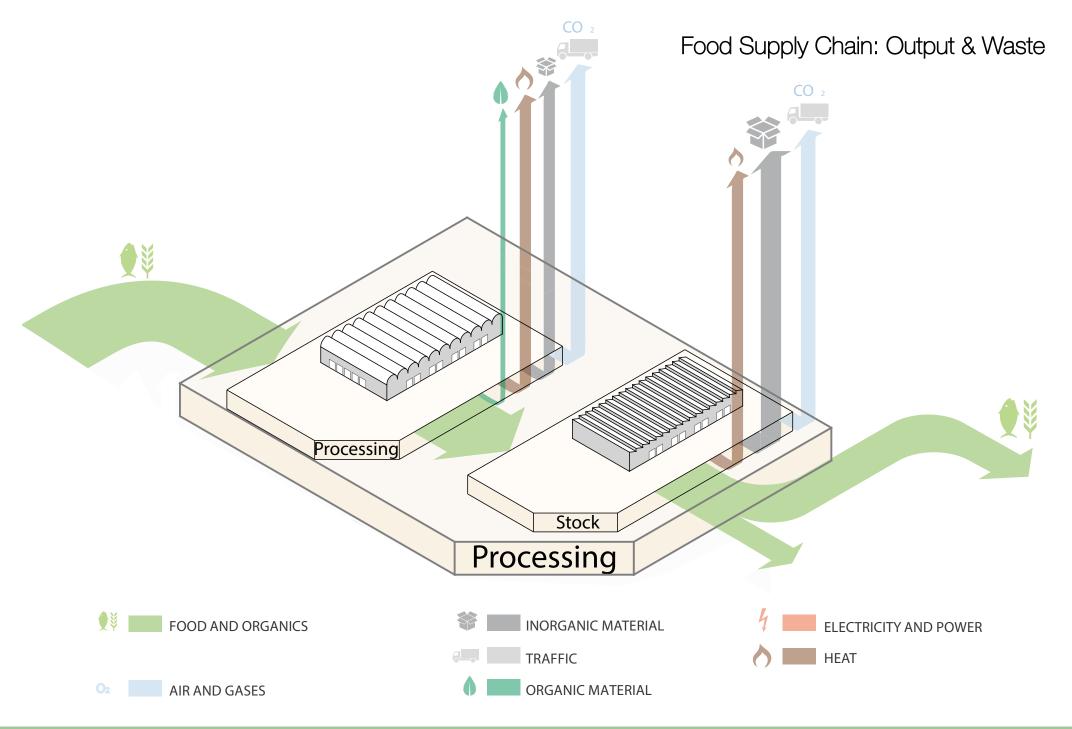




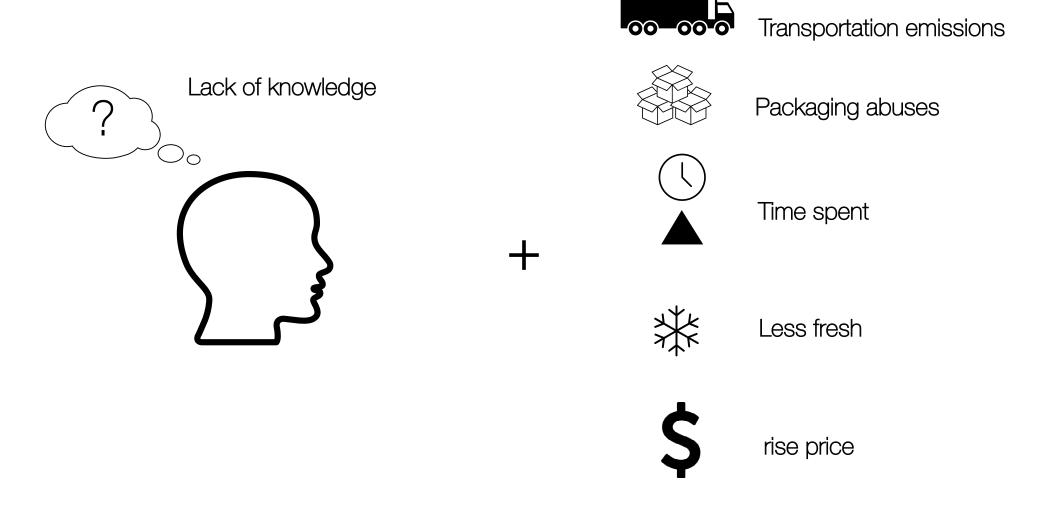


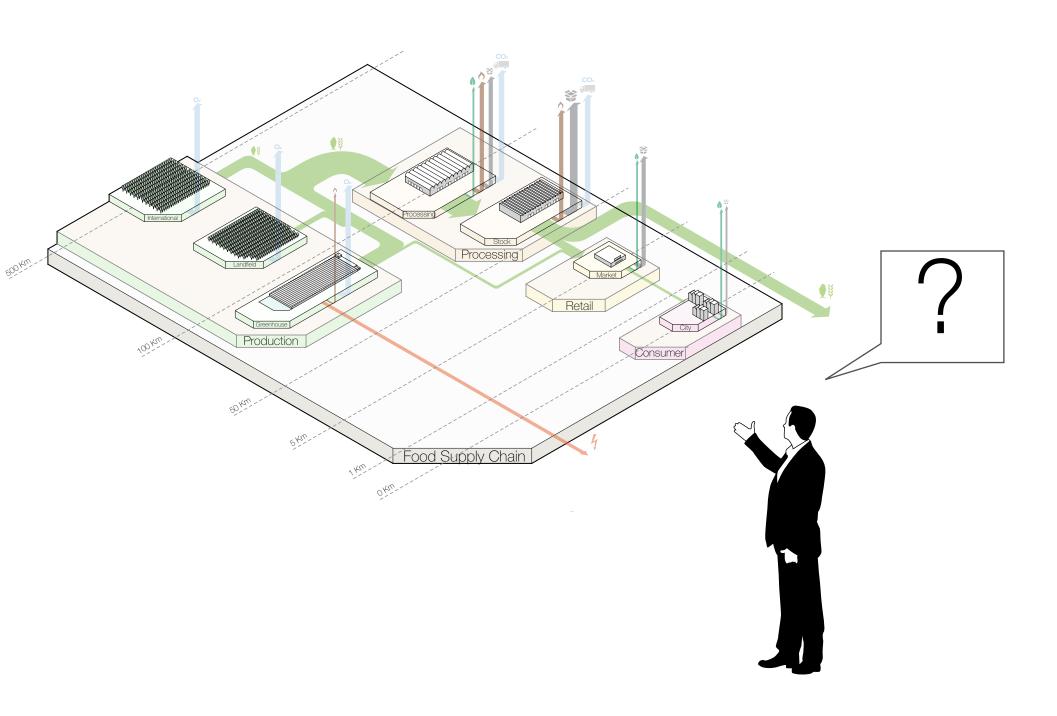






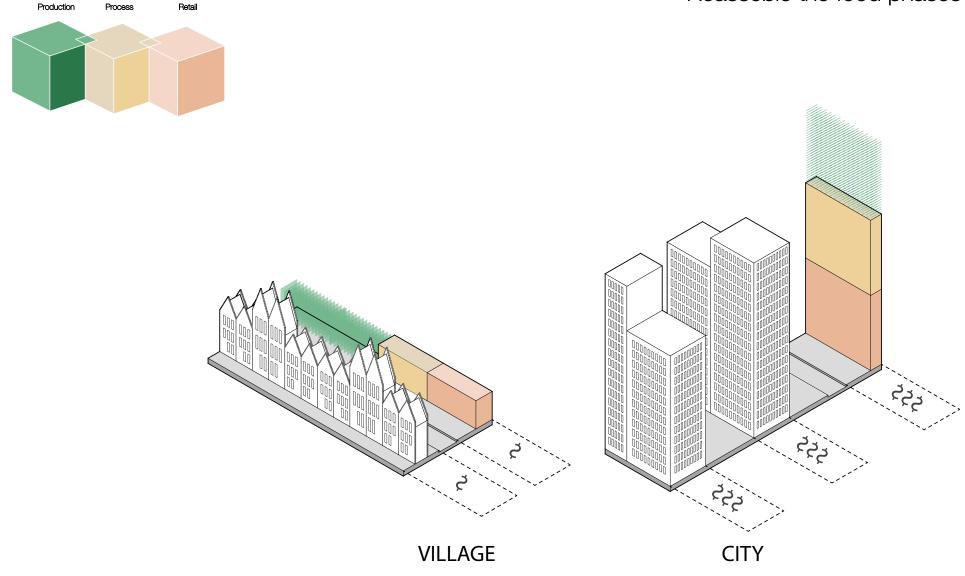
Problem Statement



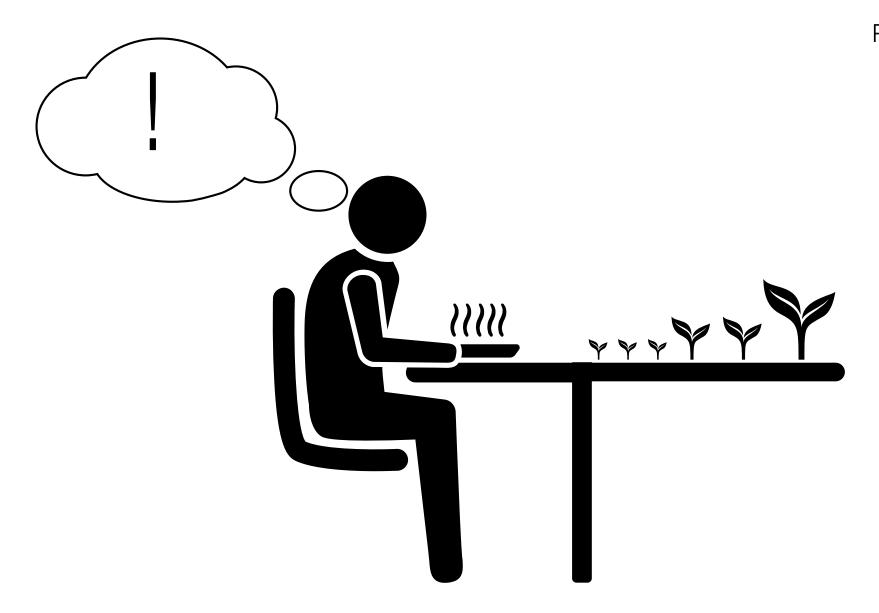


1_ Goal Production Process Reduce use of resources Processing Stock Processing FOOD AND ORGANICS INORGANIC MATERIAL ELECTRICITY AND POWER TRAFFIC HEAT ORGANIC MATERIAL O₂ AIR AND GASES

2 Goal Reasseble the food phases



3 Goal People experience



People Diet

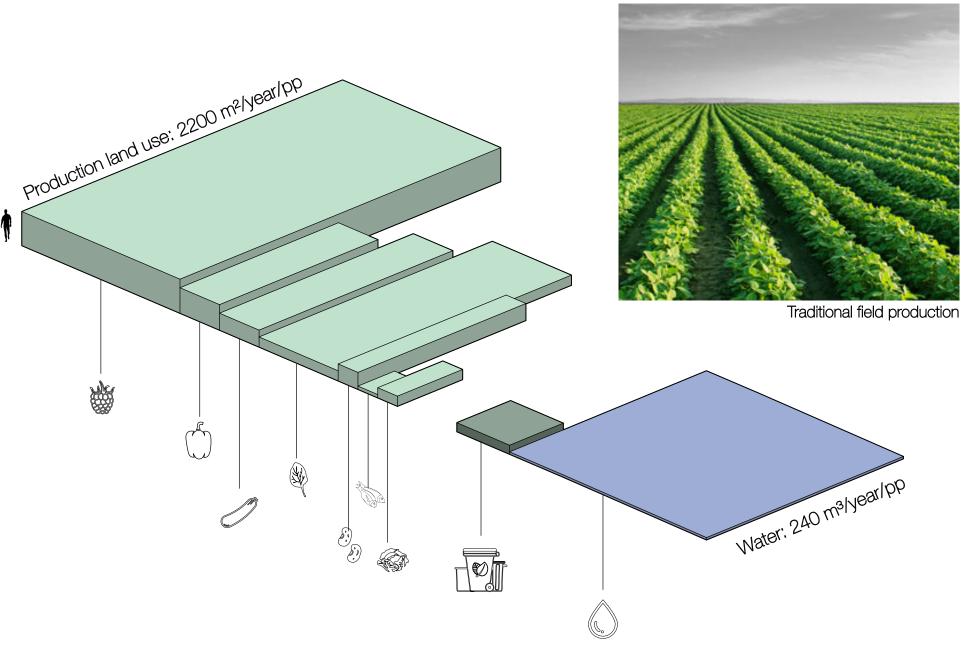
2500 kcal /day

Iron

Vitamines

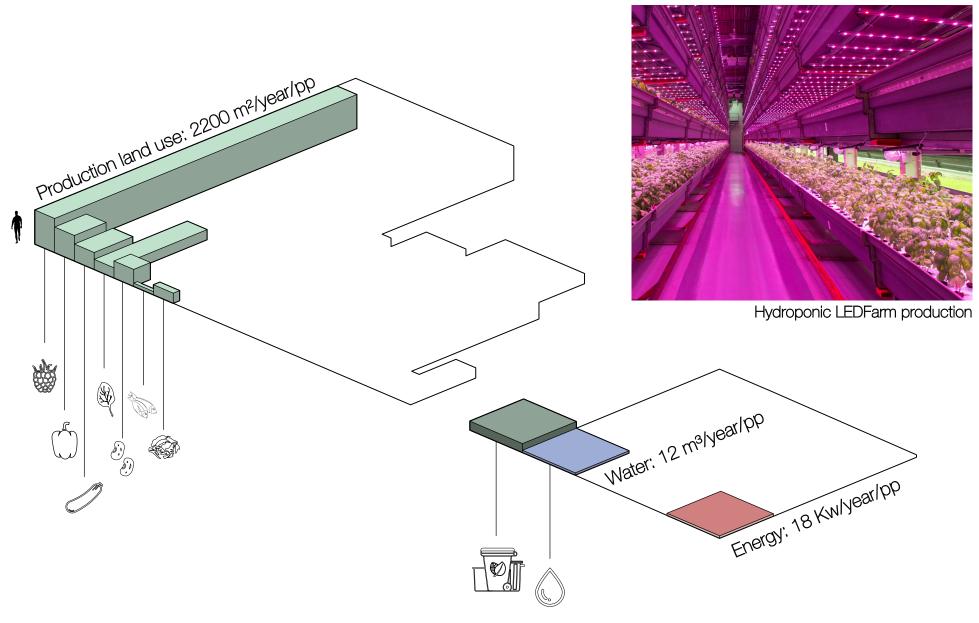
Protein
Fat

Food & Resources

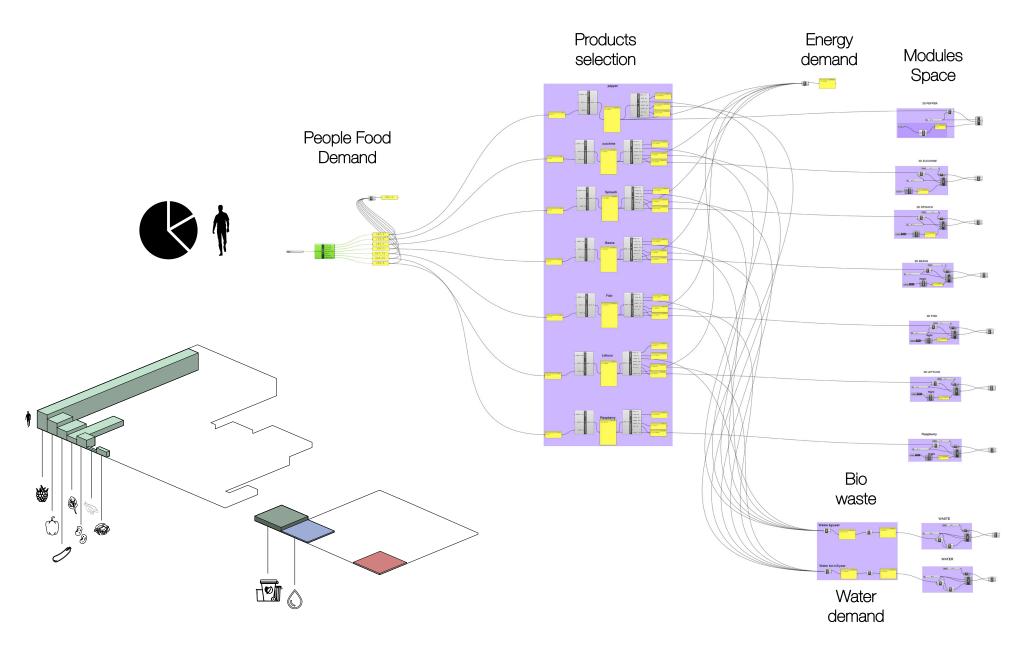


Food & Resources Production land use: 2200 m²/year/pp Hydroponic Greenhouse production Water: 12 m³Near/pp

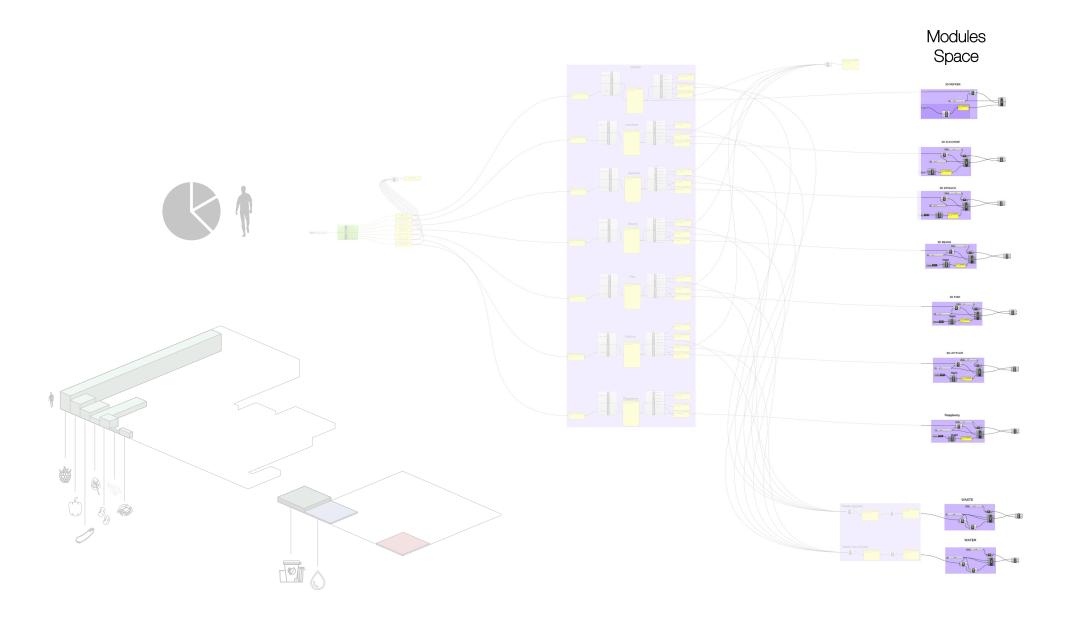
Food & Resources

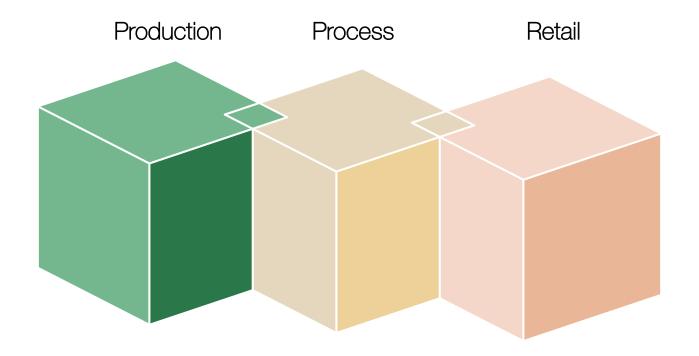


Modular Script

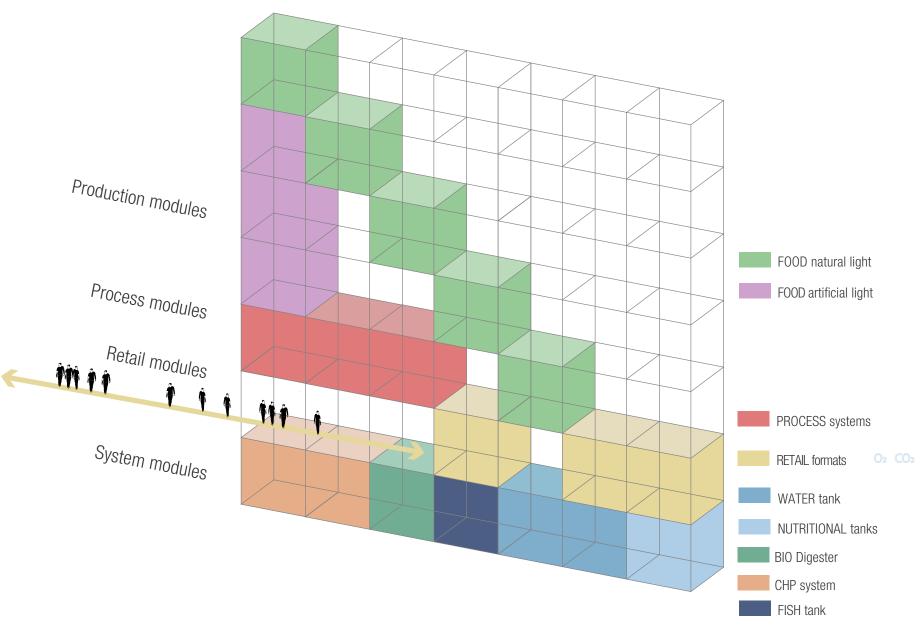


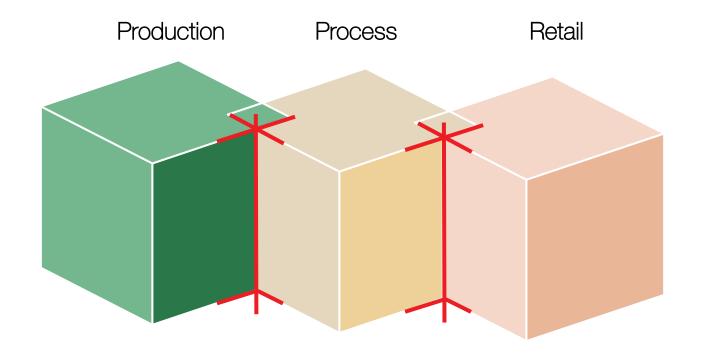
Modular Script

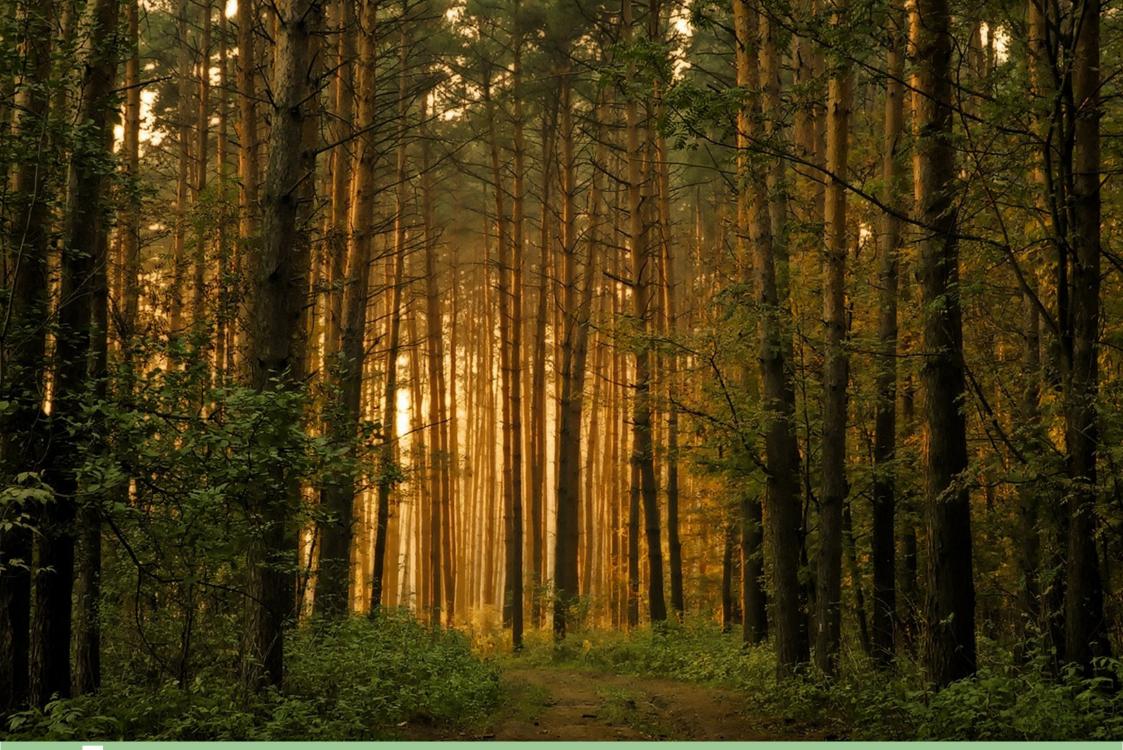




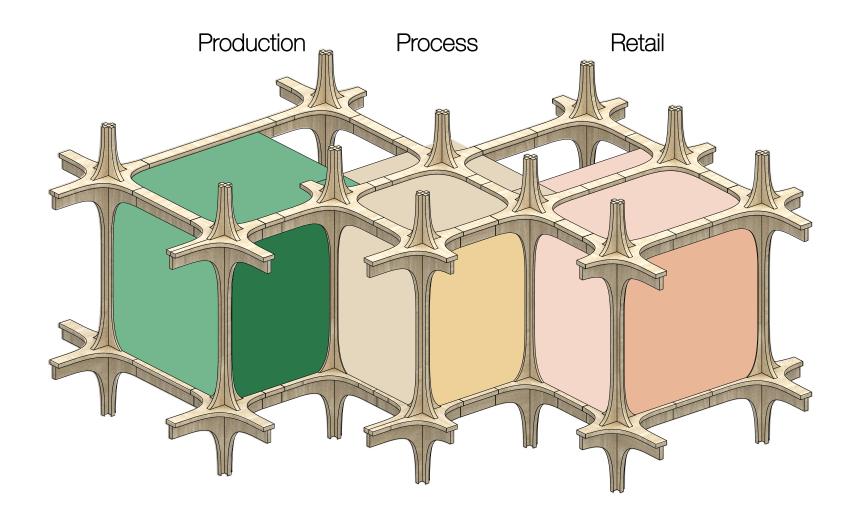
Program modules



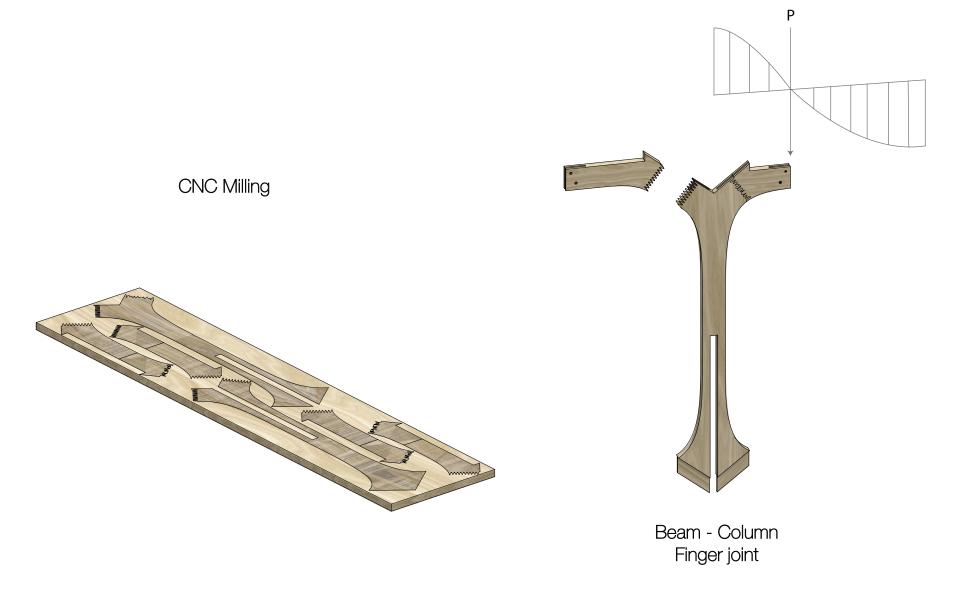




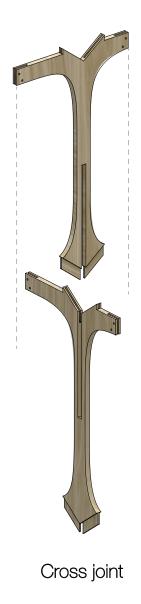
Modular structure

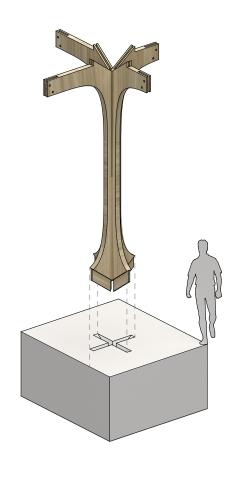


Modular structure Shape & fabrication



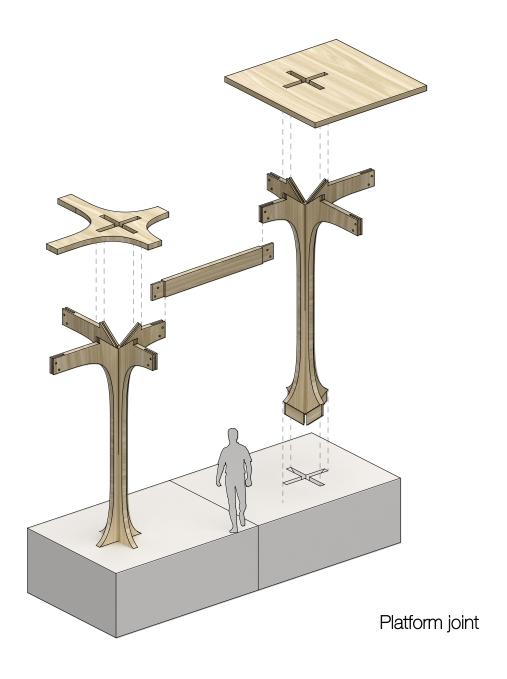
Modular structure assemblage



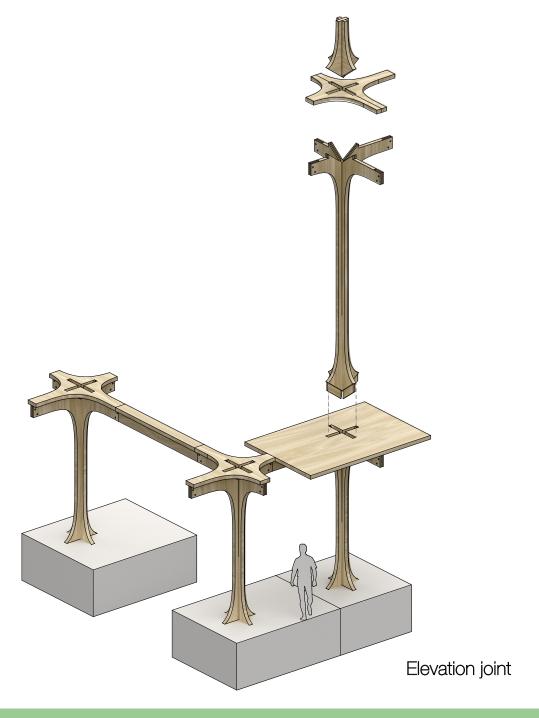


Foundation joint

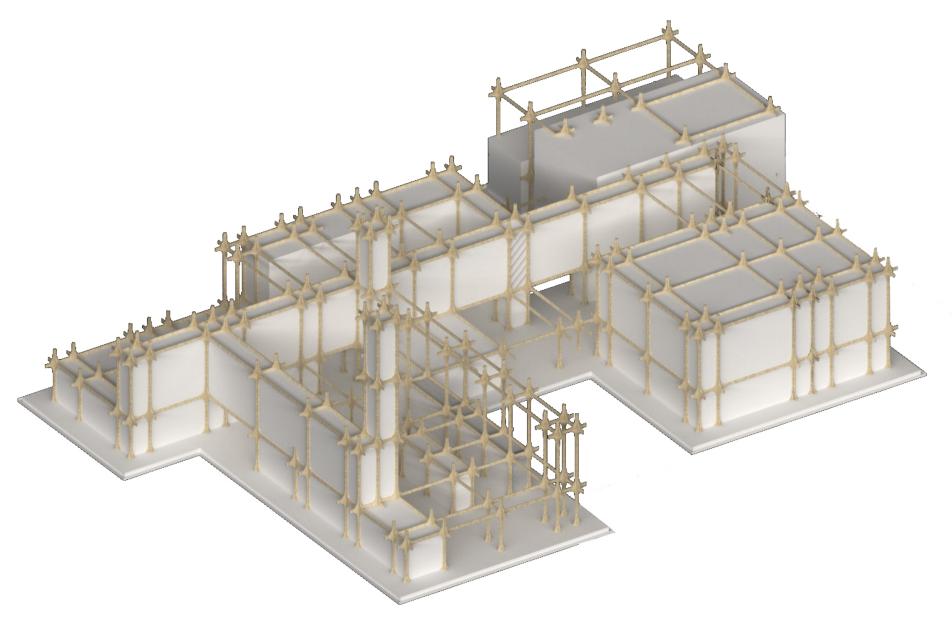
Modular structure assemblage



Modular structure assemblage

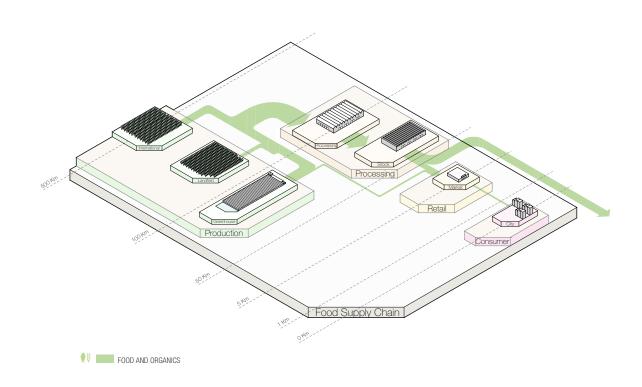


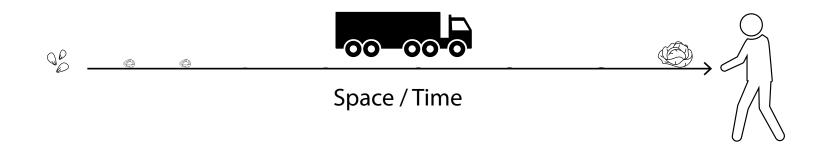
Modular structure assemblage

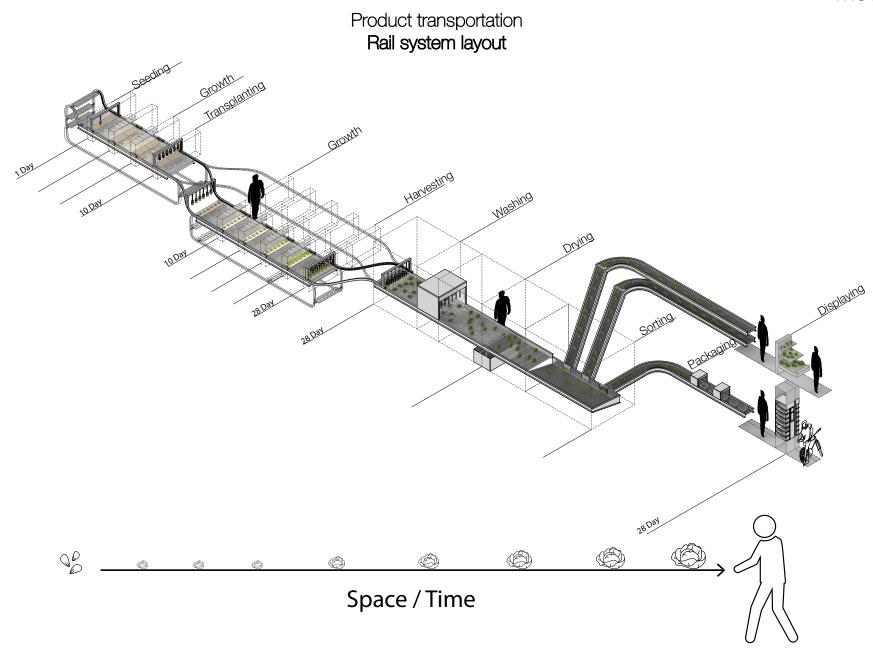


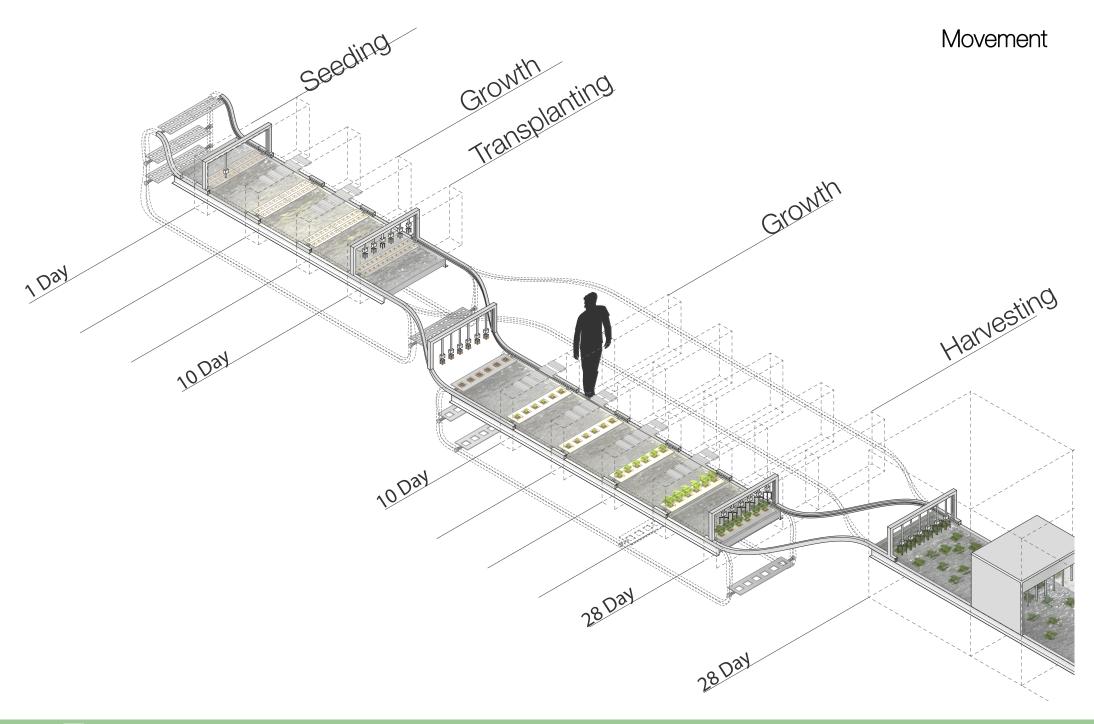
Movement

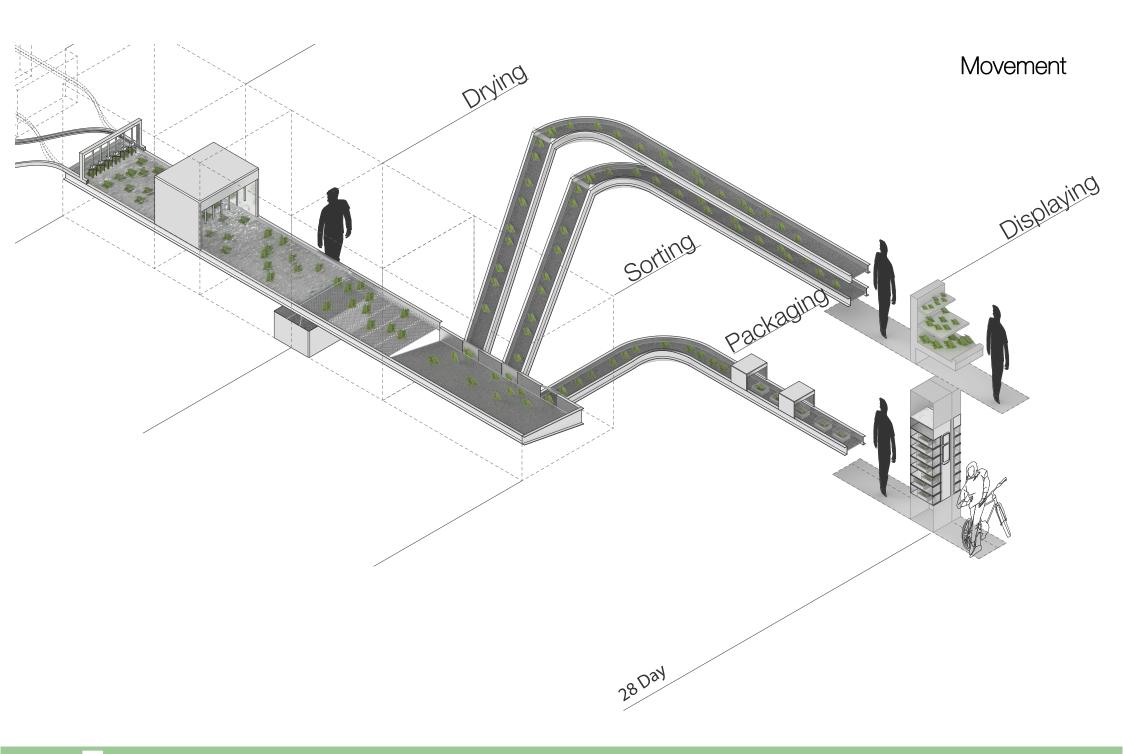
Product transportation "Food Supply Chain" layout

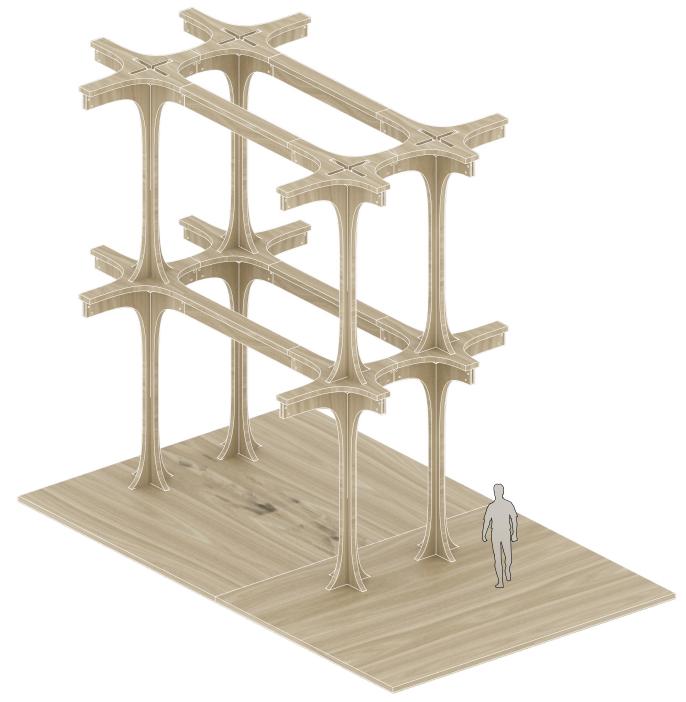


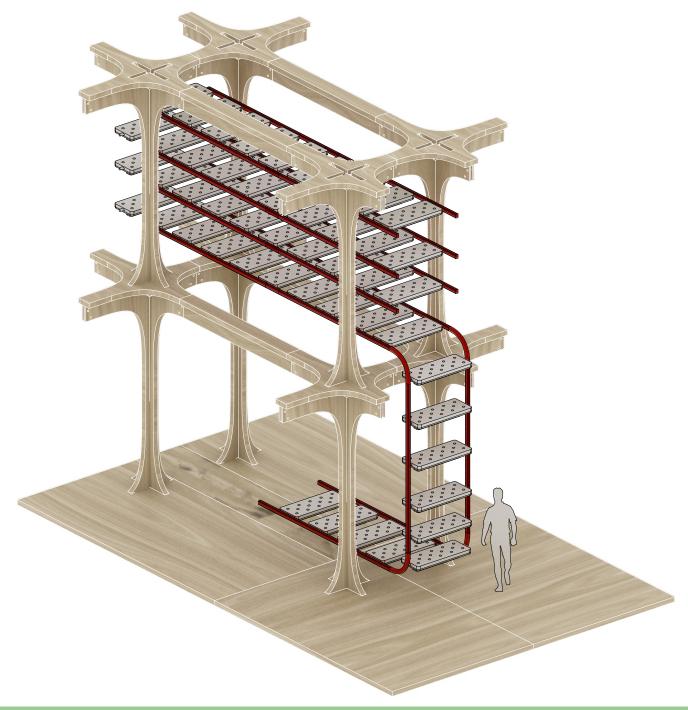


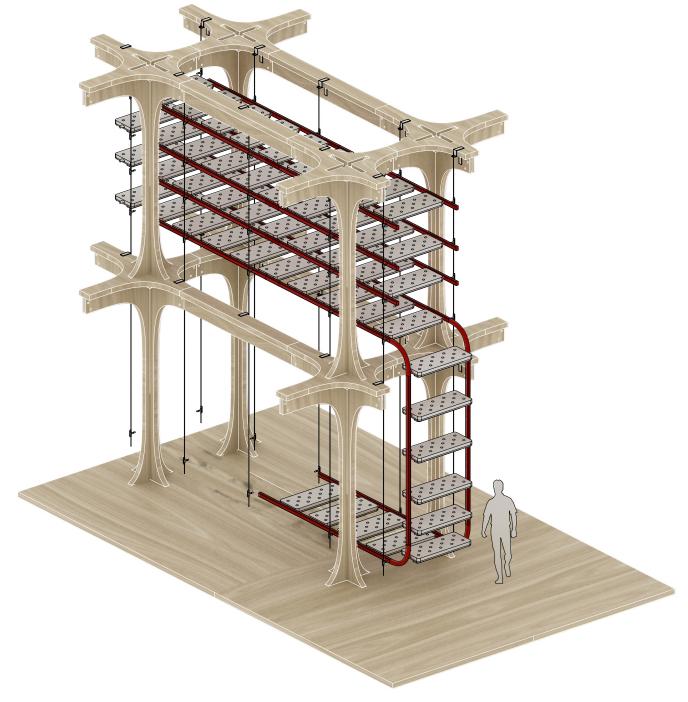




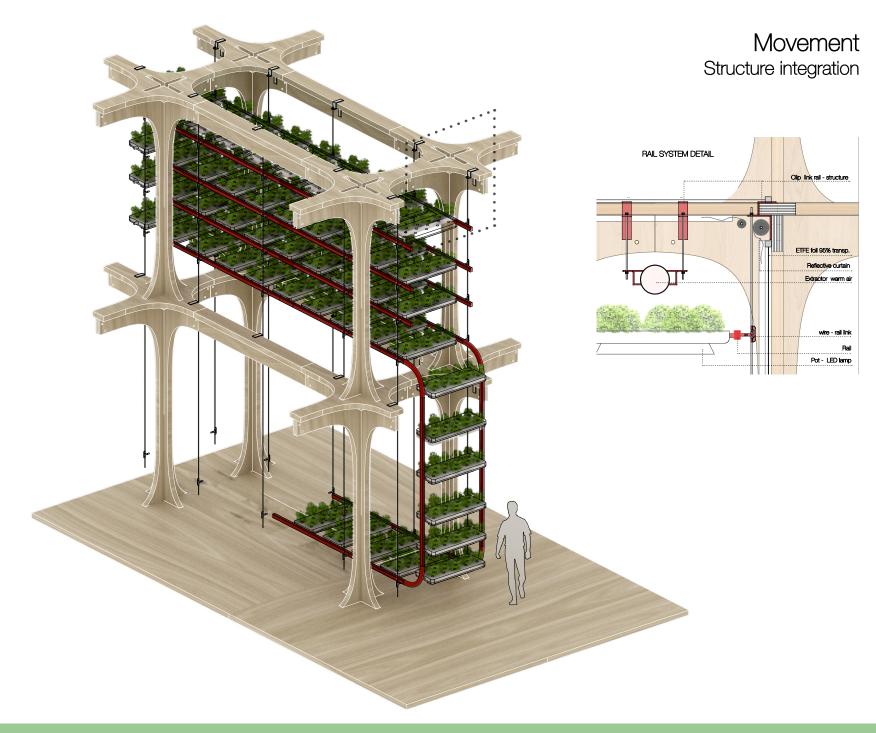




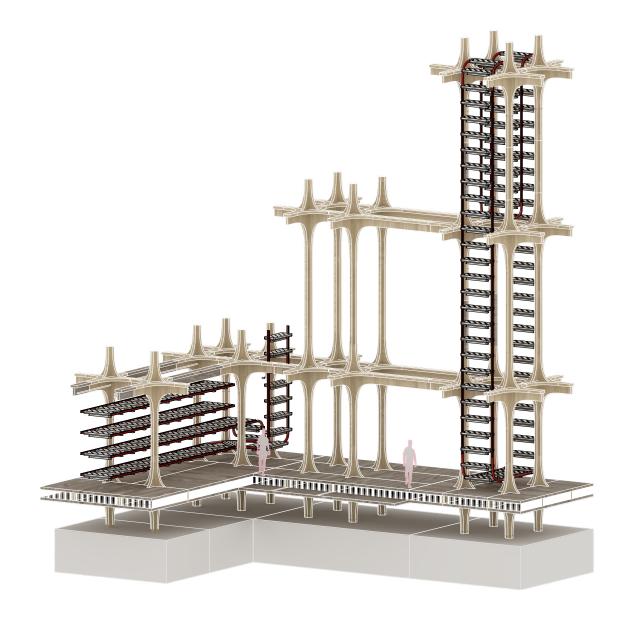






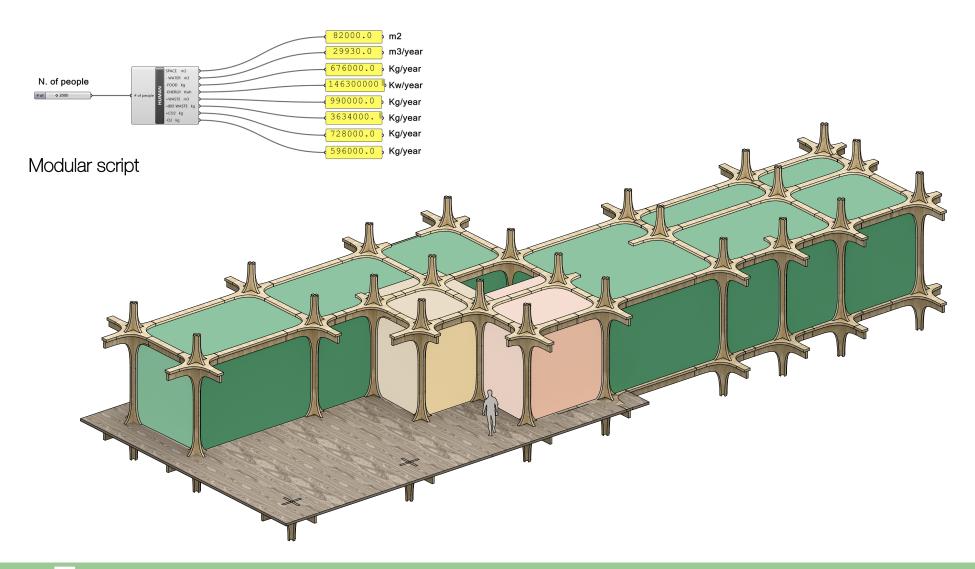


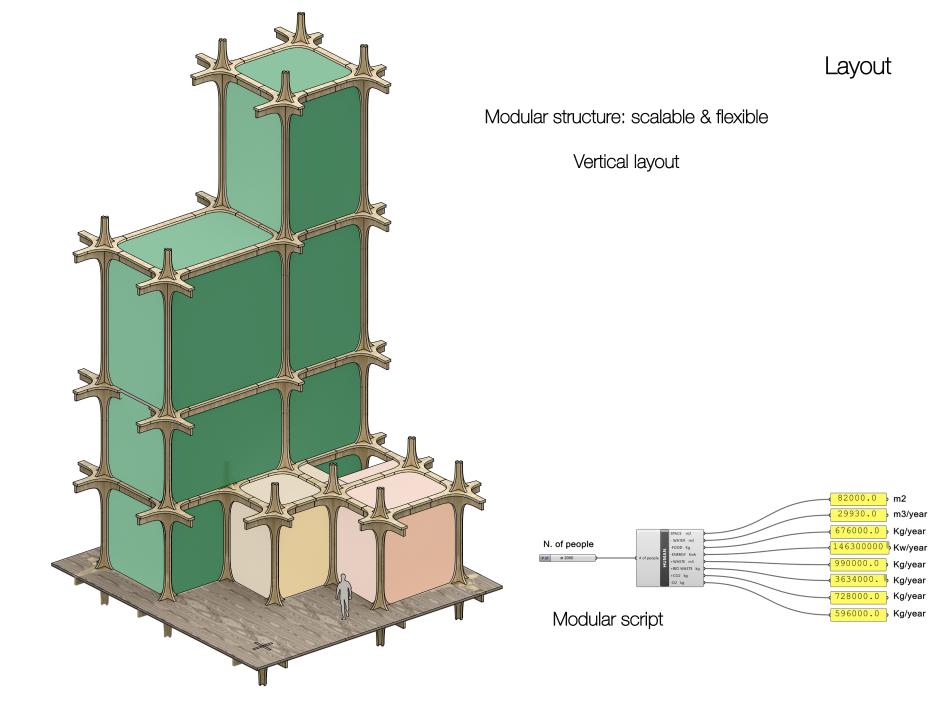
Movement Layout

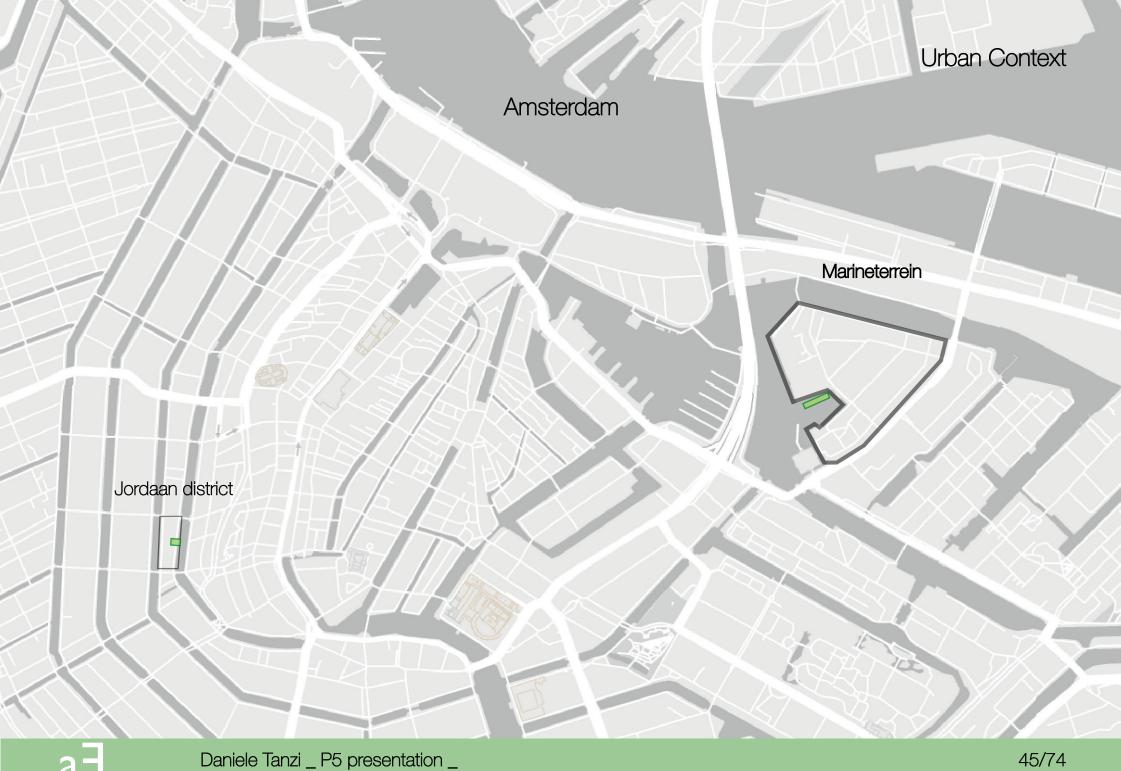


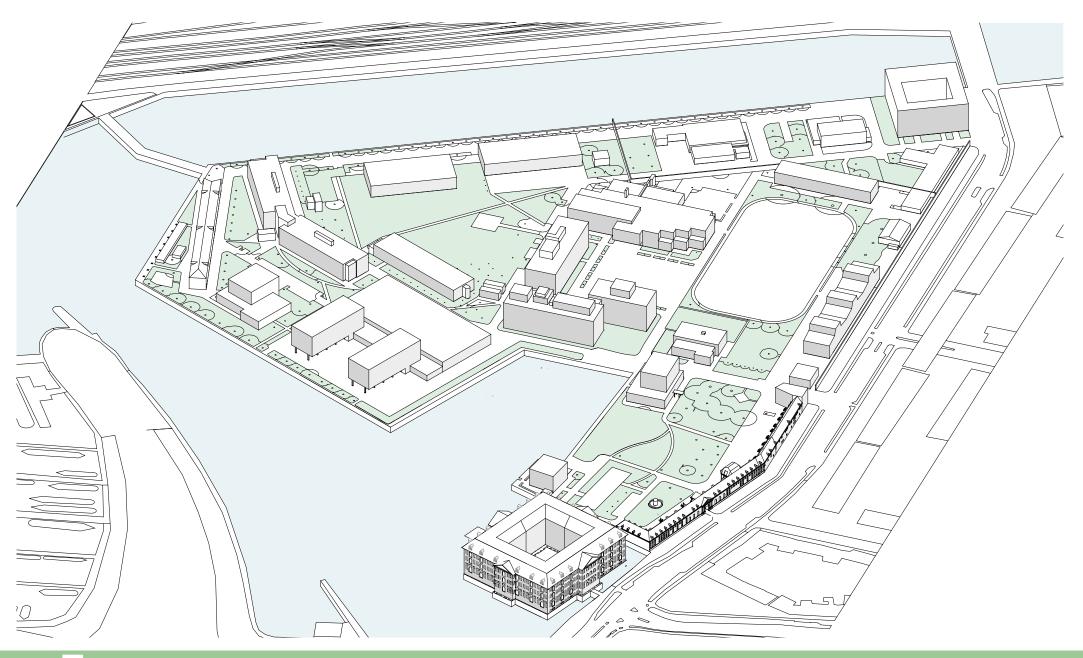
Modular structure: scalable & flexible

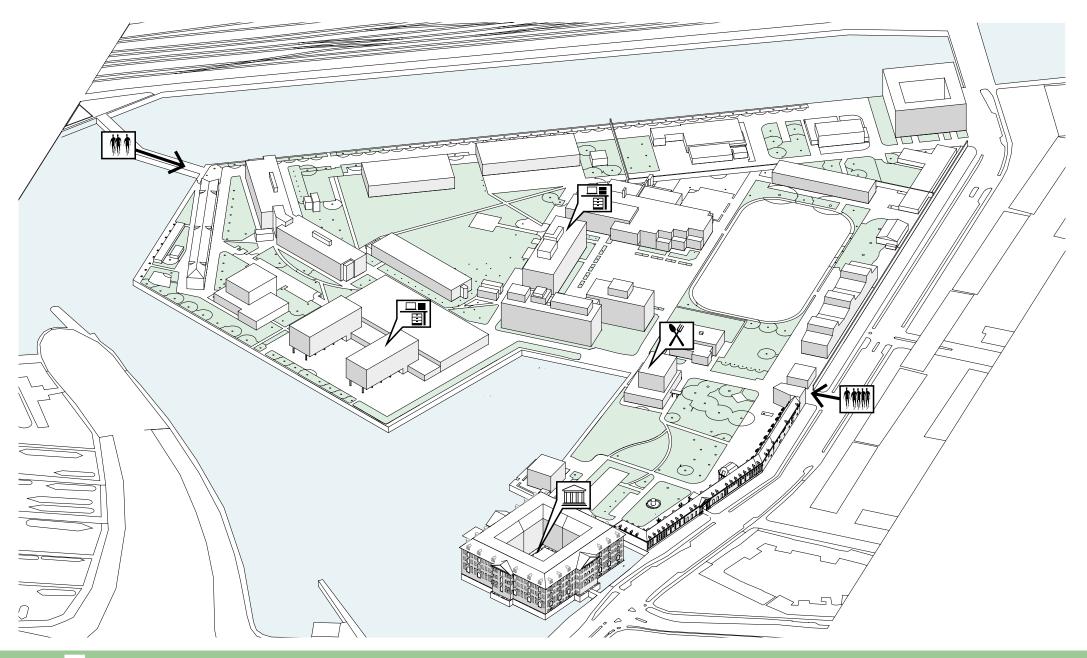
Horizontal layout

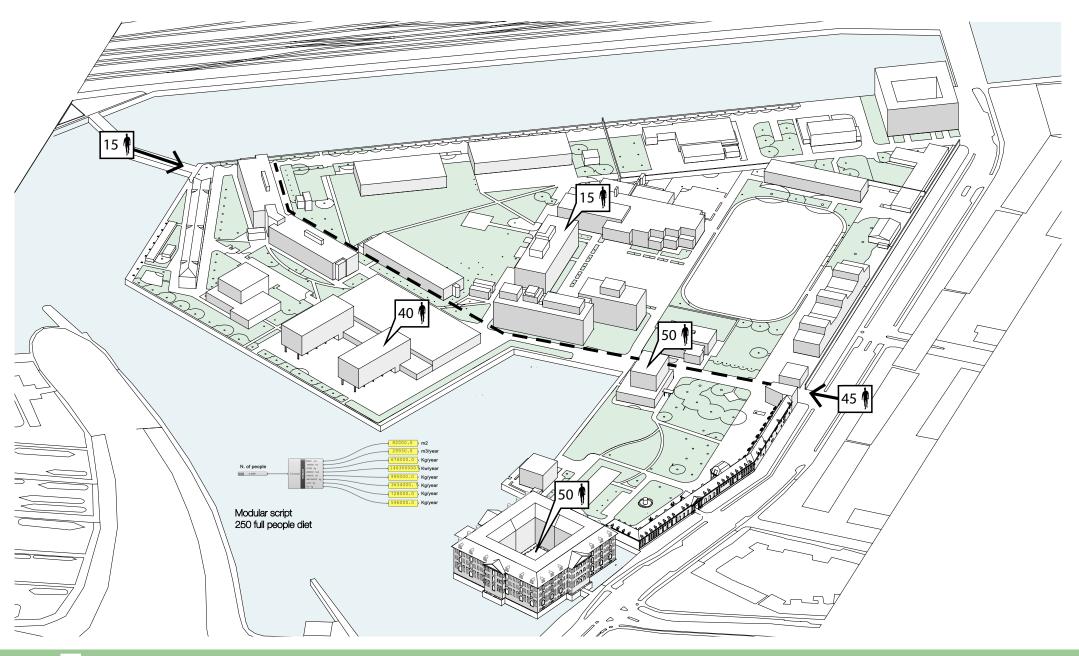


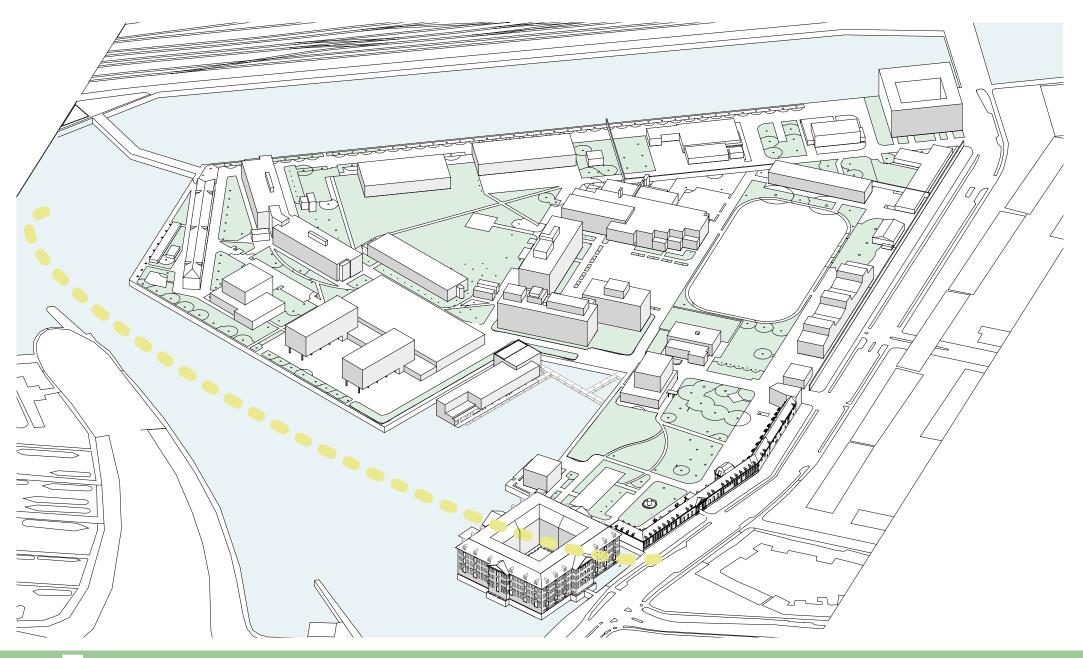


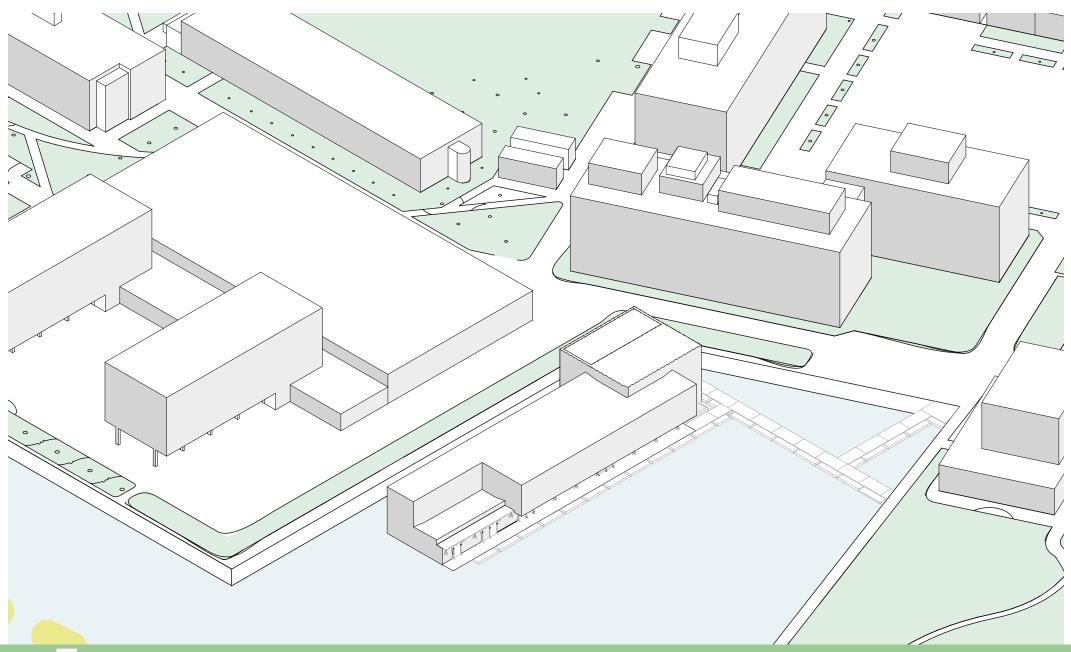


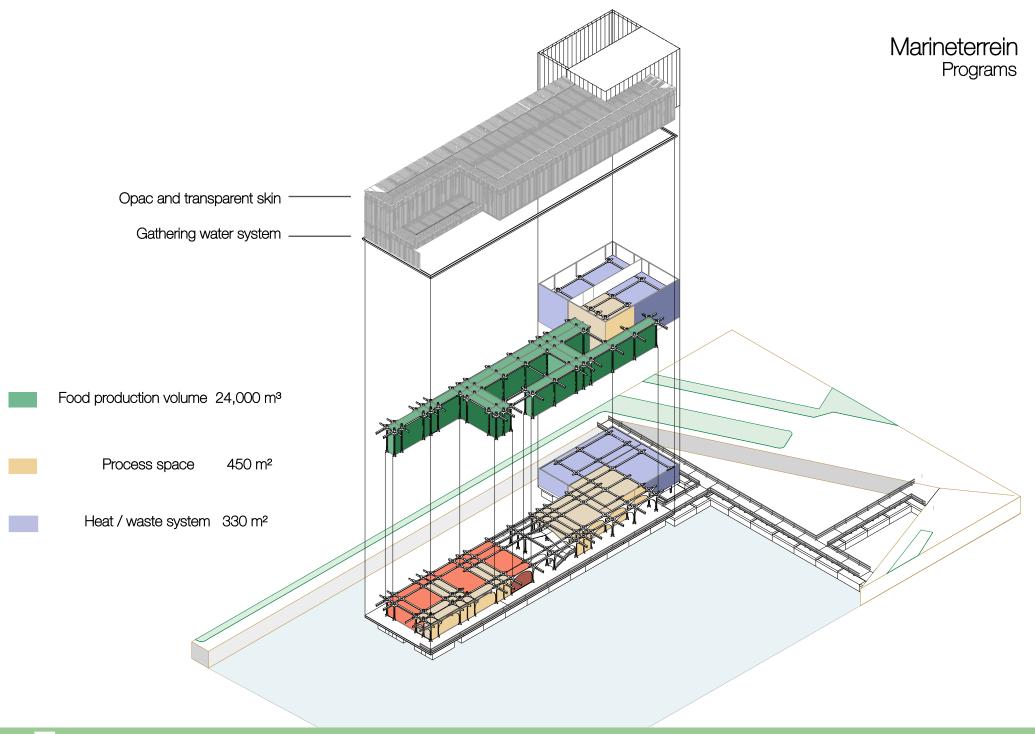


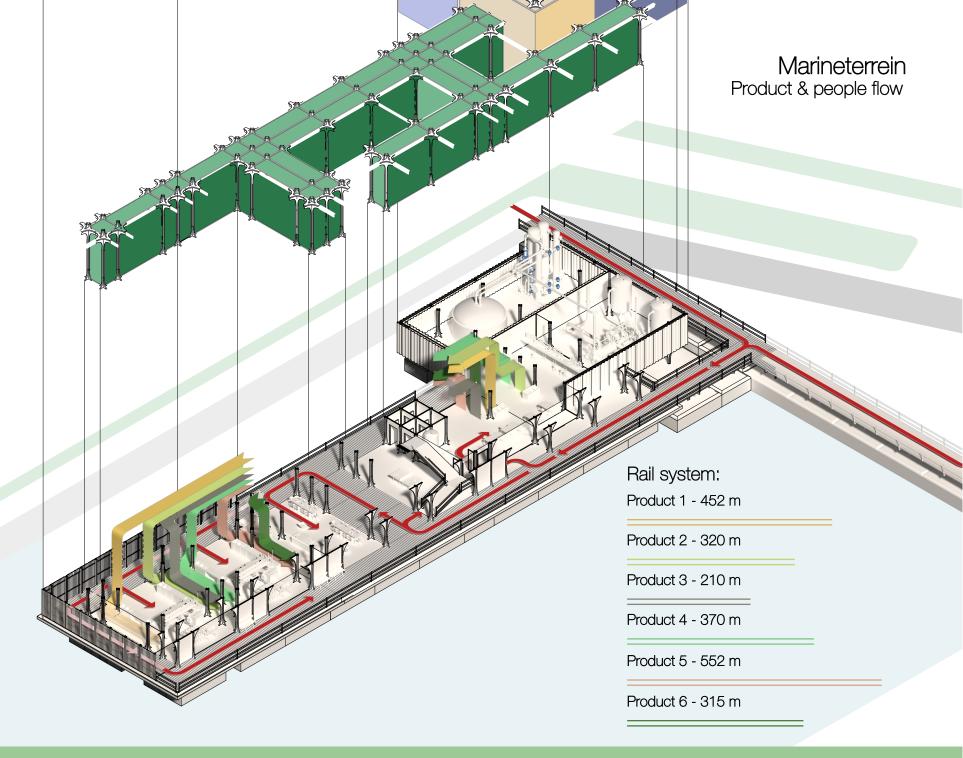




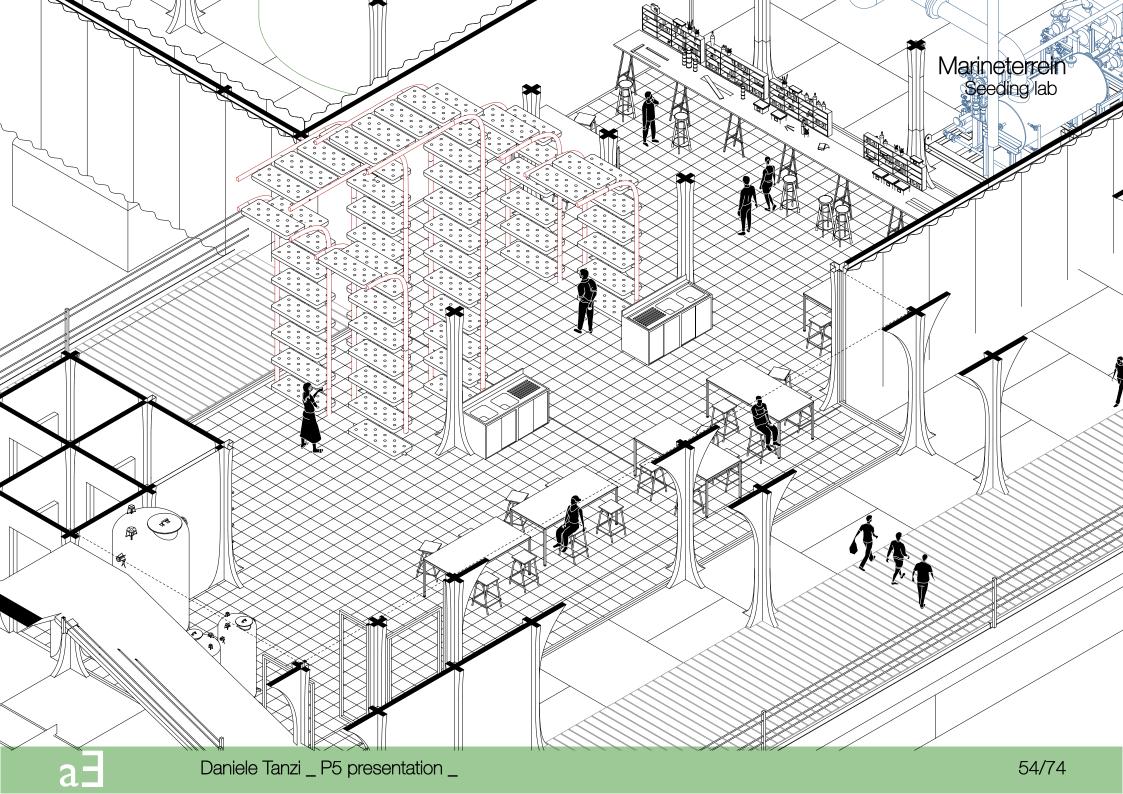




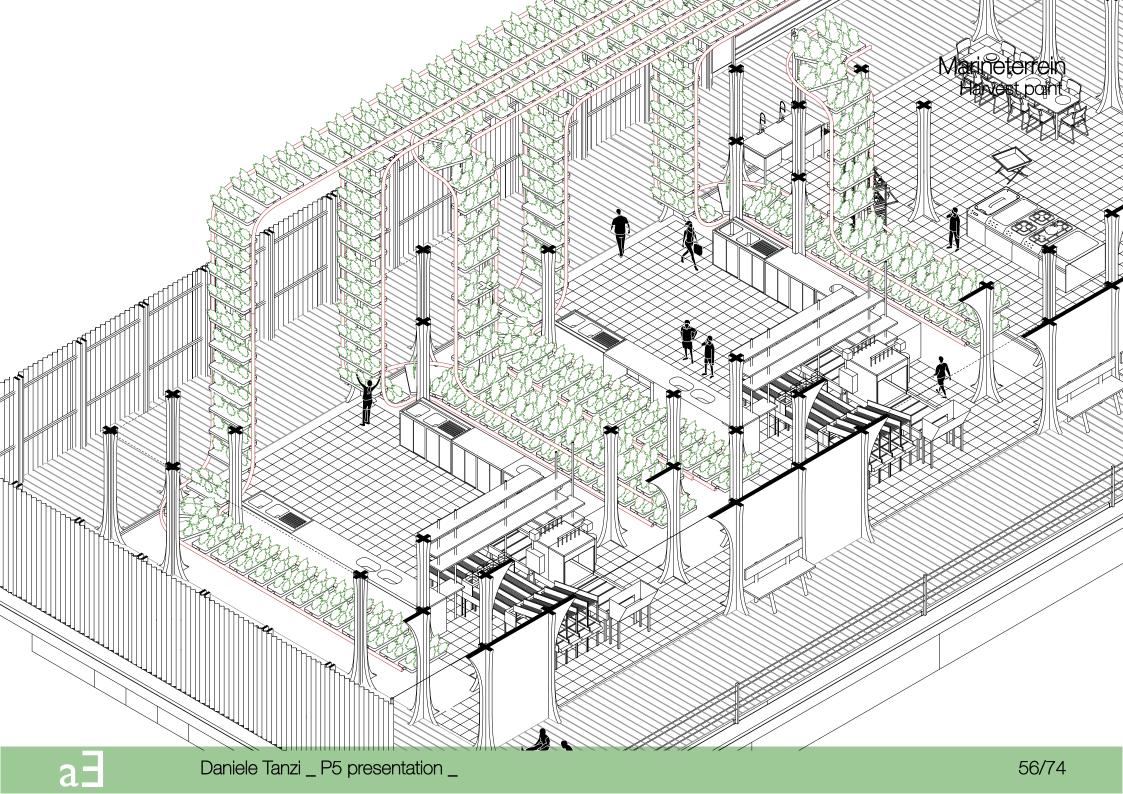




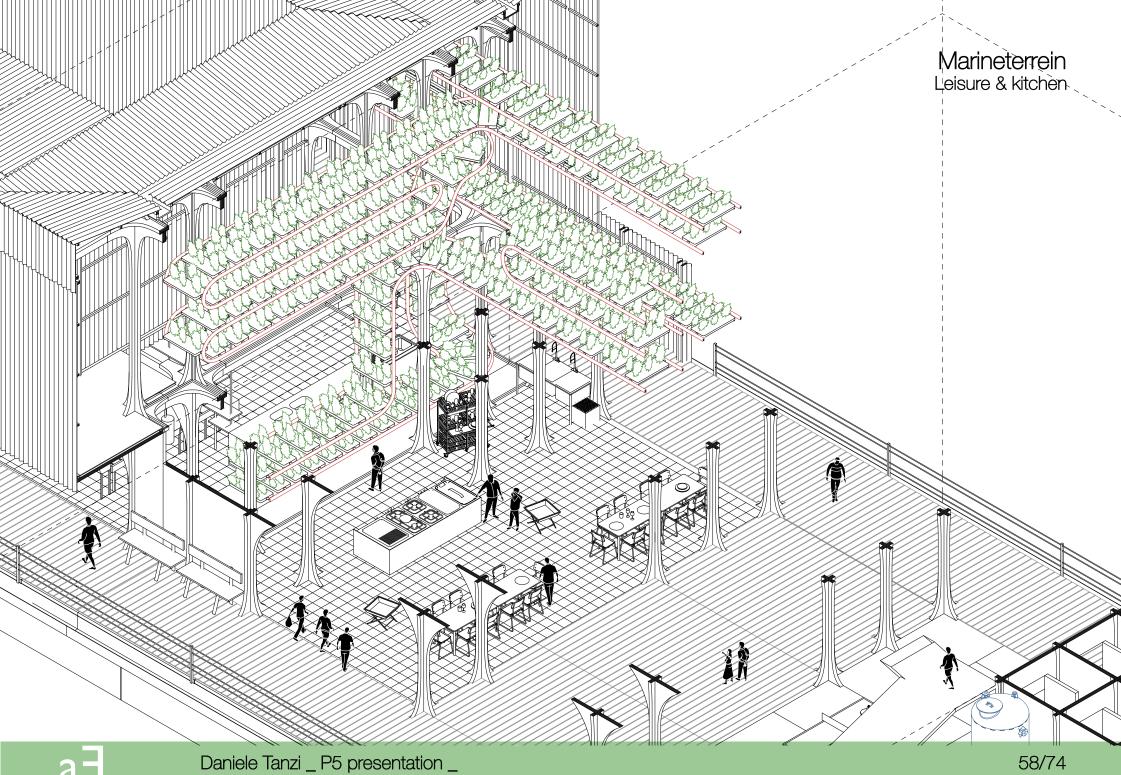




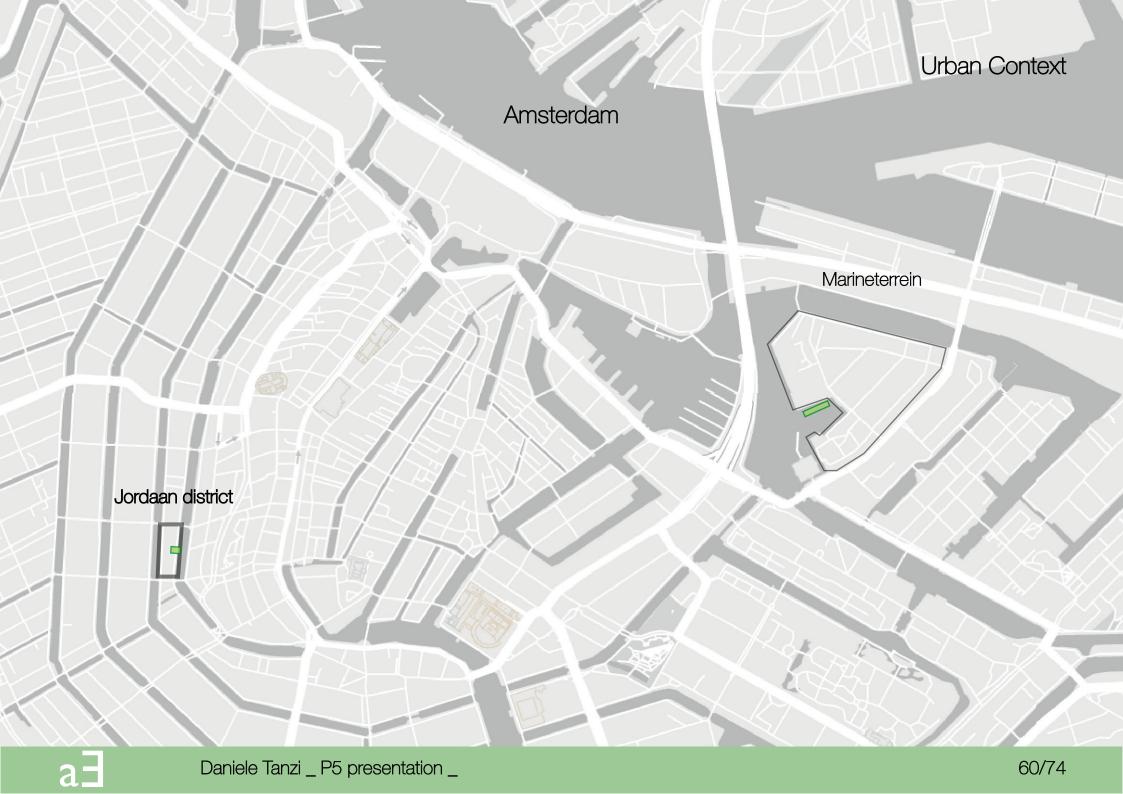


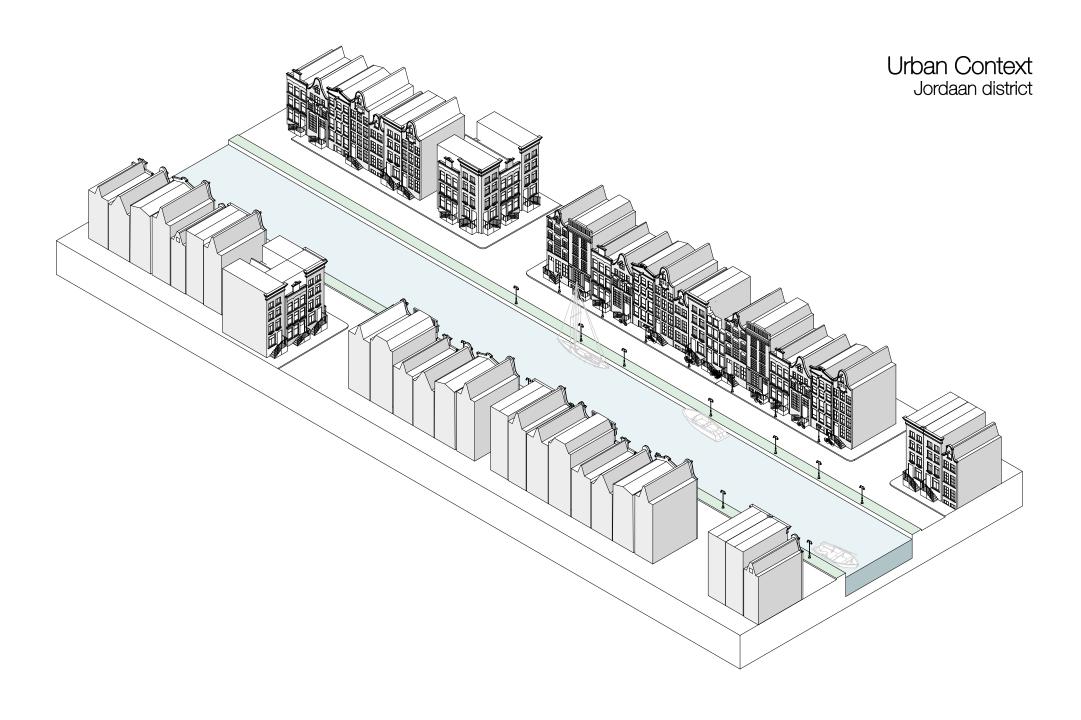


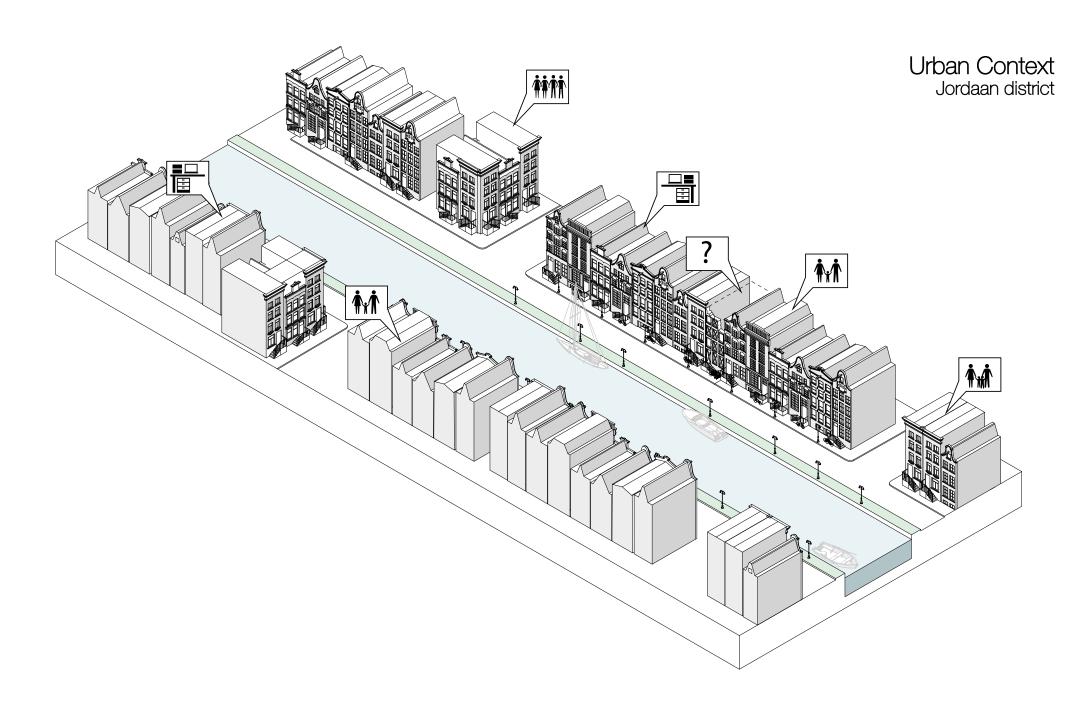


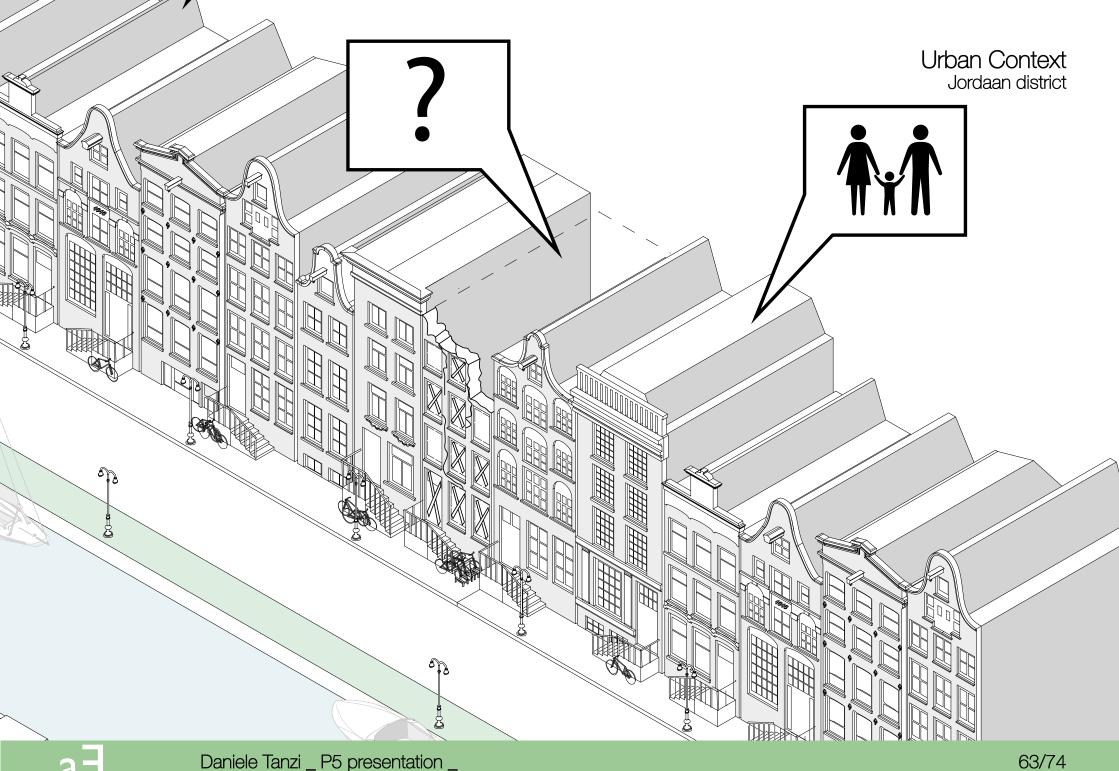












Daniele Tanzi _ P5 presentation _

