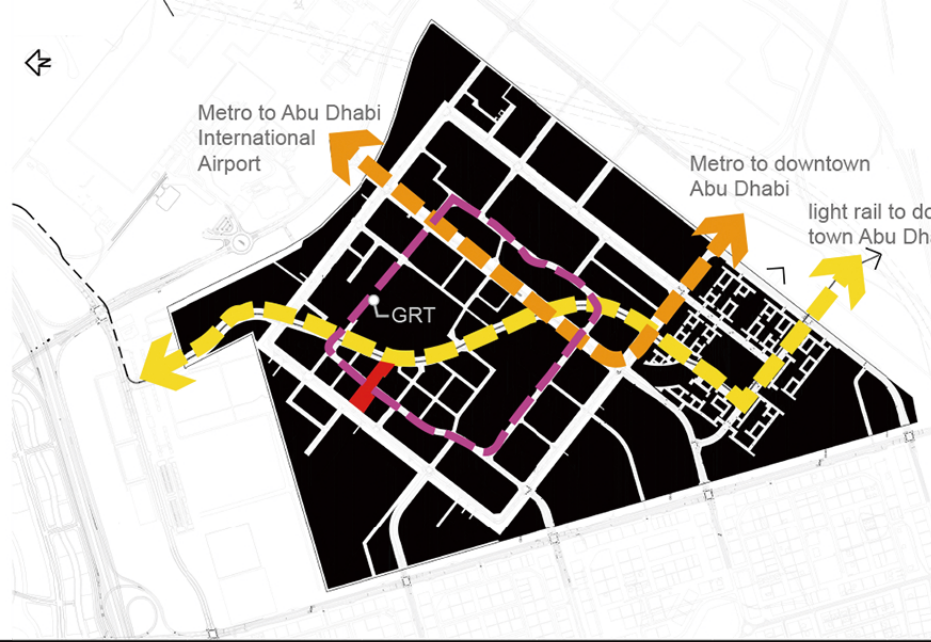




**Masdar City's main goal**  
Zero Carbon Emissions  
Create an 'Ecotopia'  
Objectives:  
\* Walkable and car-free  
\* Reliance on renewable energy  
\* Incorporate technology to form a smart city

**Greenprint** city planning that incorporates ways to reduce energy use, water use, and waste.

location

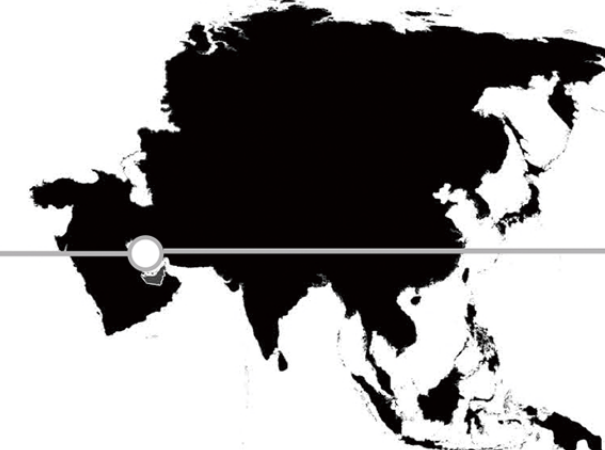


**Return To Resource**

**Energy Whale**



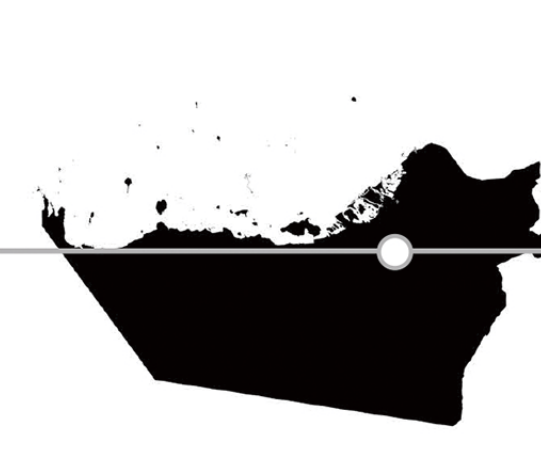
**WORLD**



**ASIA**



**UAE**



**Abu Dhabi**



**Masdar City**

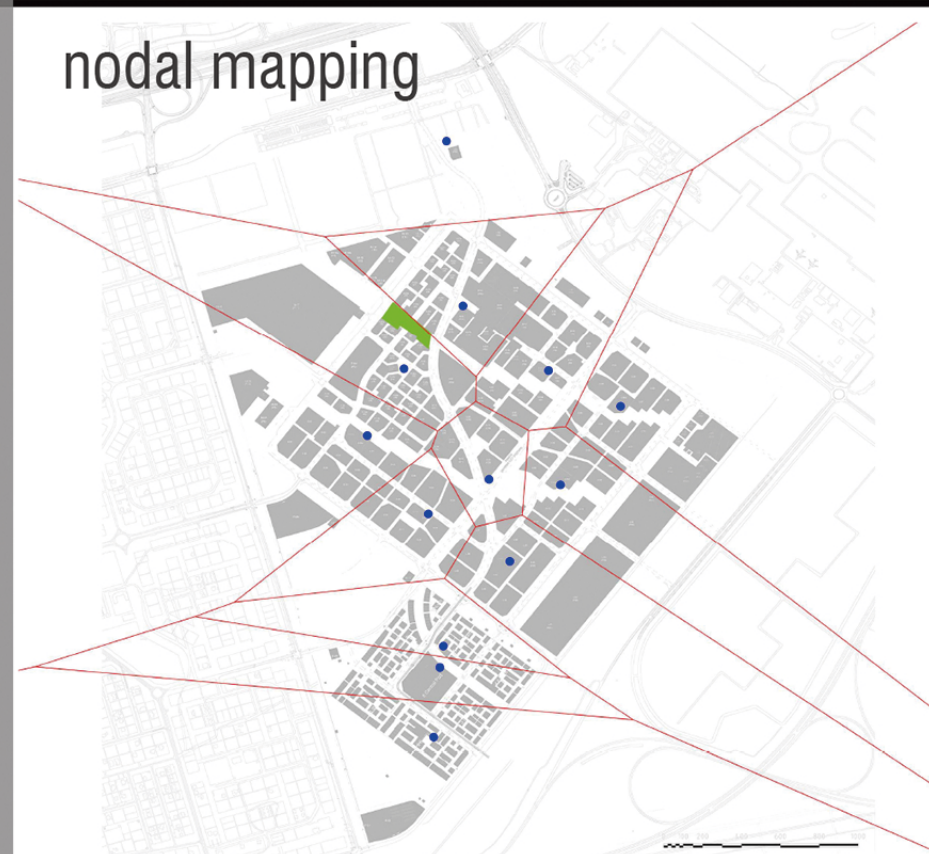


urban context



site

nodal mapping



transport



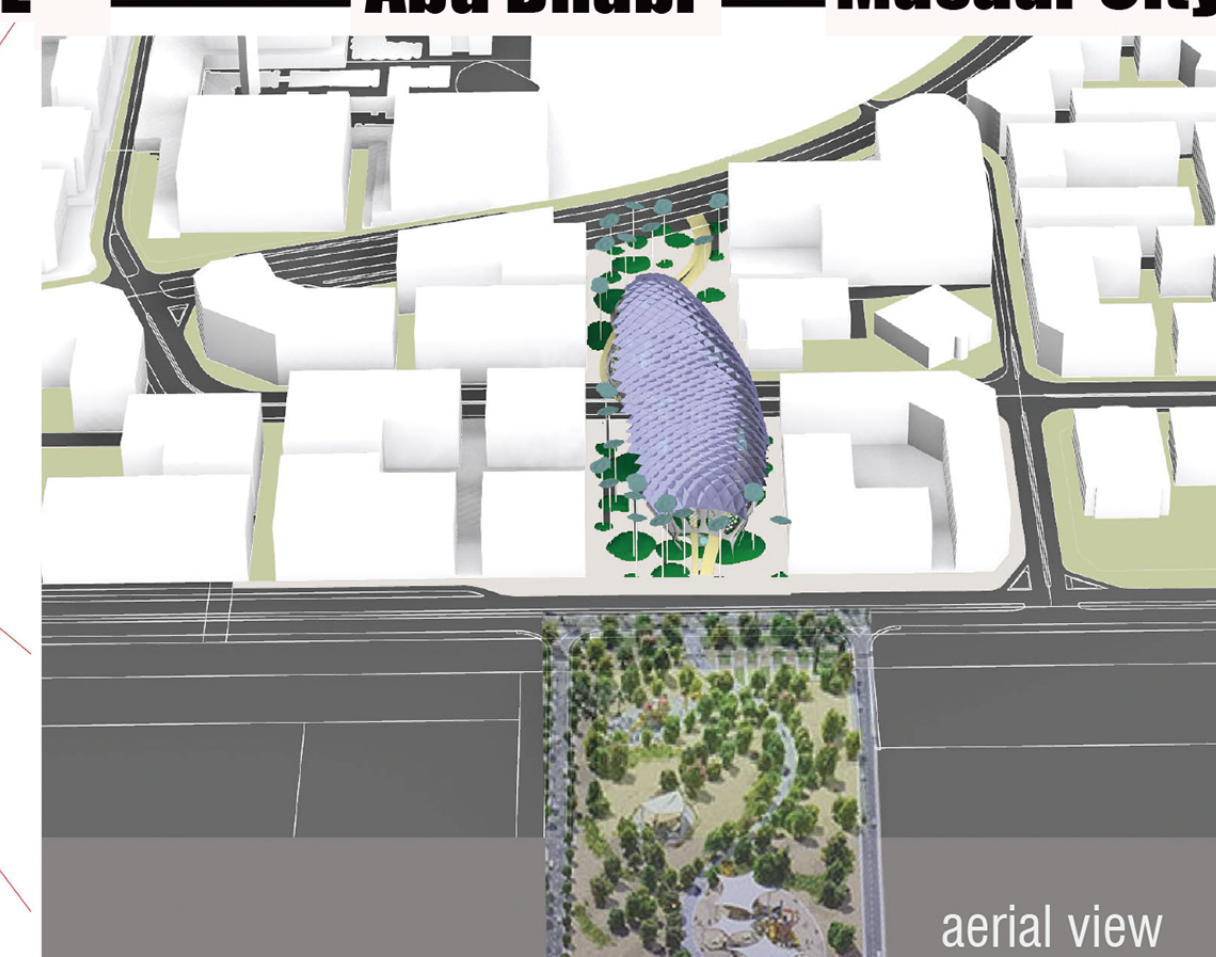
residential



open space



recreational

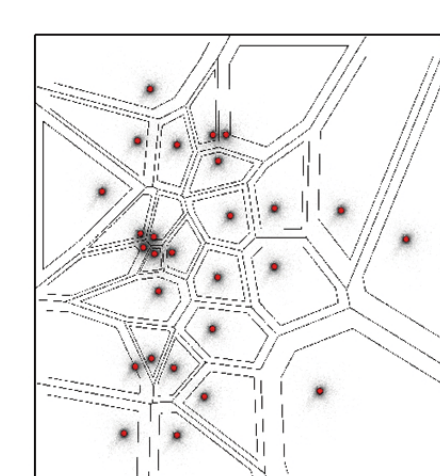
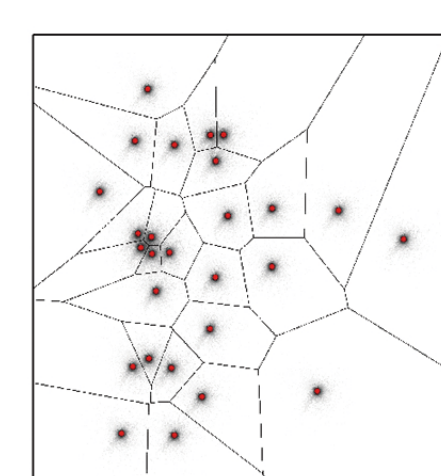
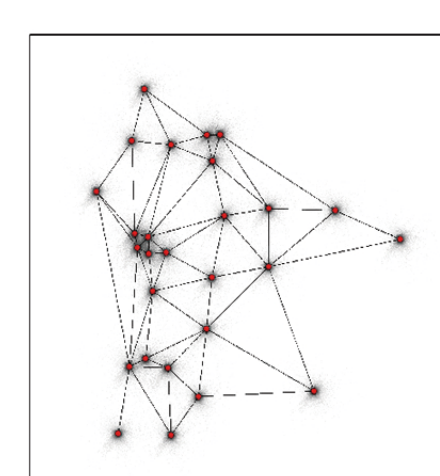
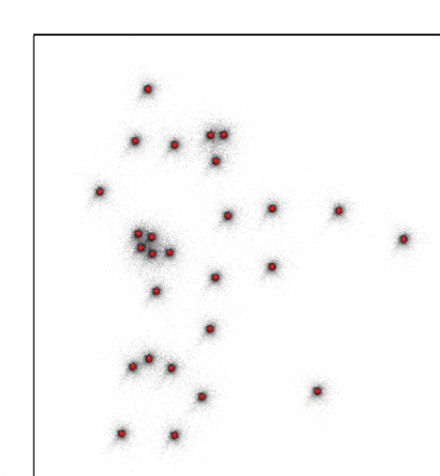


aerial view

**voronoi**

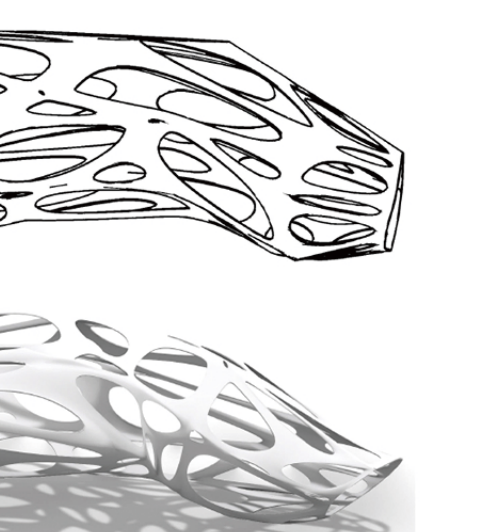
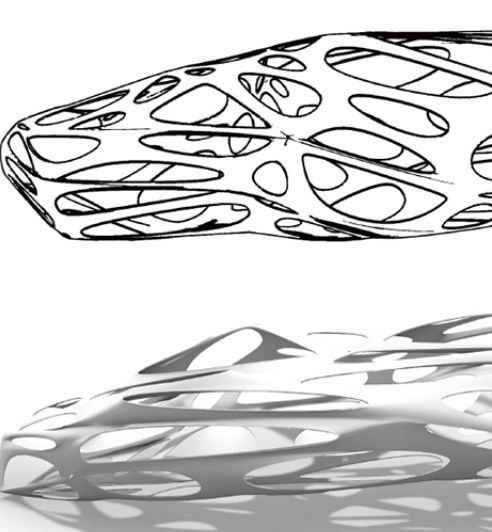
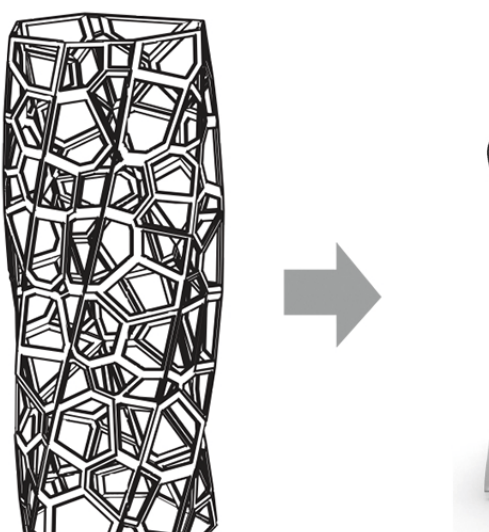
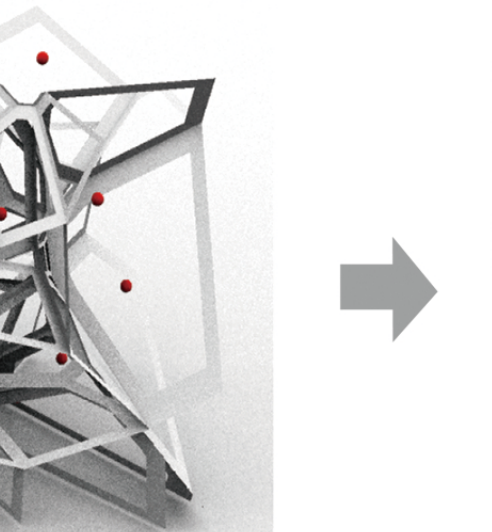
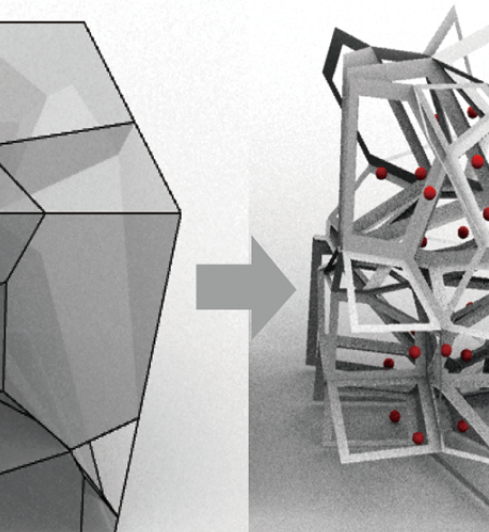
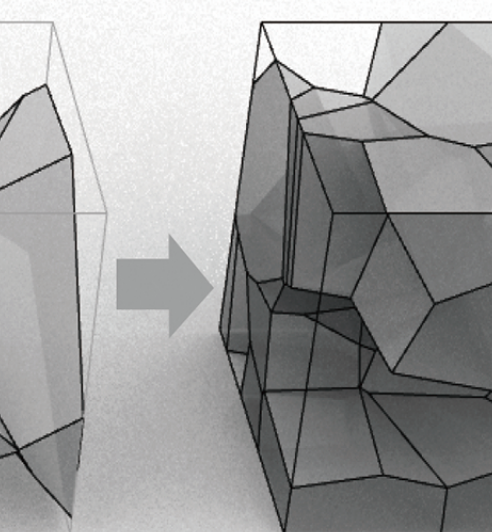
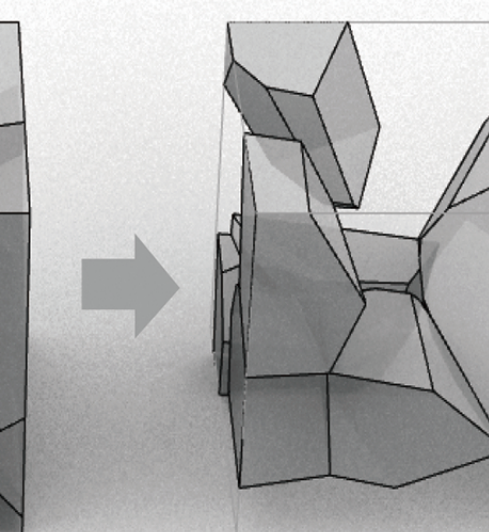
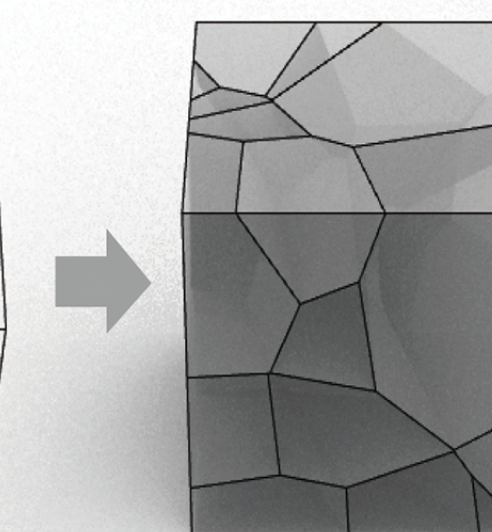
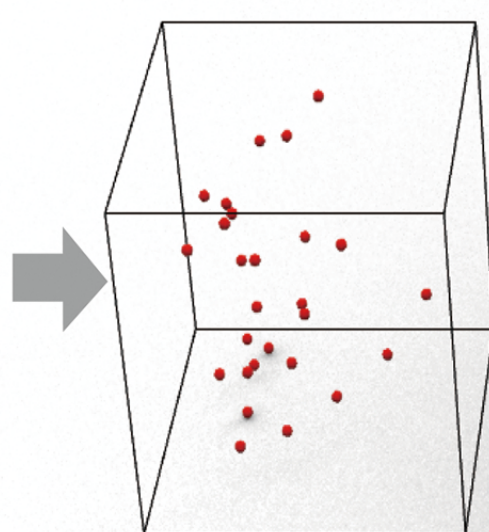
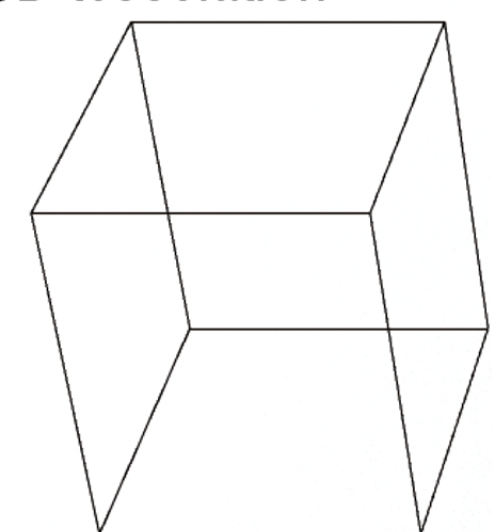
voronoi algorithm is a partition of space into cells, each of which consists of the points closer to one particular object than to any others.

2D tessellation

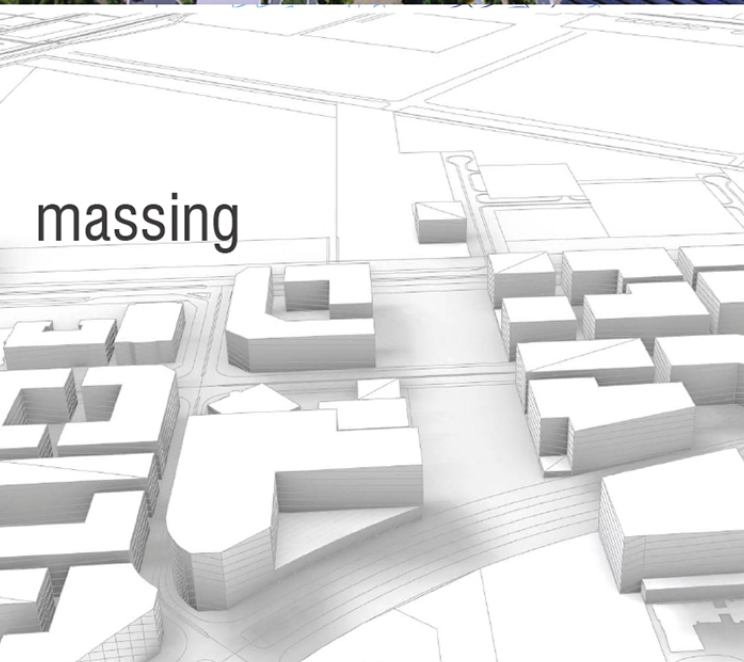


master plan

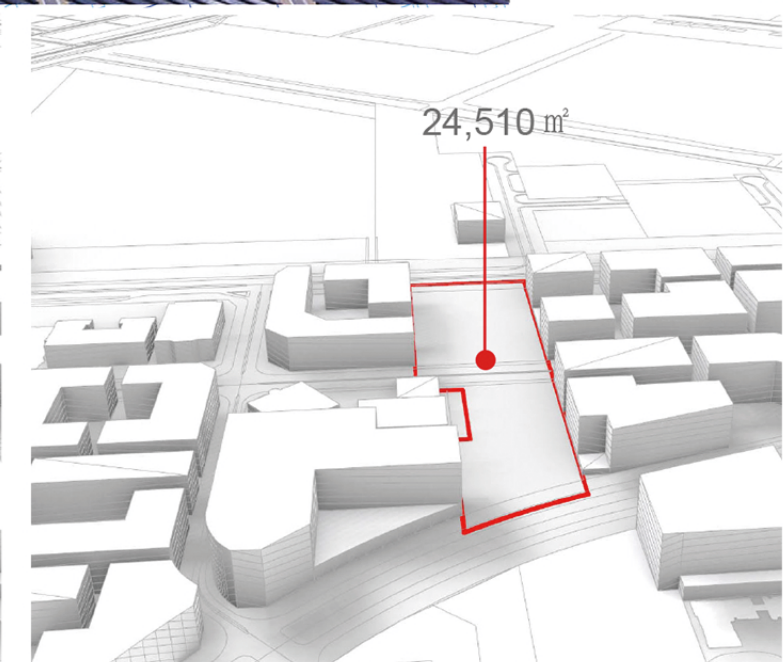
3D tessellation



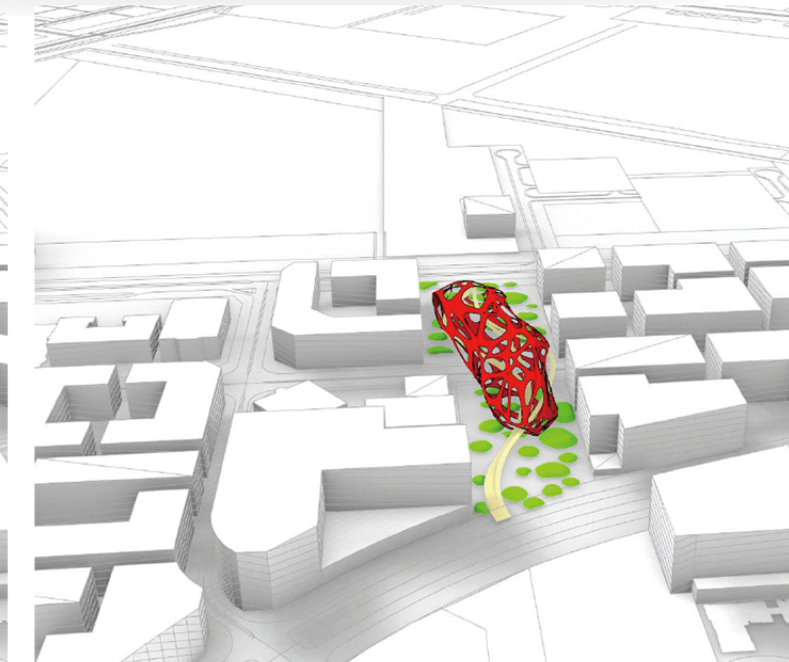
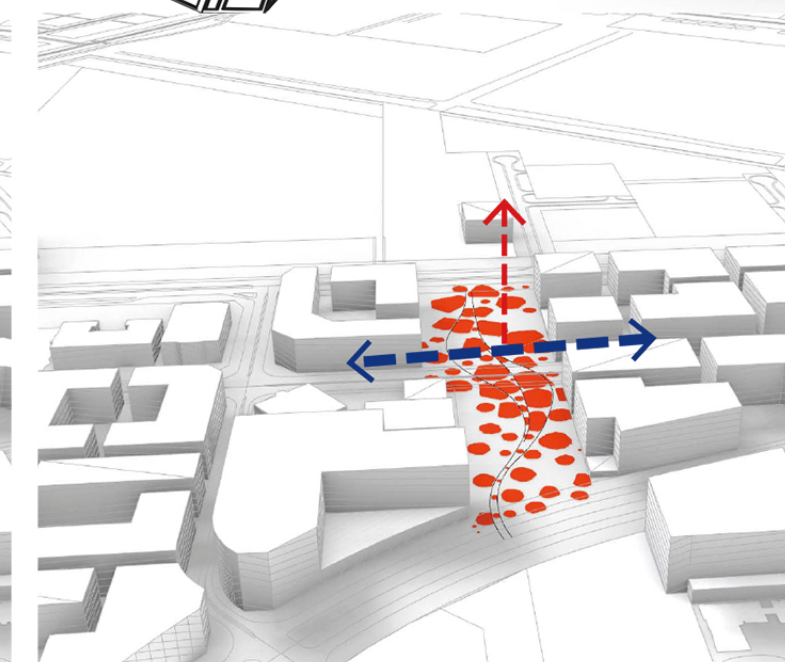
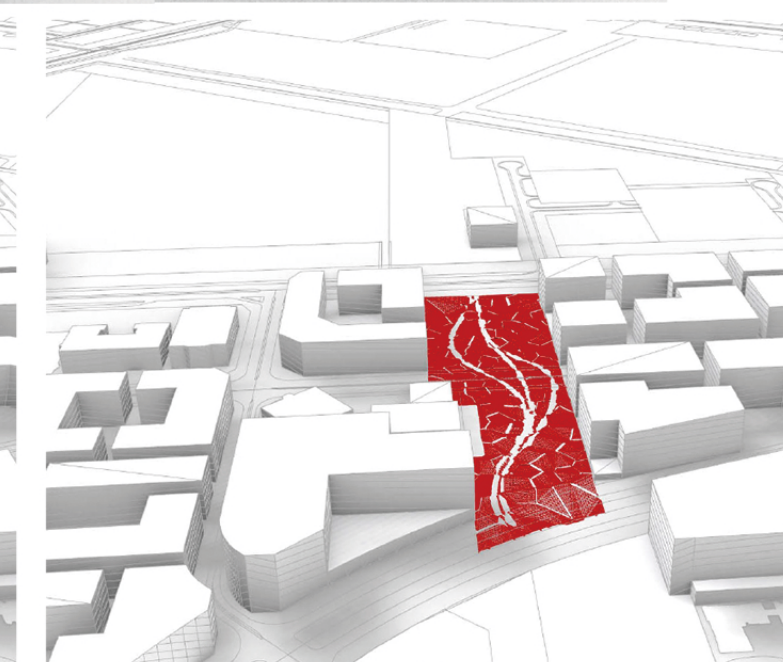
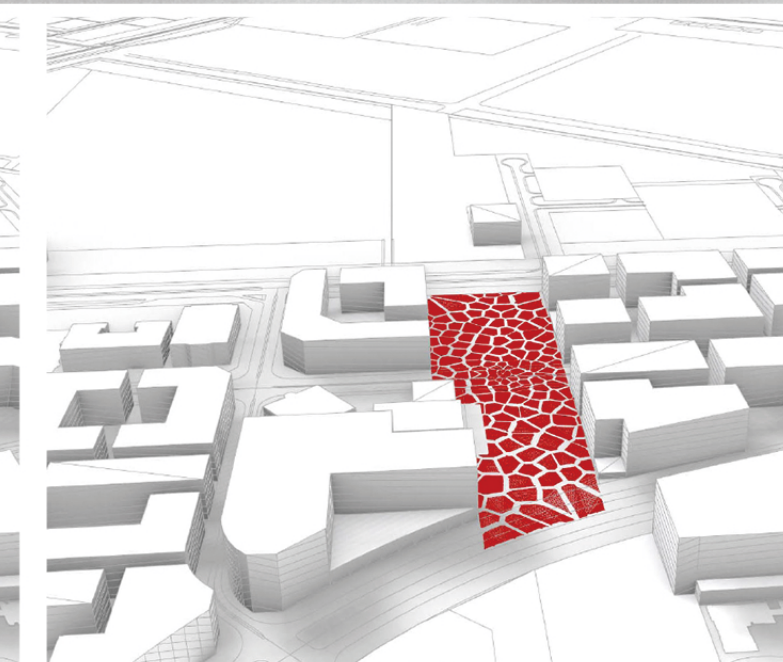
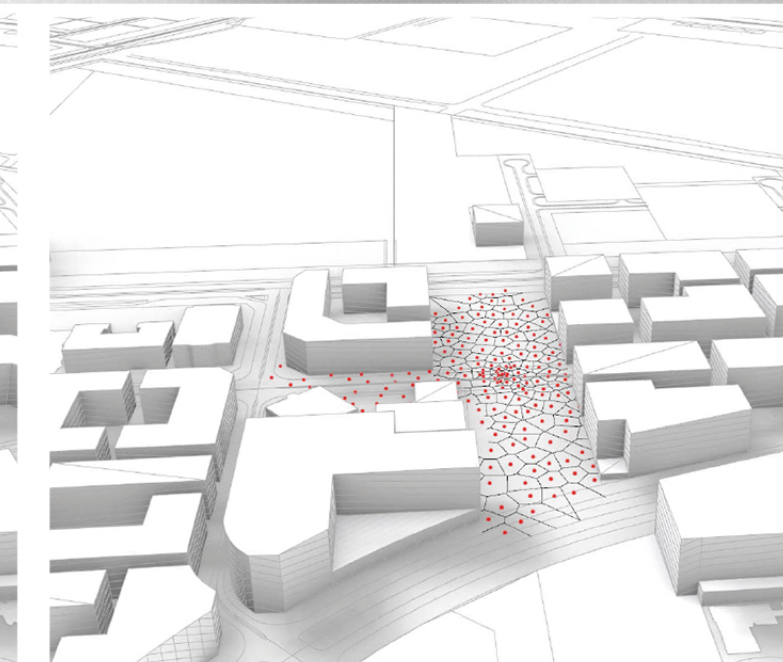
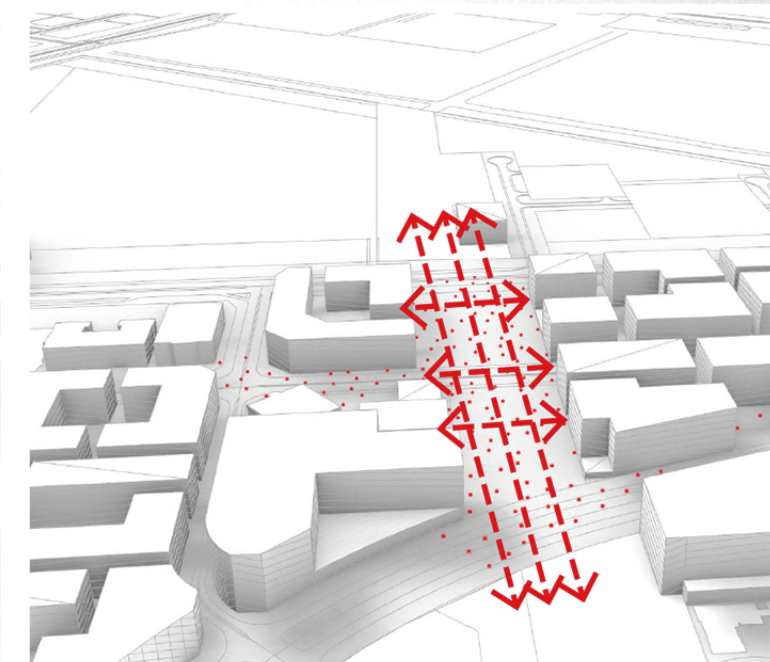
master planning



massing



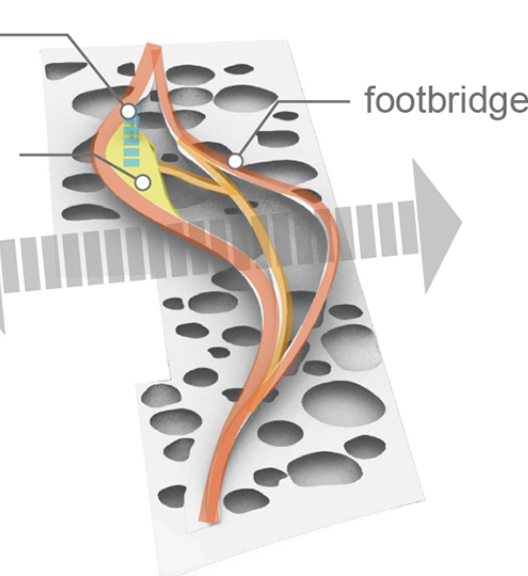
24,510 m<sup>2</sup>



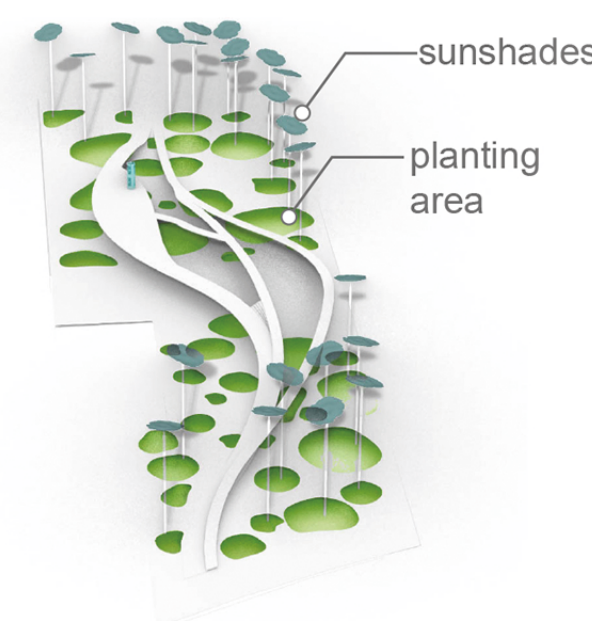
framework



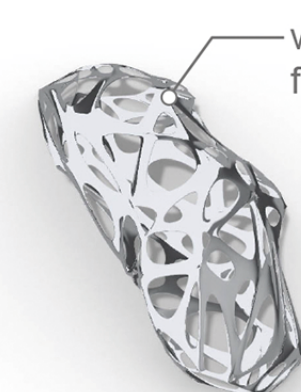
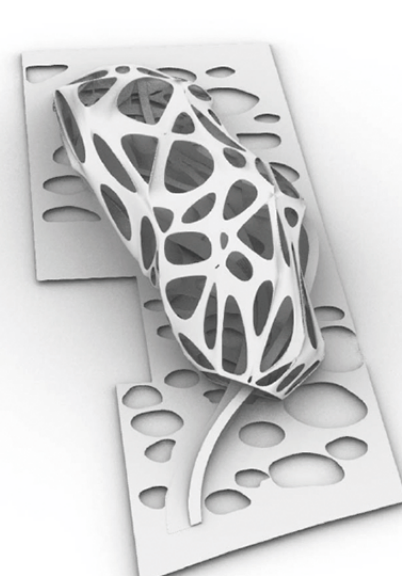
panoramic elevator platform



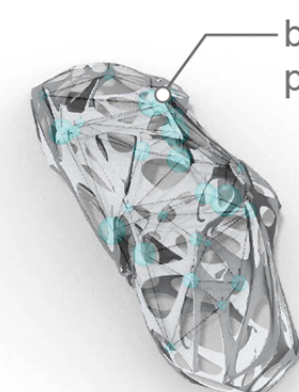
footbridge



sunshades  
planting area



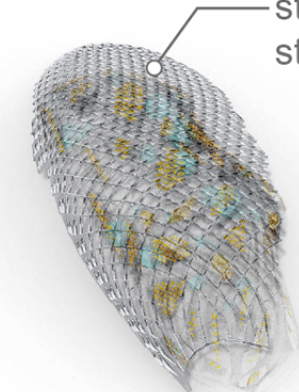
whale-shaped framework



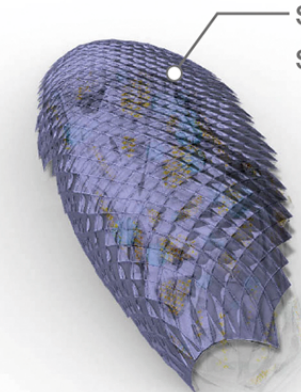
bubble planter



fabric shades



steel structure



solar shell

