

Traffic Accelerator

Urgency

Innovation in transport caused acceleration of traffic, allowing cities to grow together into **mega-regions**

The benefits of this acceleration diminish because of congested transportation systems.

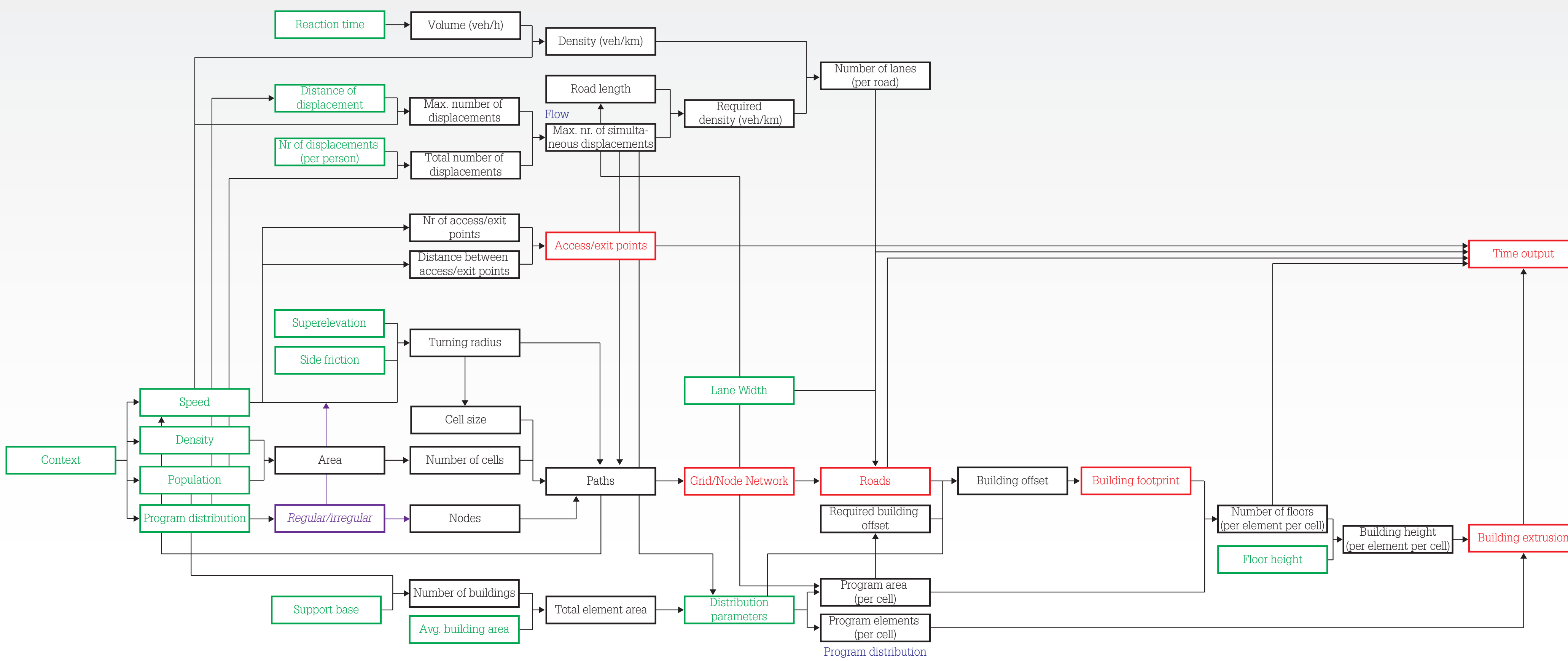
The goal of the project lies beyond congestion problems, in **accelerating traffic, allowing cities and mega-regions to scale up more.**



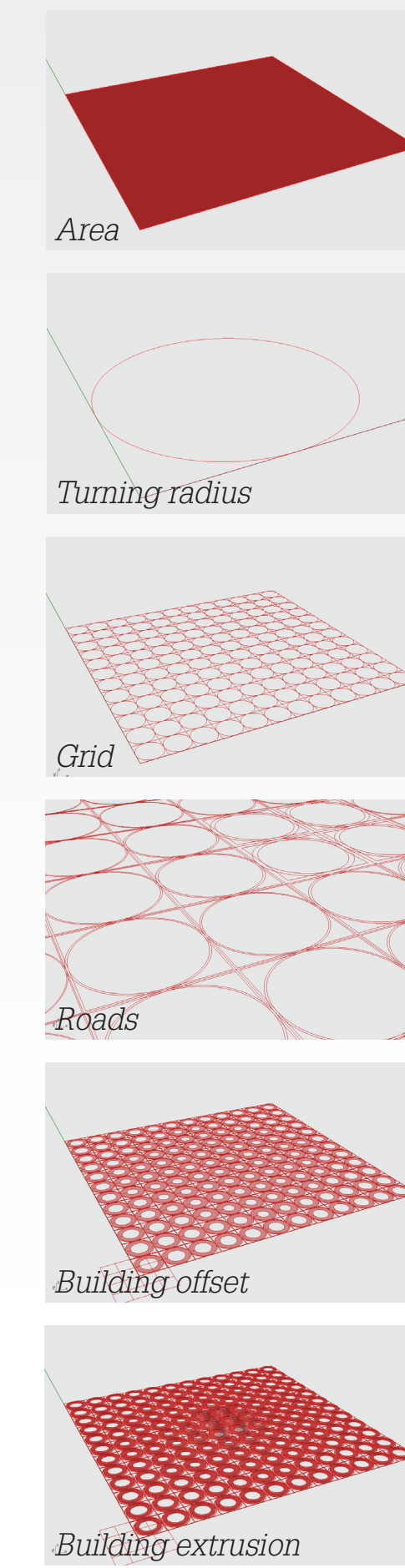
Chris Cornelissen
5-11-2010

1. Model

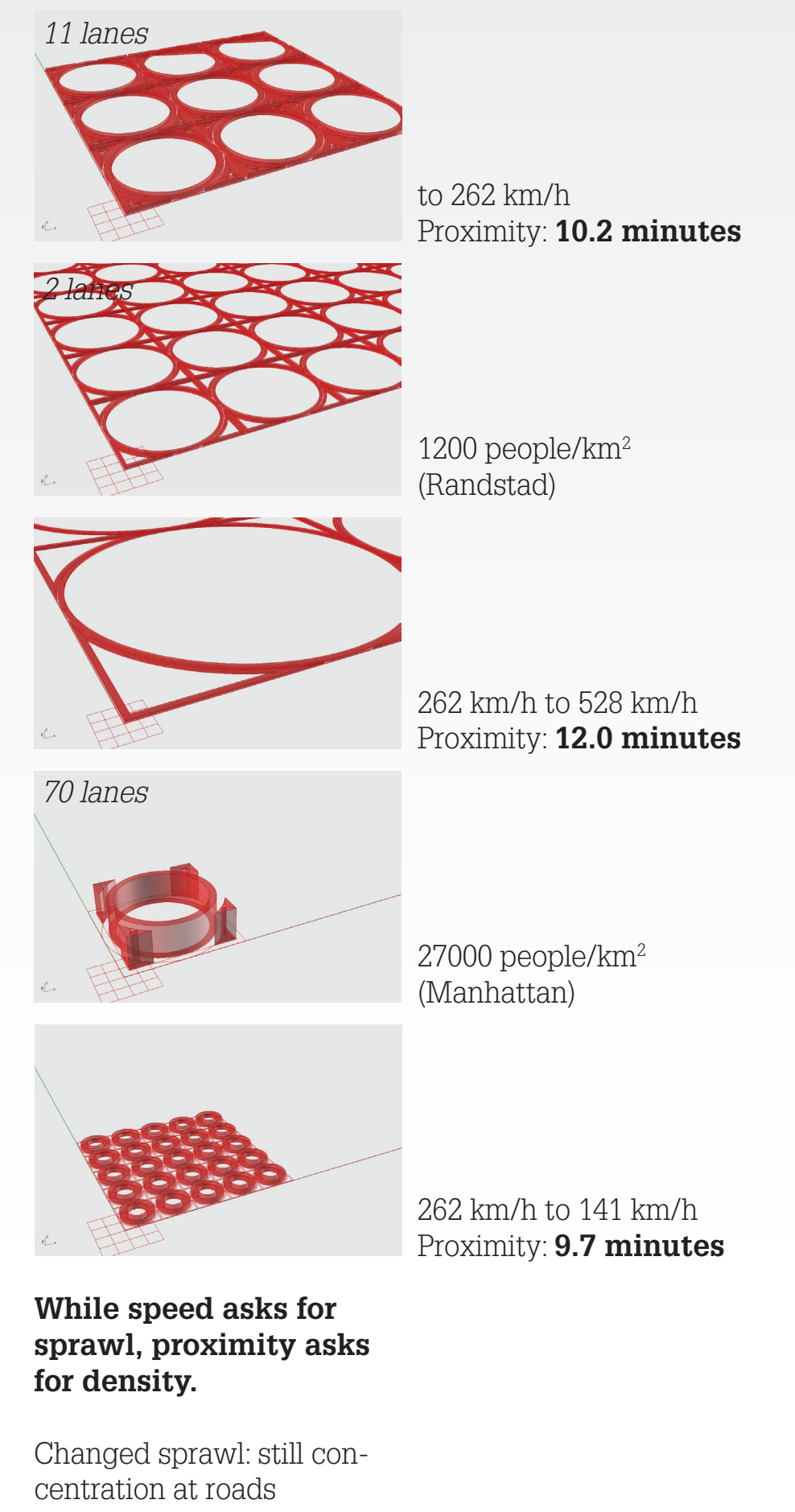
City model based on rules of speed and acceleration.
Creation of a new type of urban structure, centred around the city's flow and movement.



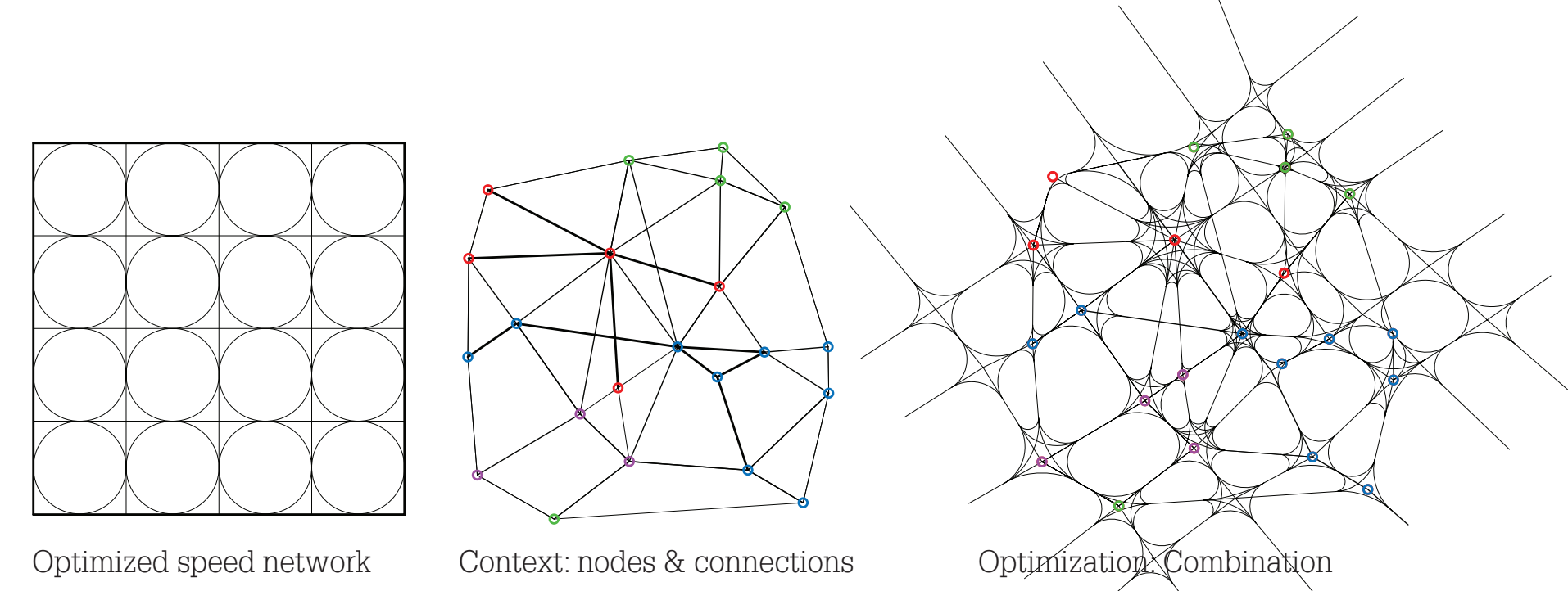
Base model
120 km/h, 7300 people/km², 1 million inhabitants



Optimization
Max. road width: 11 lanes

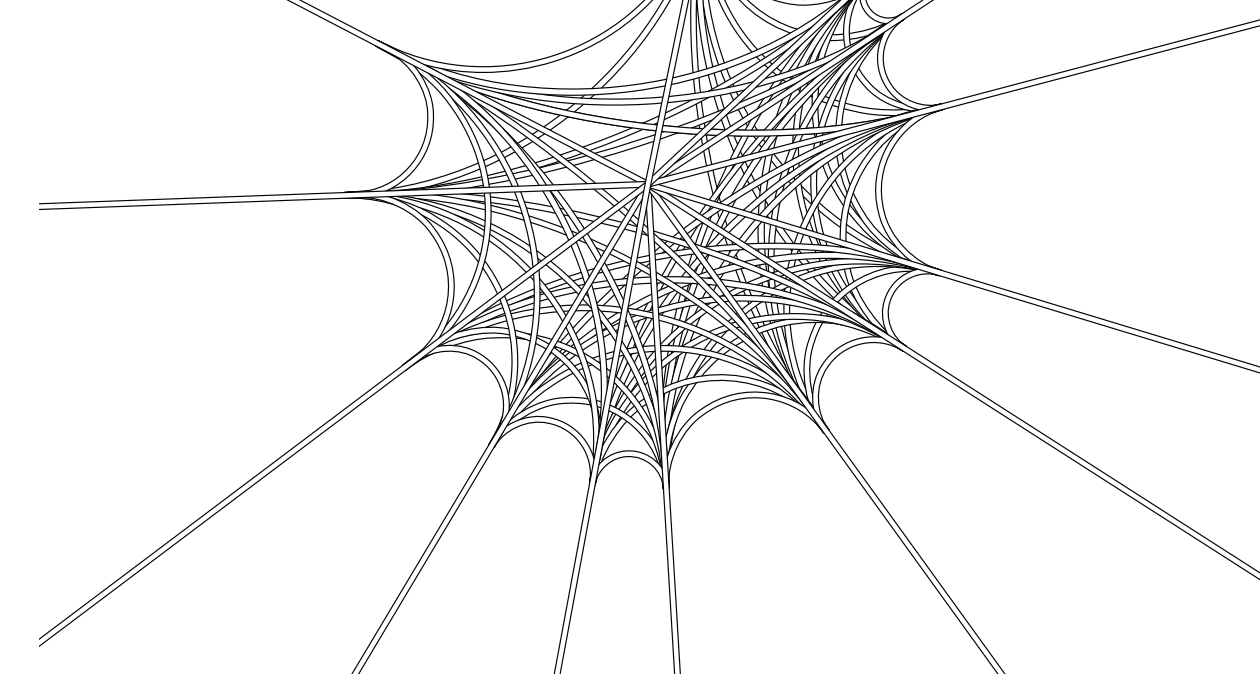


Adapting network to context



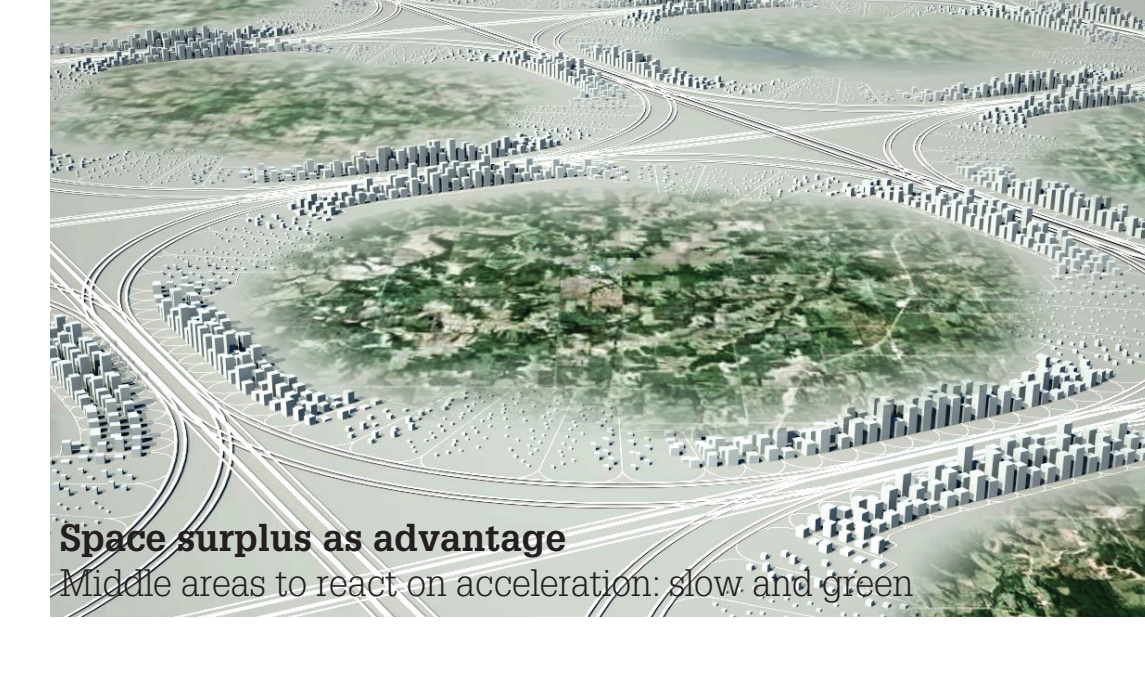
New technologies

Adding of ICTs to transport infrastructure and vehicles - increase complexity



Impact

Shifting densities - High speed is space consuming
Uneven distribution of program: concentration at roads

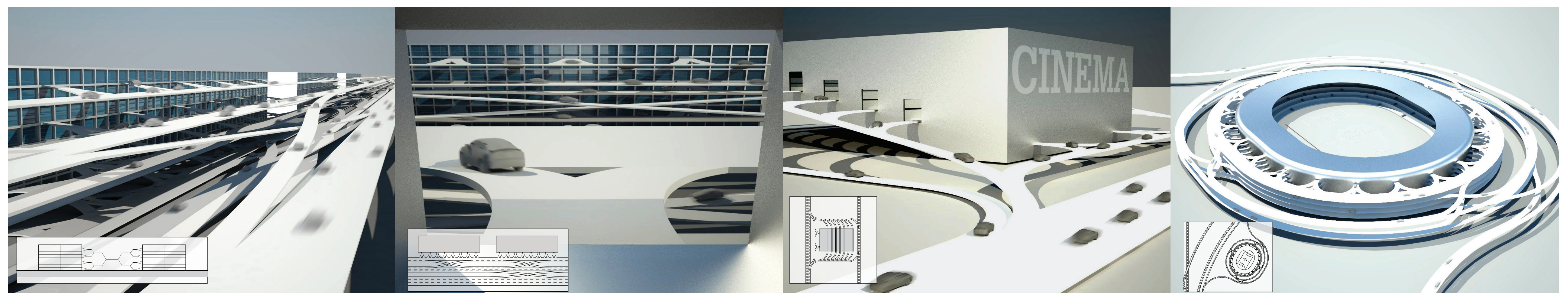
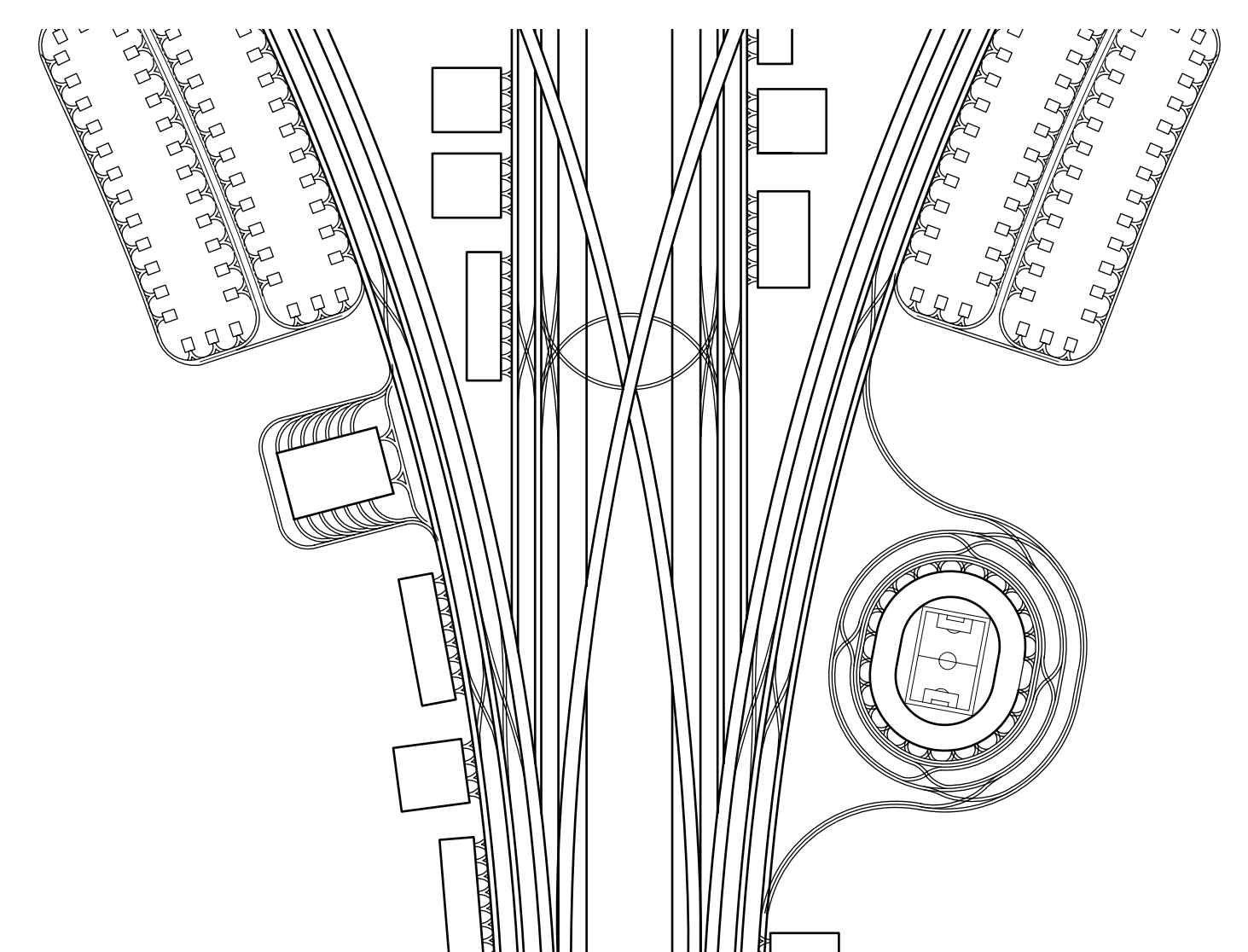
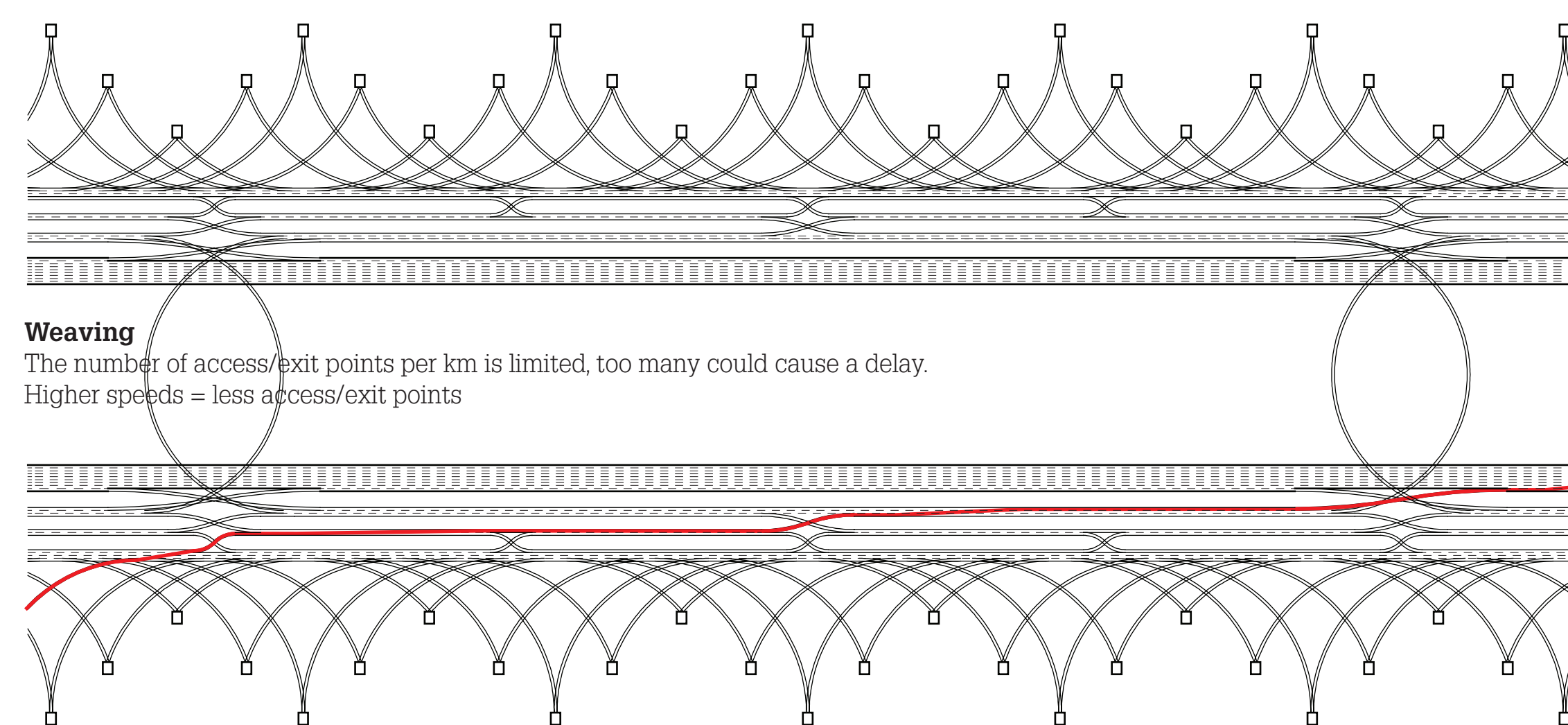
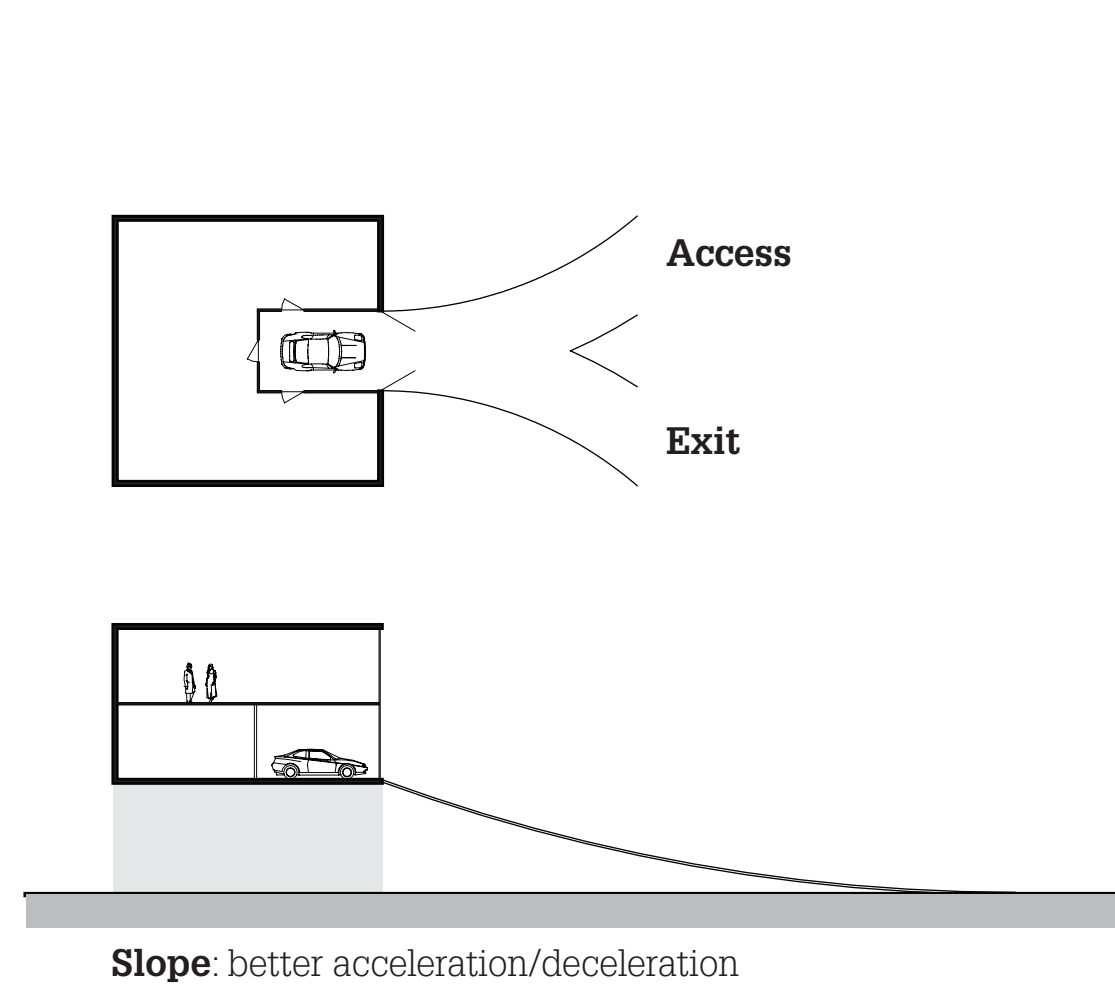


Accelerated World
Dissolving cities - or one big city?



2. Zoom

Accessibility is other critical part in acceleration process
Applying acceleration rules from road to doorstep



3. Adaptation

Generic logic of the model projected over existing city:
High density grid-city in car-dependant US: New York/Manhattan

