



Connected design

A search for future scenarios and key interventions for the Vlietzone The Hague.

By Jomme Rooijackers

Vlietzone Study

Scenarios

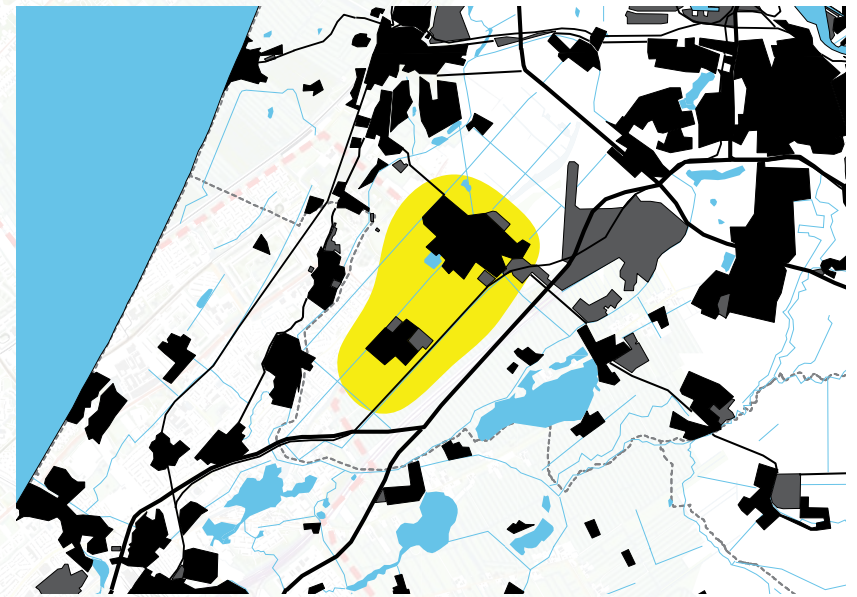
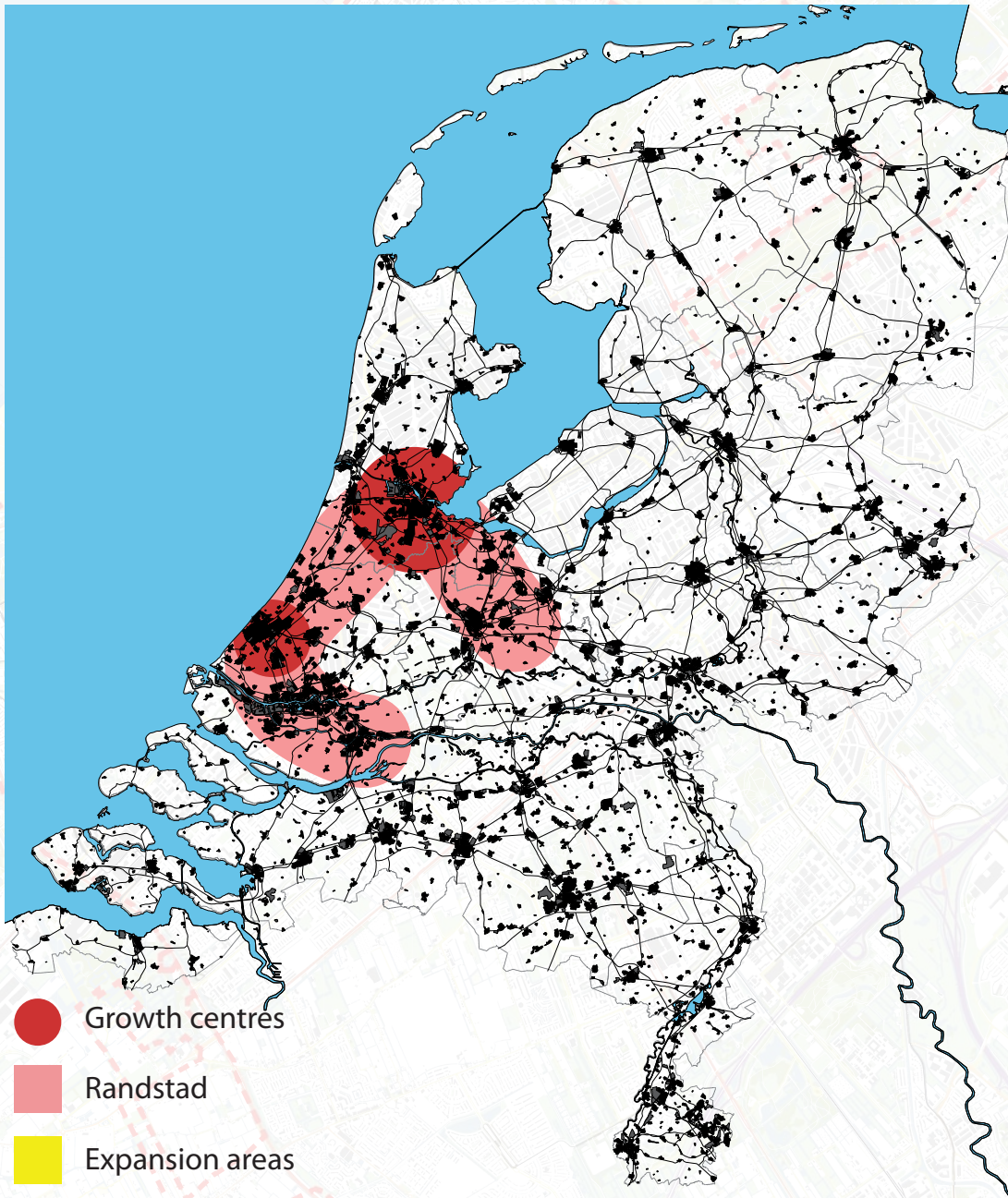
Design: Vliet entrée



Vlietzone Study

Location choice
Analysis
Problem statement
Infrastructure

Location choice - Expansion areas



Haarlemermeerpolder



Vlietzone

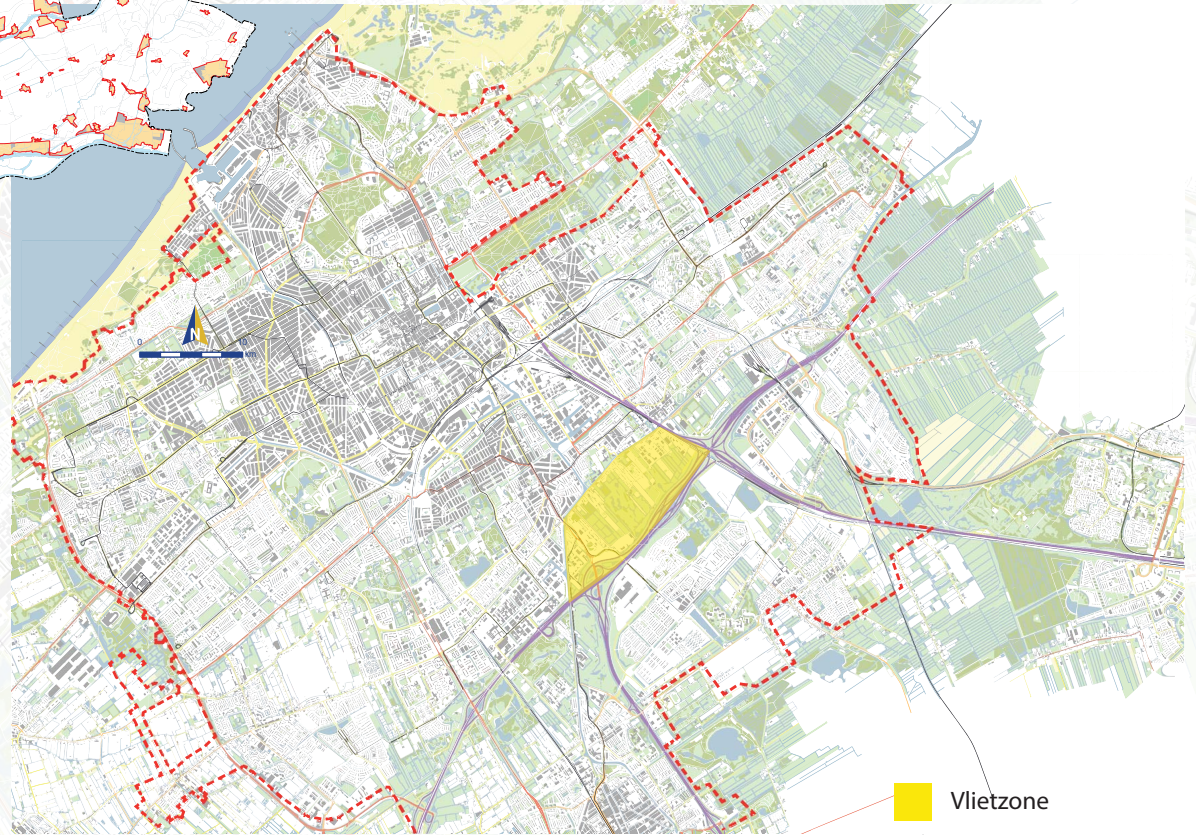
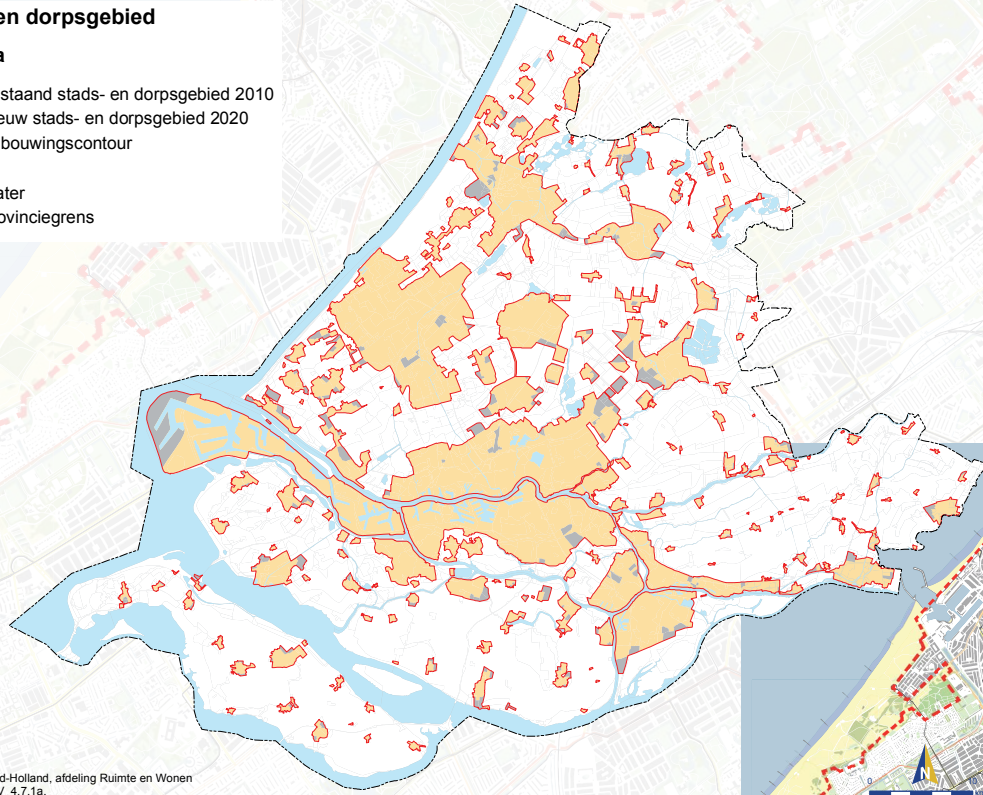
Location choice - city contours

Stads- en dorpsgebied

Legenda

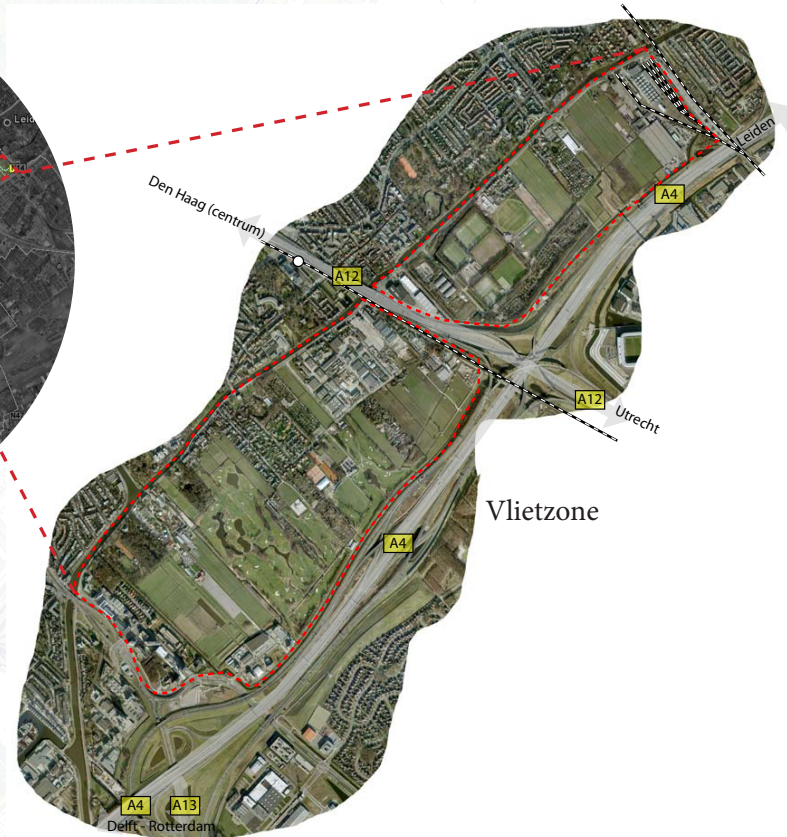
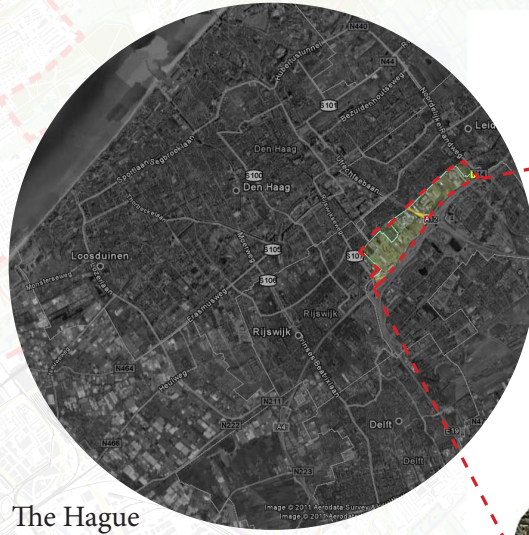
- Bestaand stads- en dorpsgebied 2010
- Nieuw stads- en dorpsgebied 2020
- Bebouwingscontour
- Overig
- Water
- Provinciegrens

© provincie Zuid-Holland, afdeling Ruimte en Wonen
2 juli 2010 PSV 4.7.1a.



Vlietzone

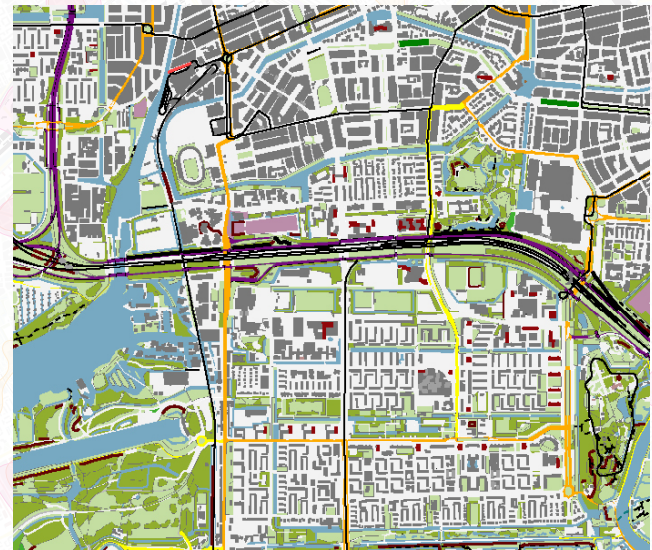
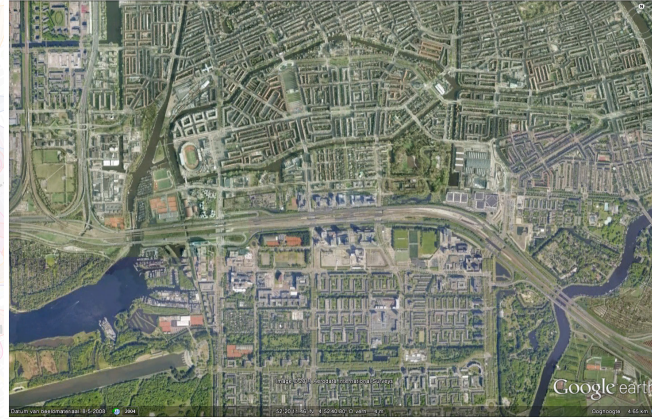
Location choice - Location



Analysis - scale study



Vlietzone, google maps and GEO kaart

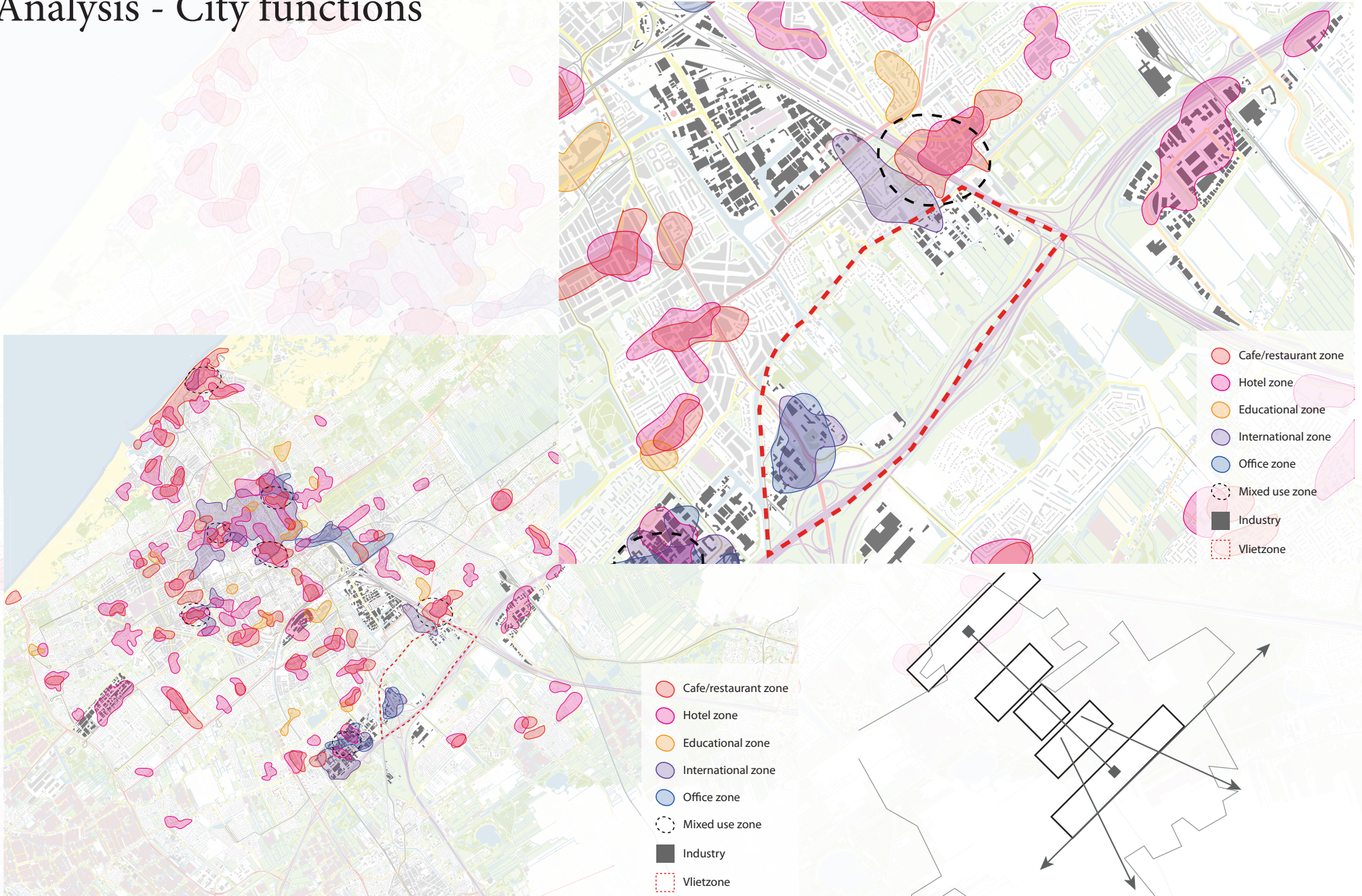


Amsterdam Zuid-as, google maps and GEO kaart

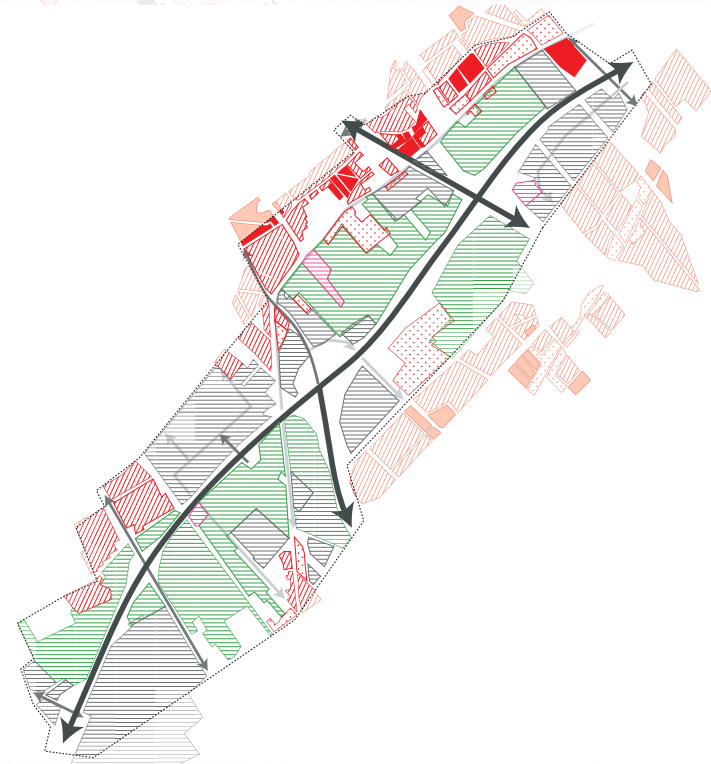


Delft centre, google maps and GEO kaart

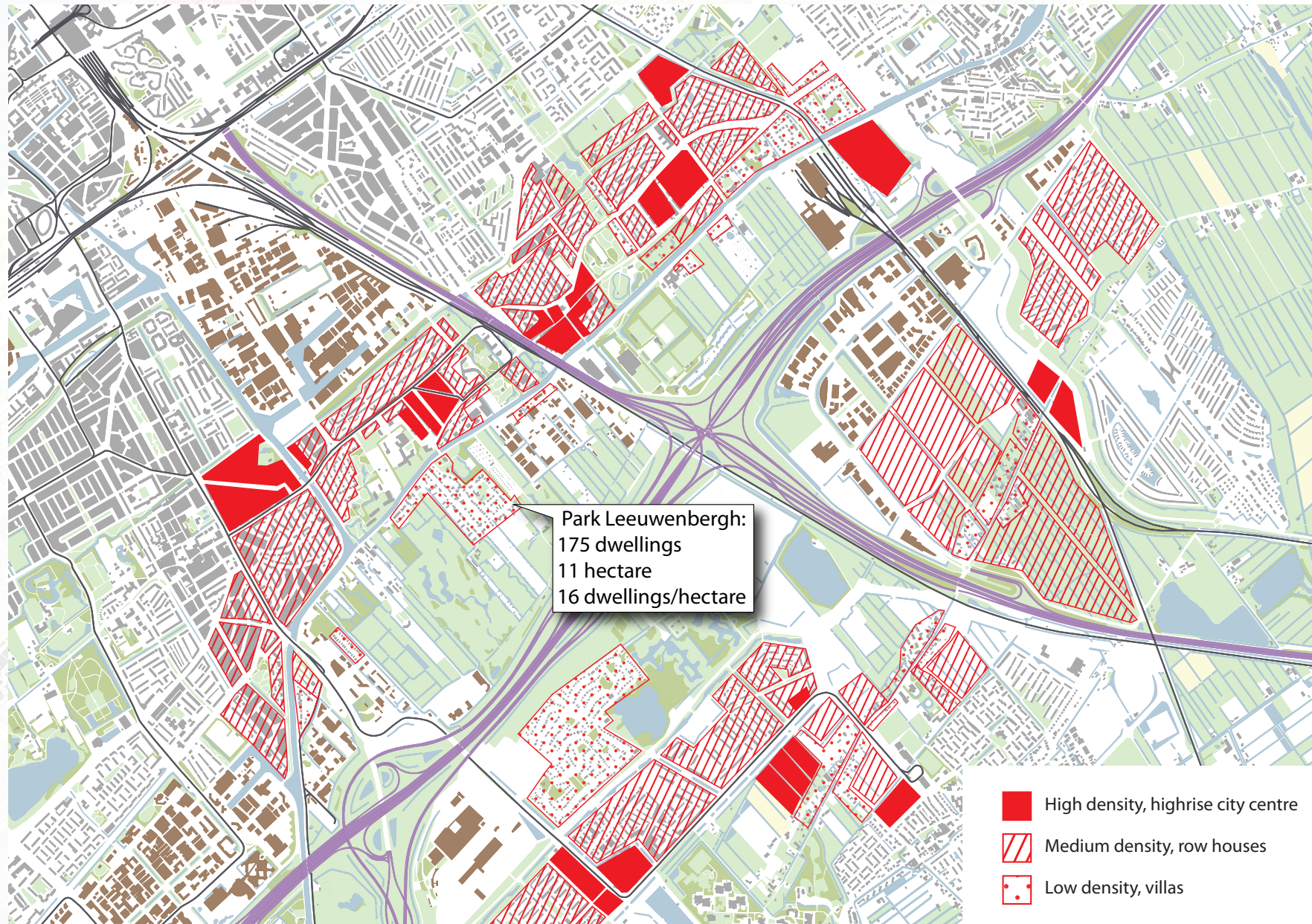
Analysis - City functions



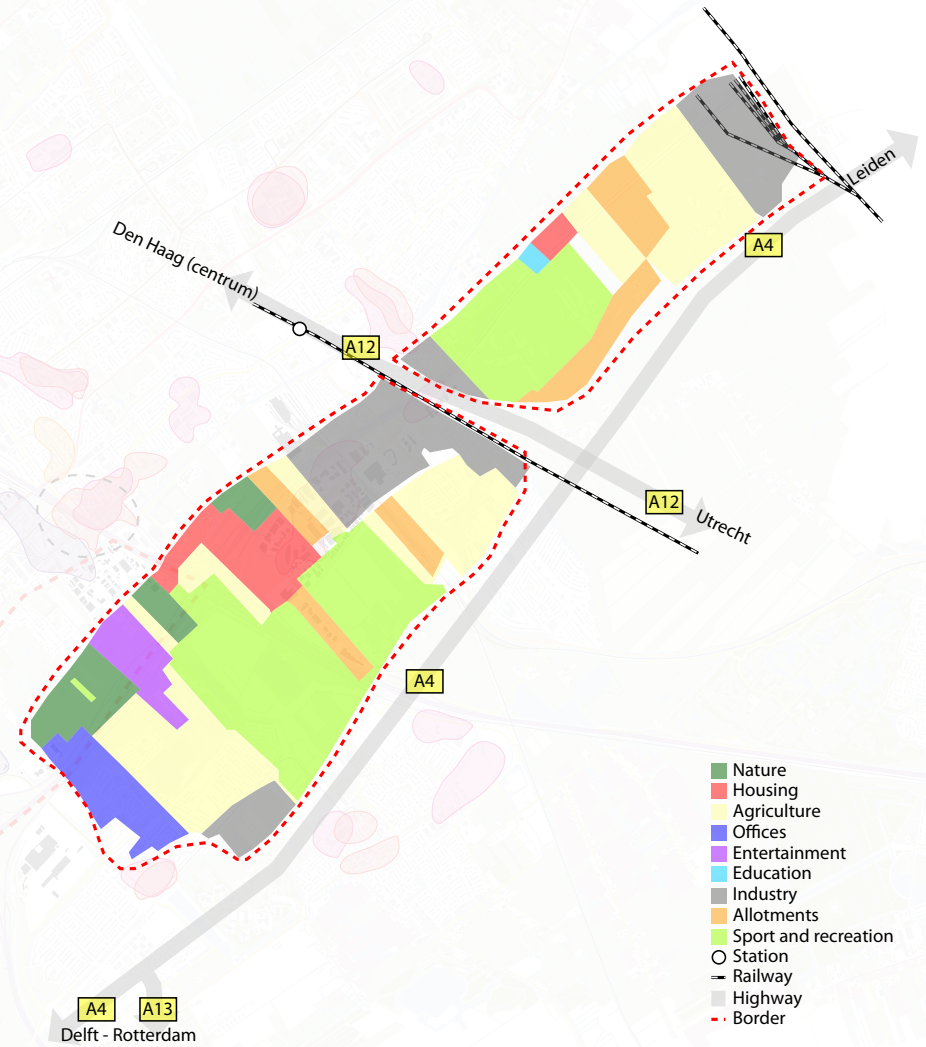
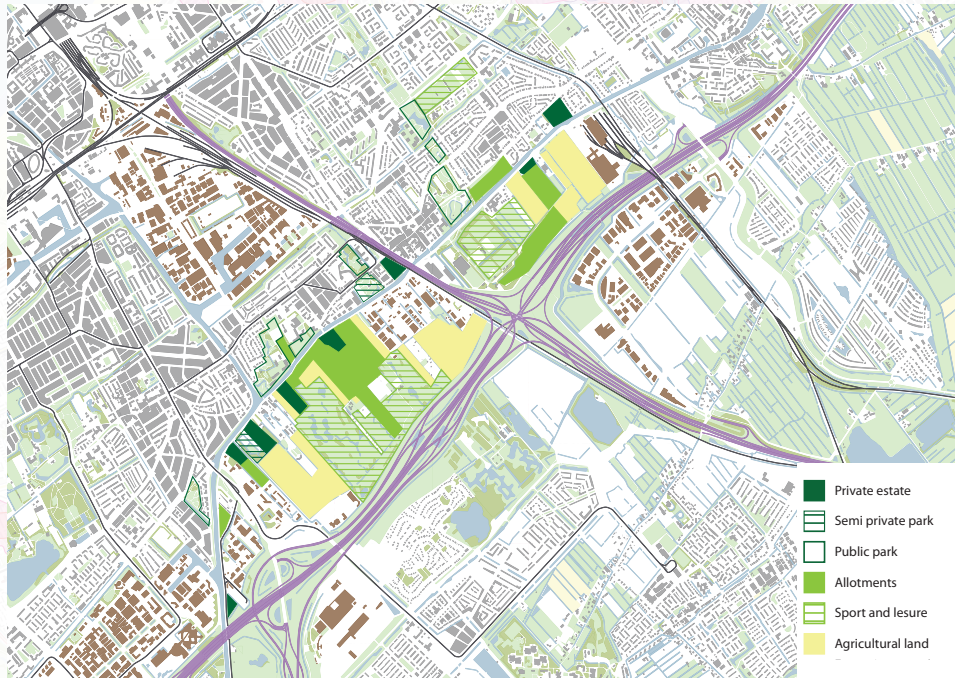
Analysis - Study area



Analysis - Surroundings



Analysis - functions



Analysis - Typology



Type of dwellings



Type of industry



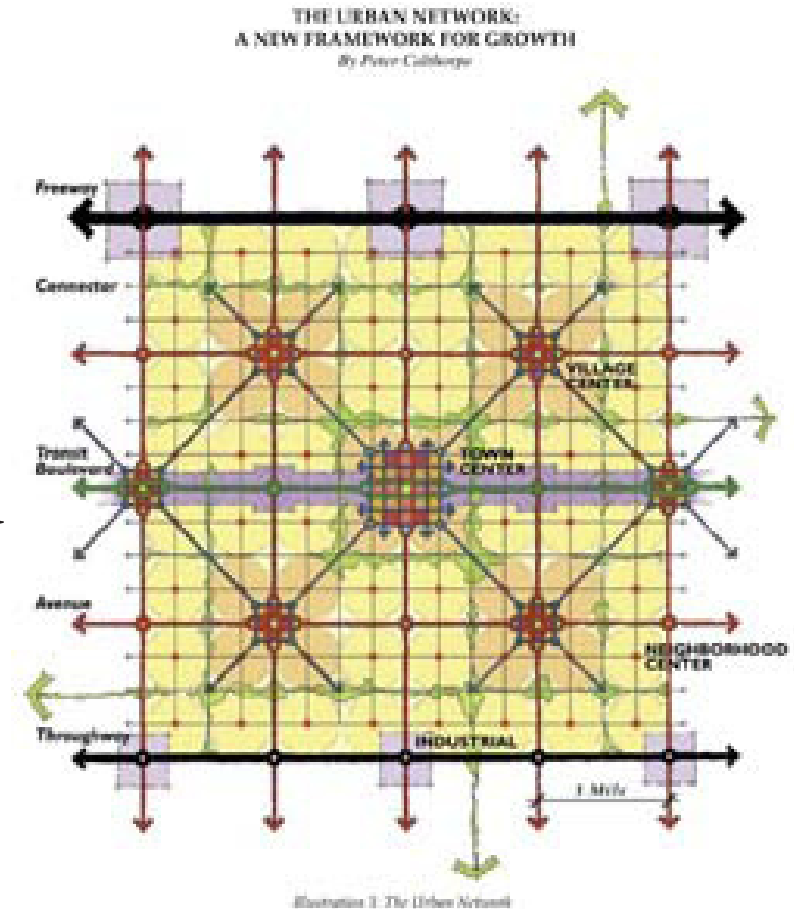
Areas for leisure

Problem statement

“What type of local key intervention for the Vlietzone is necessary to realise the most likely future scenarios after 2020?”

Problem statement - Goals

- Possible future scenario study
- 3 studies with different influences and different focuses.
- Applying a scenario to the Vlietzone
- Designing a plan for the Vlietzone based on transit oriented development (TOD)

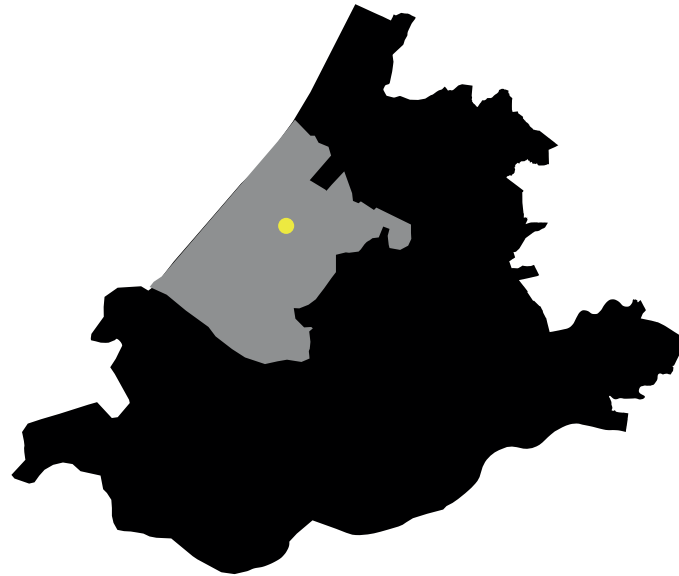


Problem statement - Scale

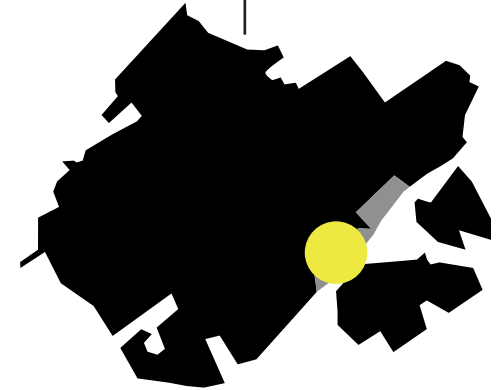
Randstad



Region



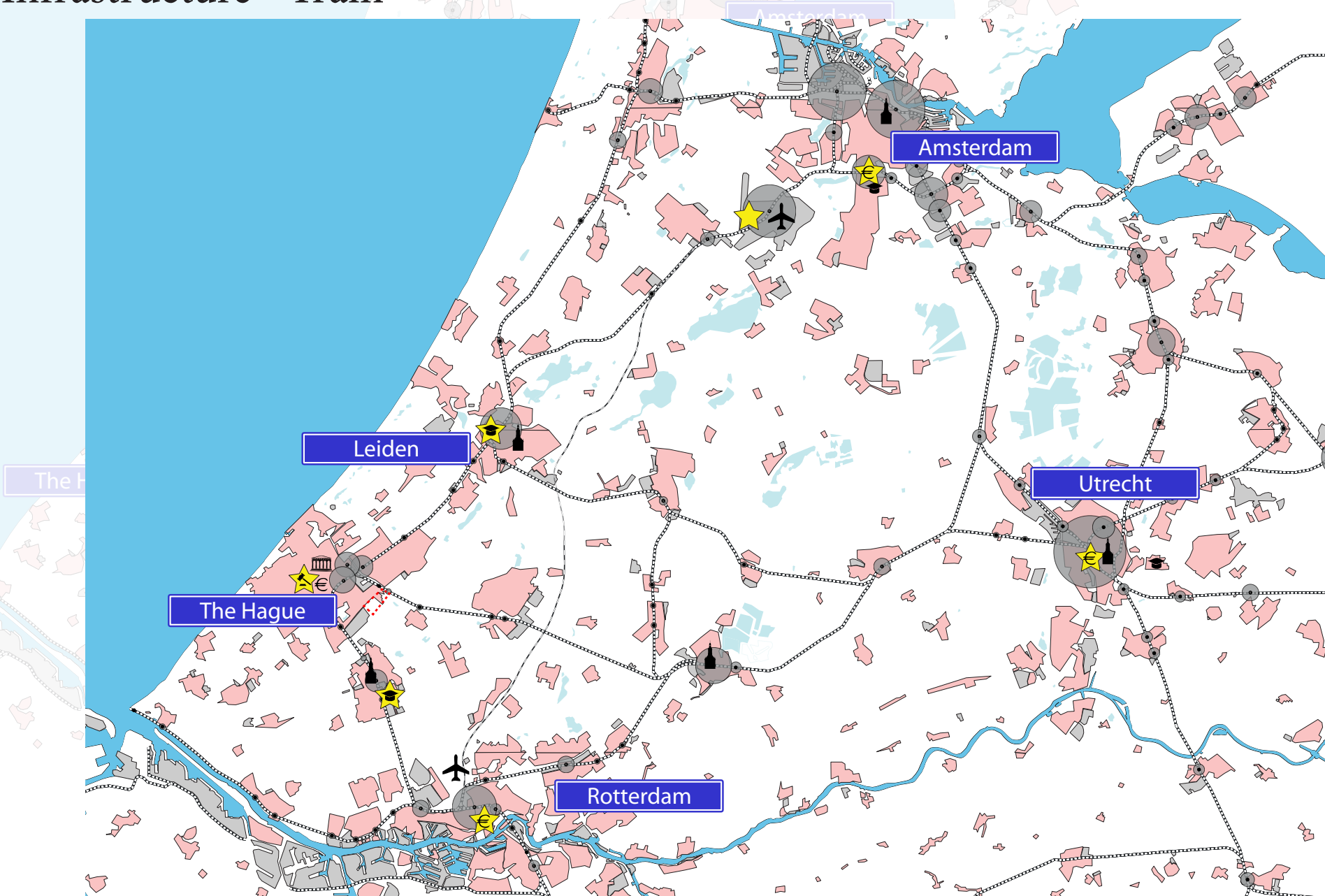
Municipality



Local

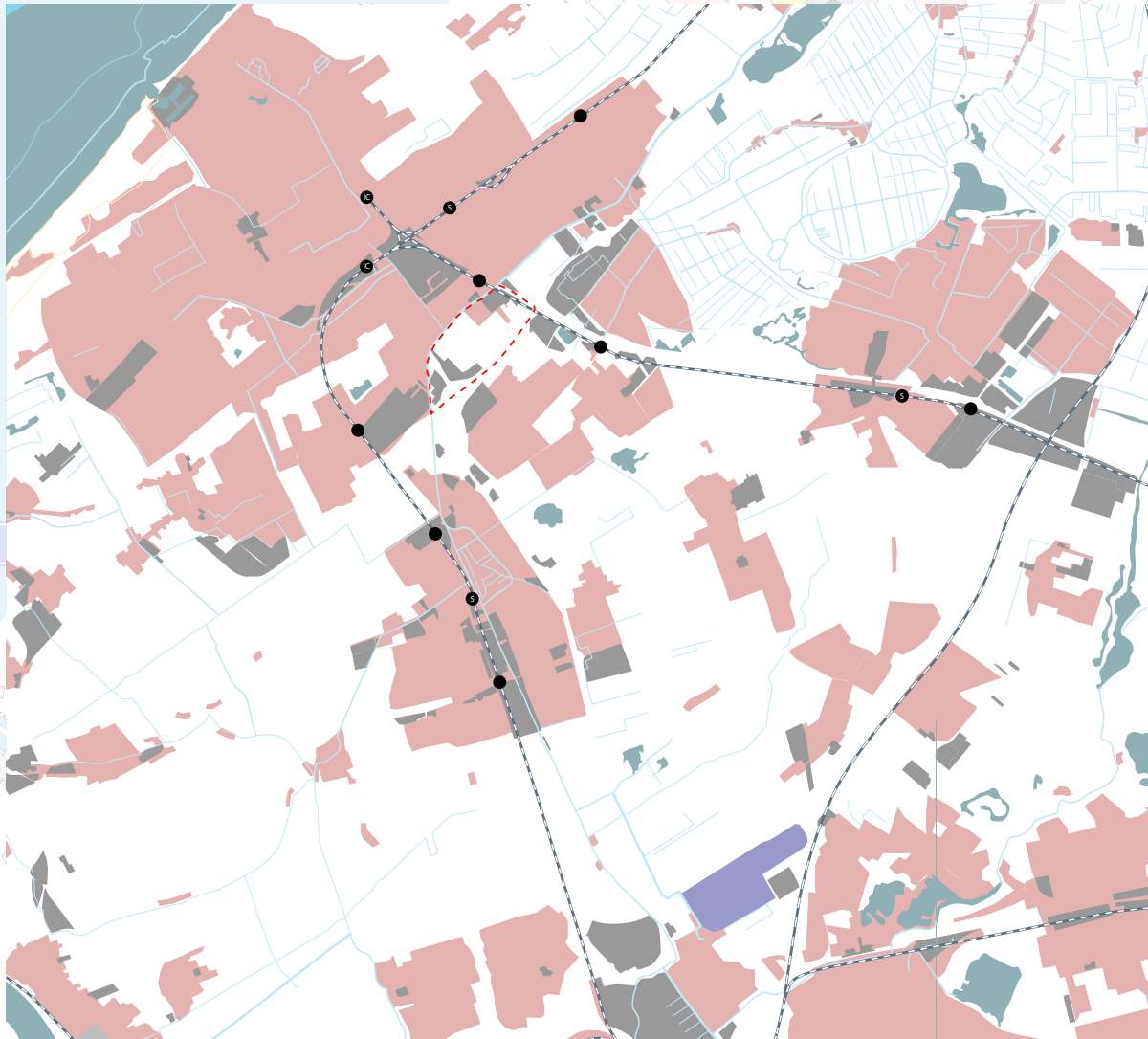


Infrastructure - Train

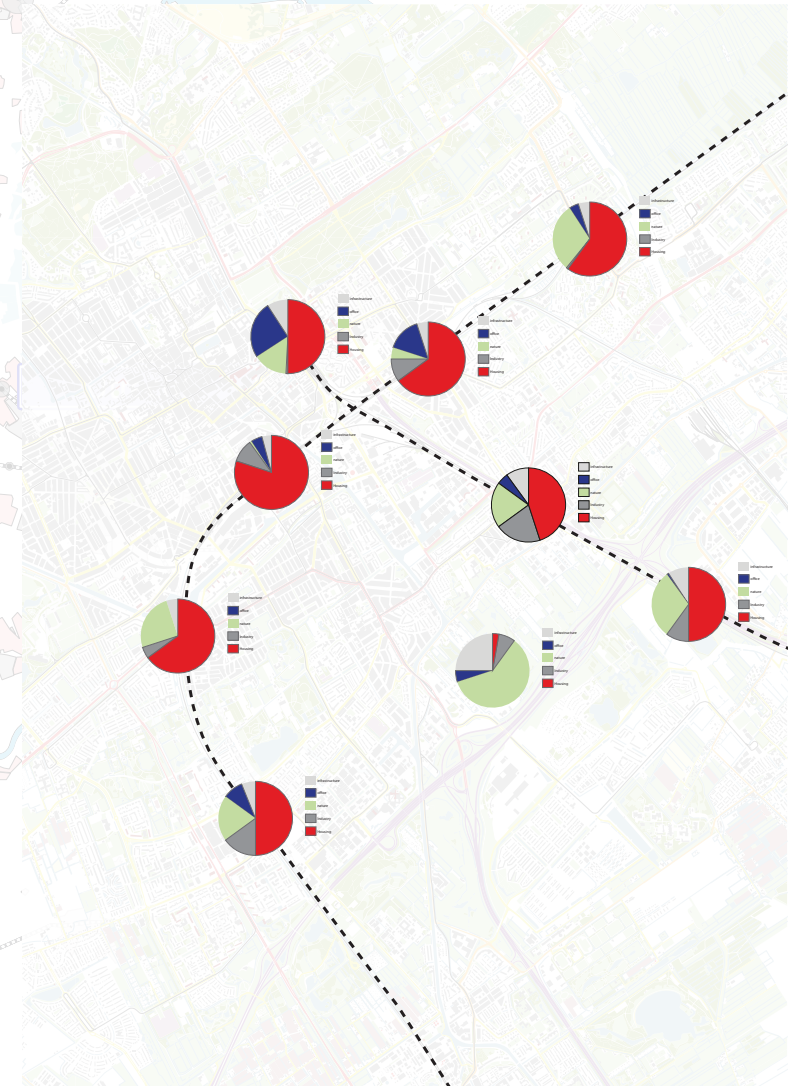


Infrastructure - Train

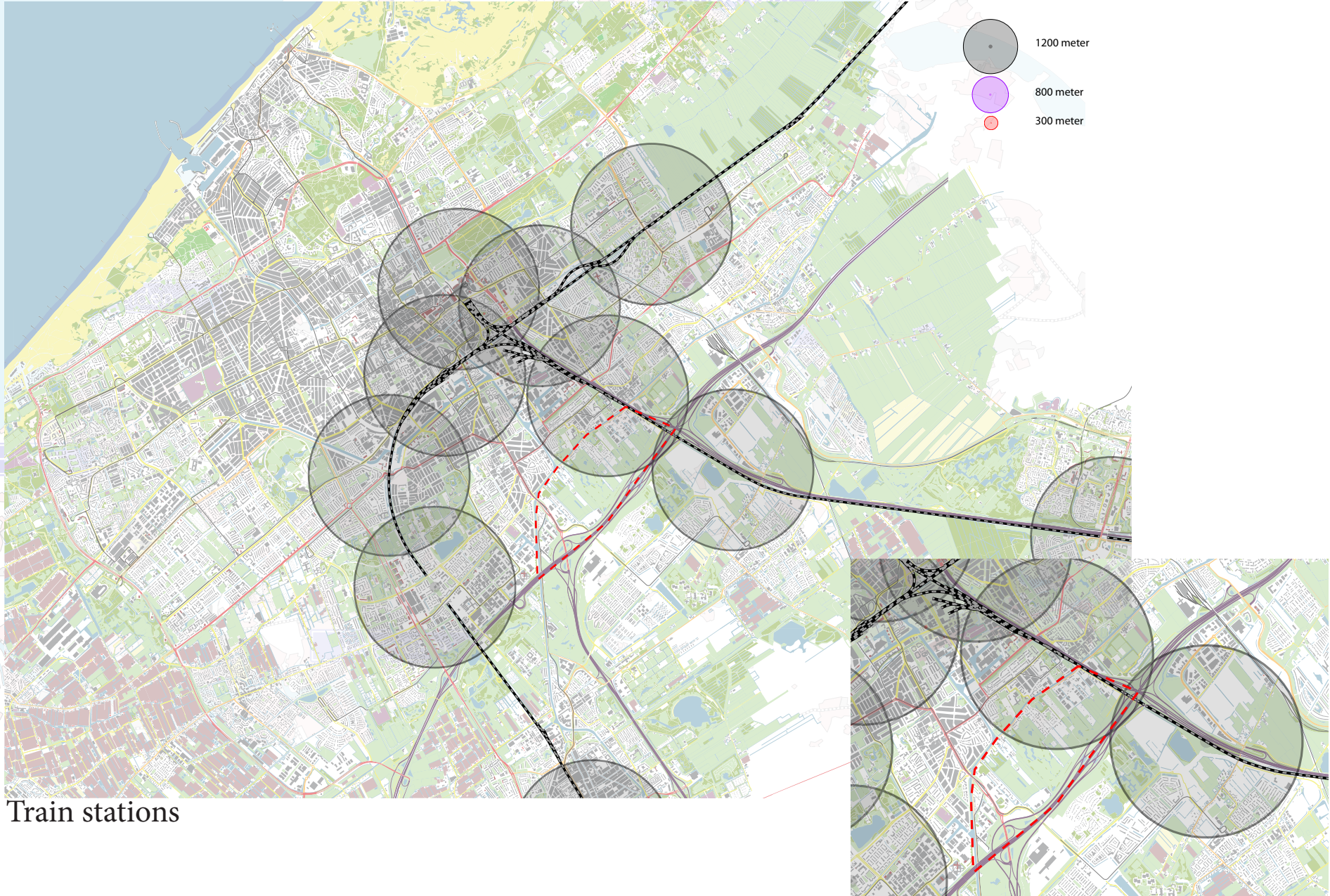
Regional railway structure



Building type per station

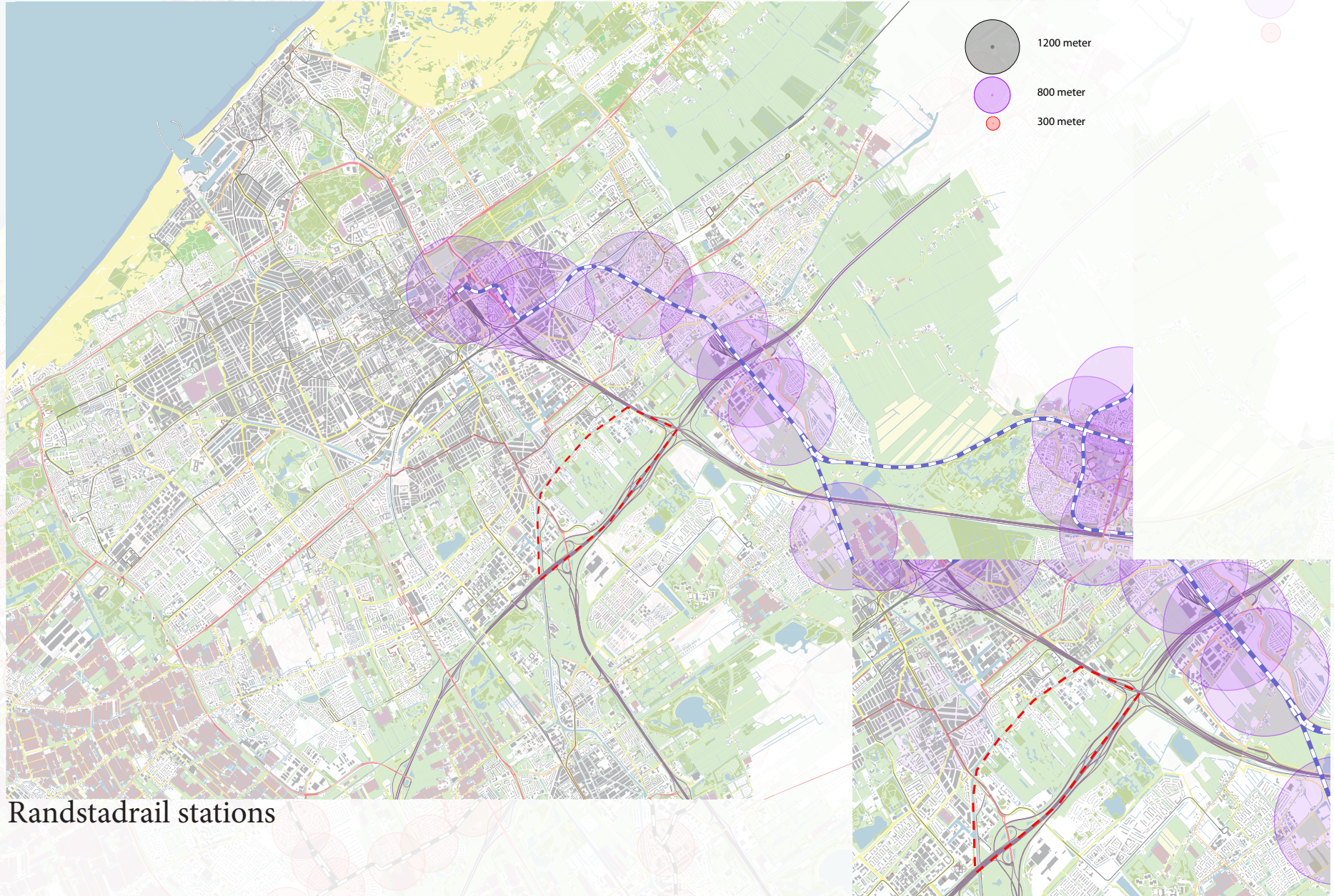


Infrastructure - Train

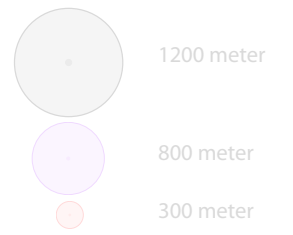
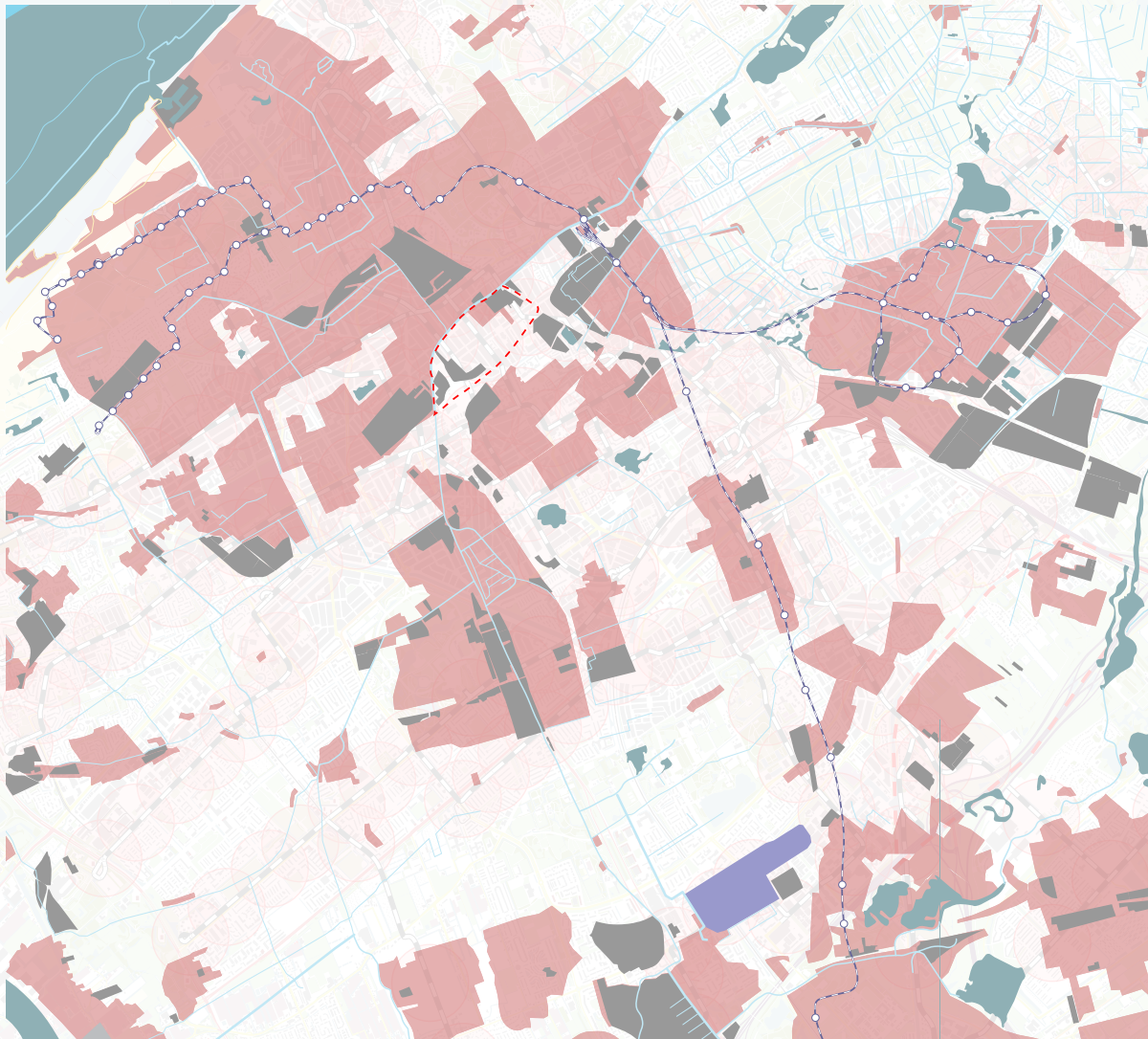


Train stations

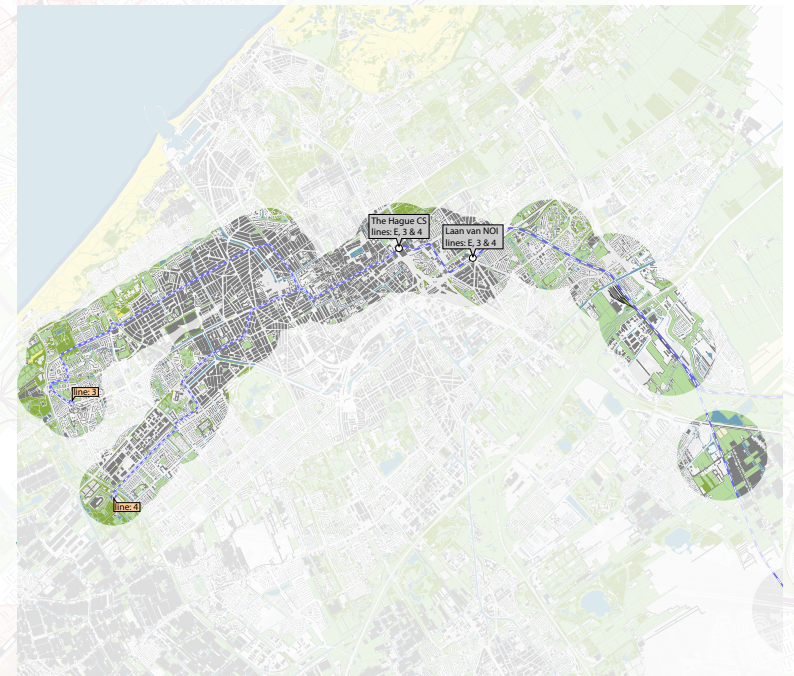
Infrastructure - Public transport



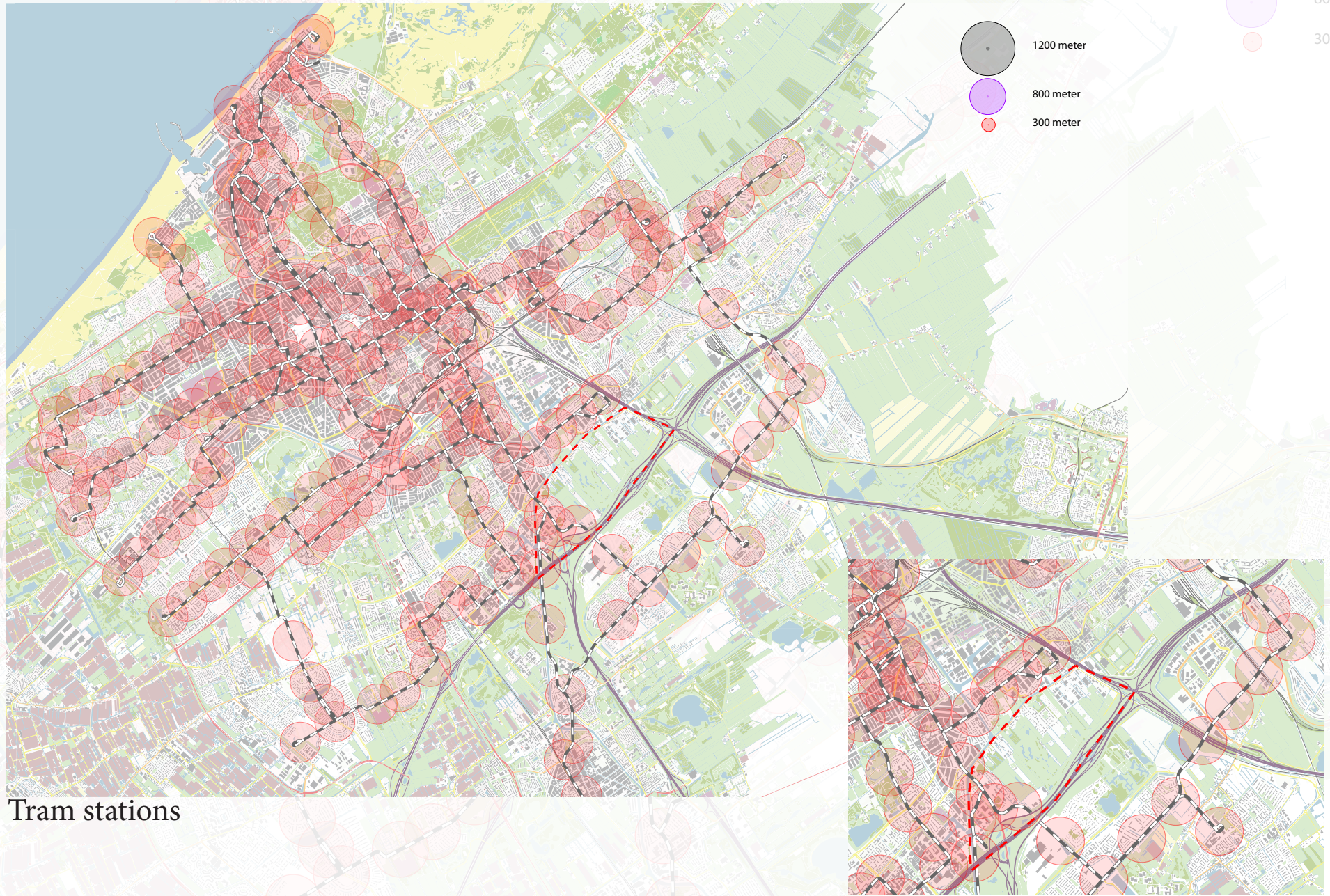
Infrastructure - Public transport



Area of influence around the stations

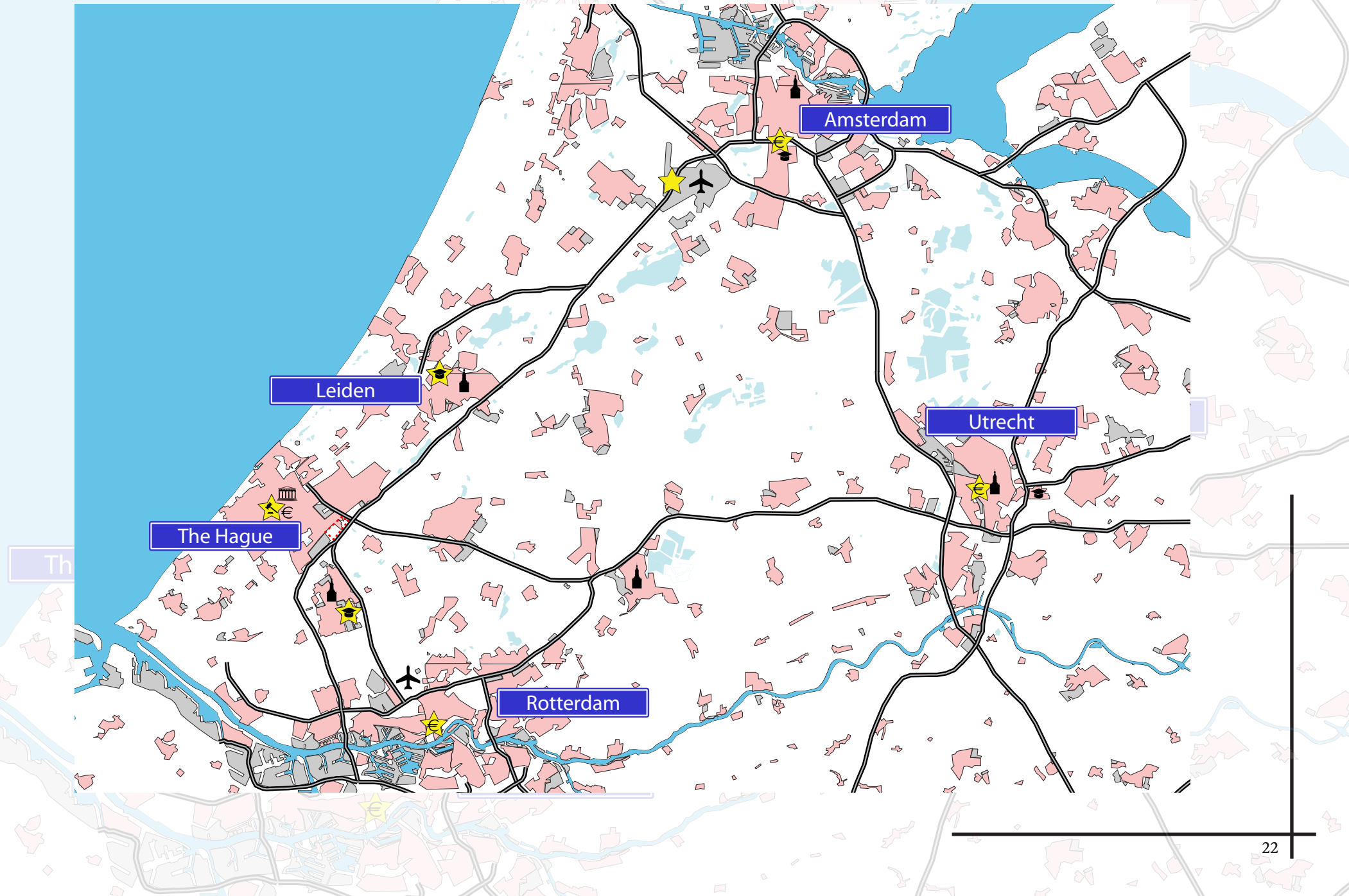


Infrastructure - Public transport

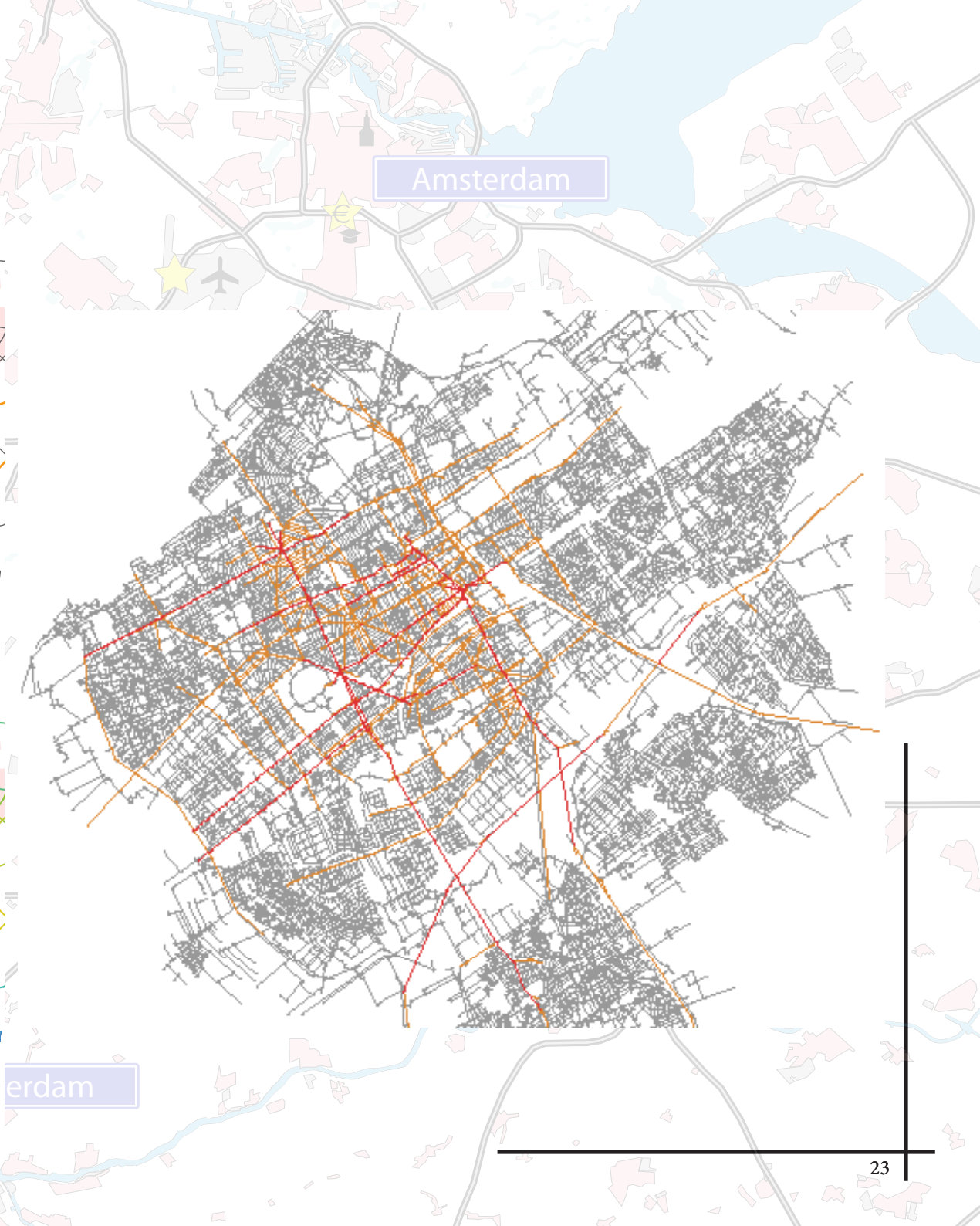
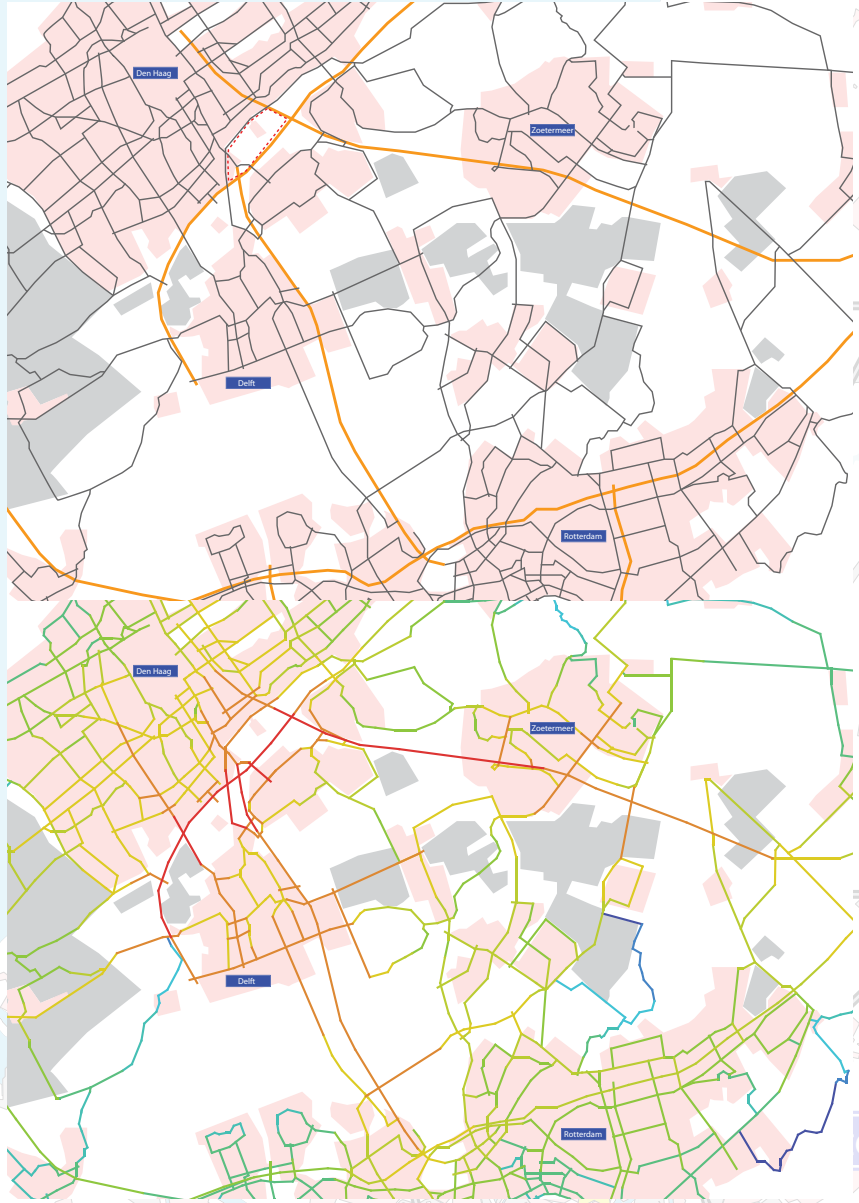


Tram stations

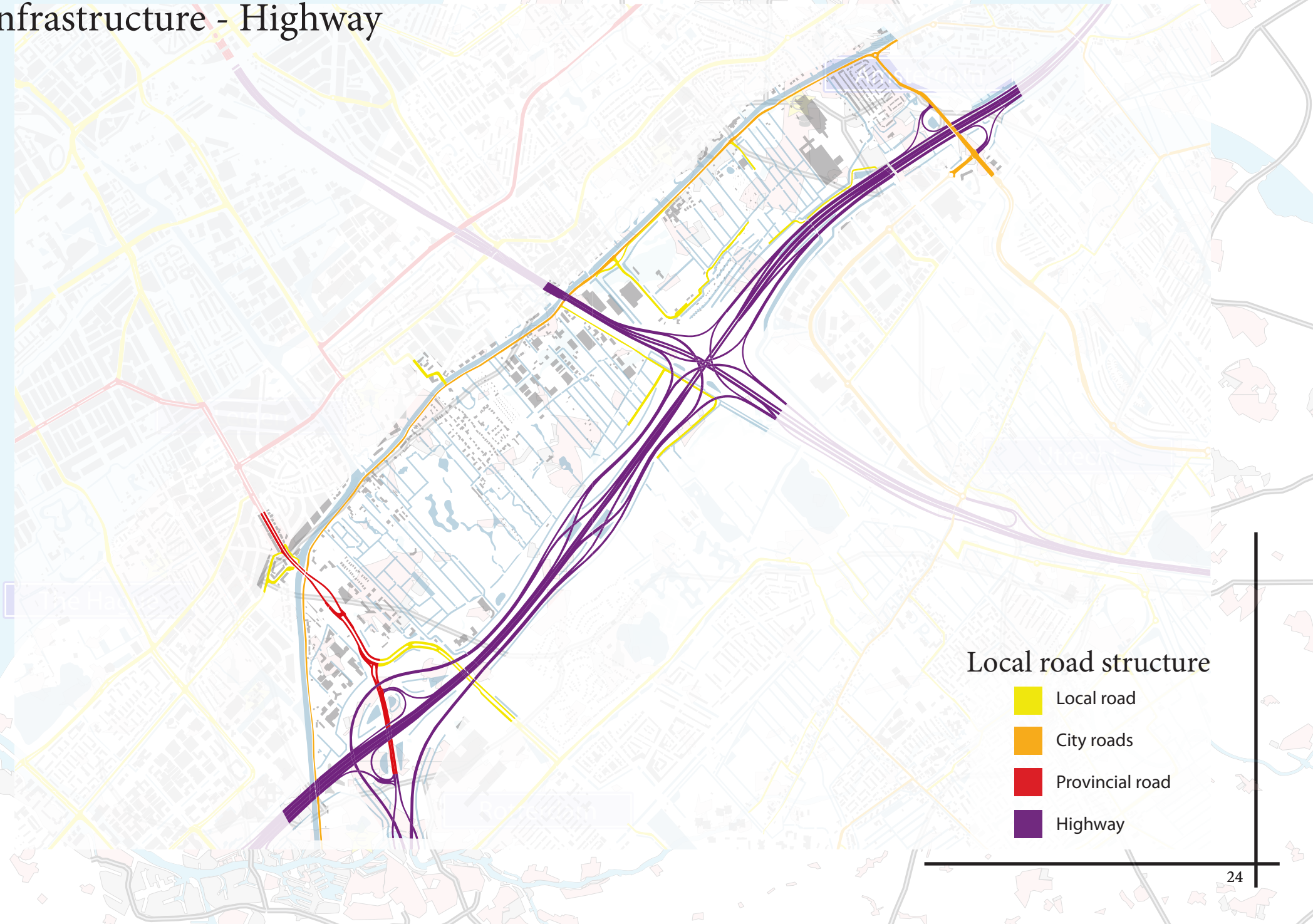
Infrastructure - Highway



Infrastructure - Highway



Infrastructure - Highway



Local road structure

- Local road
- City roads
- Provincial road
- Highway

Infrastructure - Highway



Optimaliseren parallelstructuur: Korte parallelstructuur



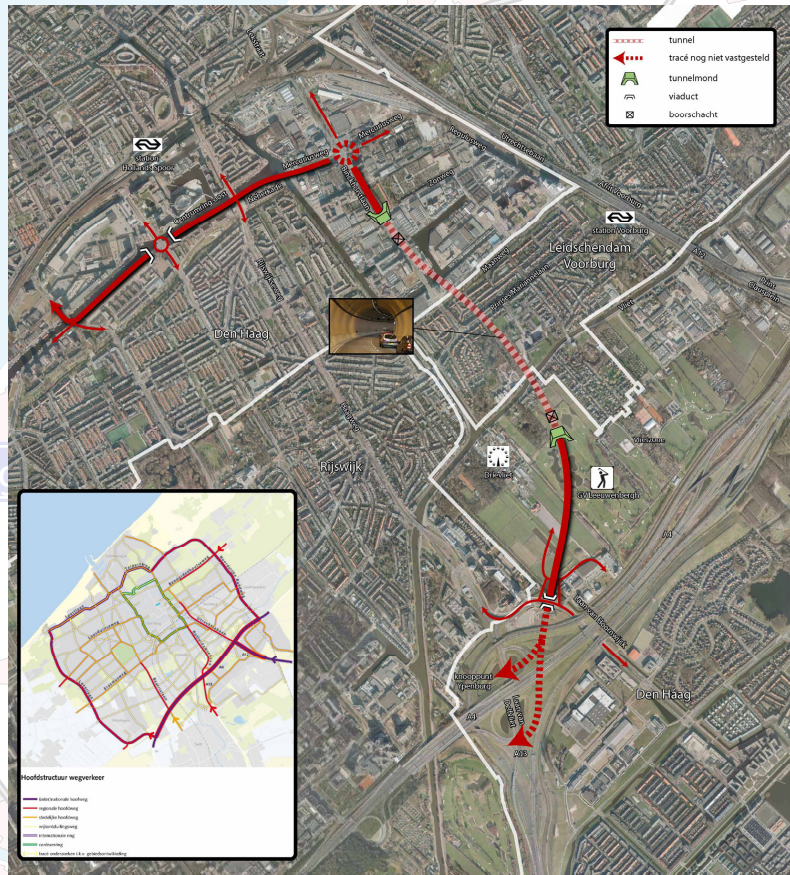
Optimaliseren parallelstructuur: middellange parallelstructuur in combinatie met dubbele knoop op het Prins Clausplein



Optimaliseren parallelstructuur: middellange parallelstructuur



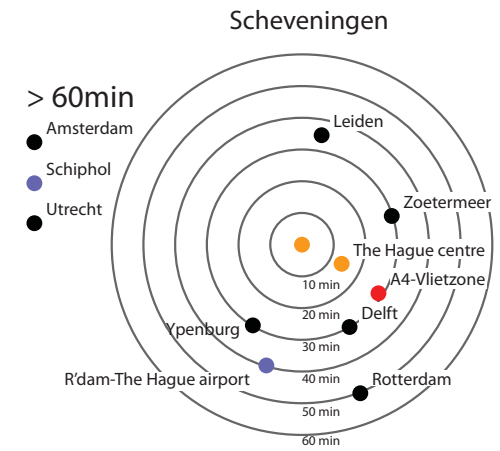
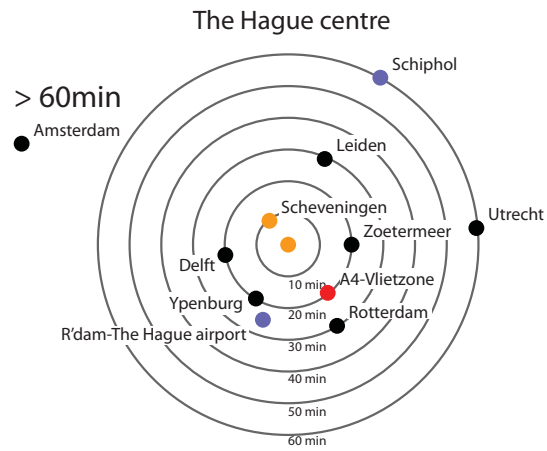
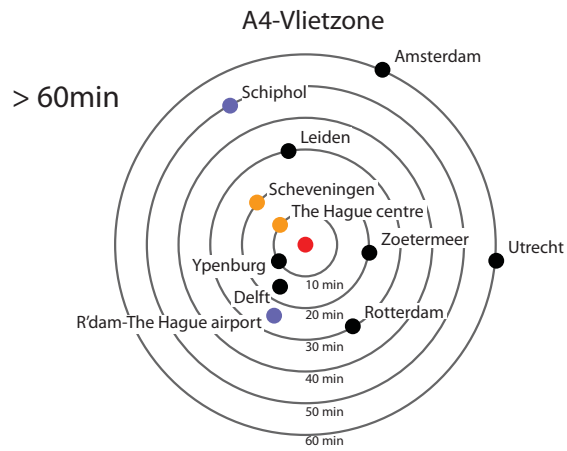
Optimaliseren parallelstructuur: lange parallelstructuur



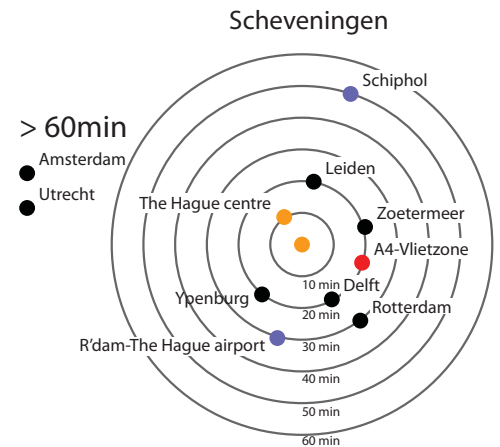
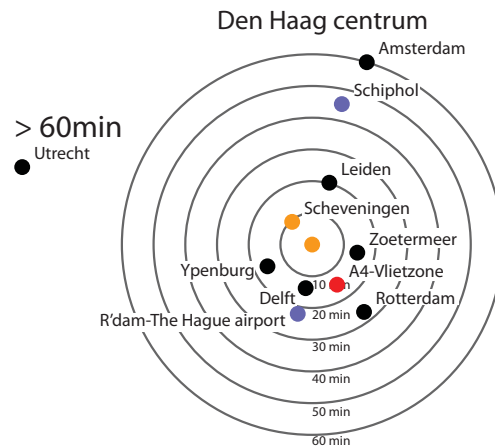
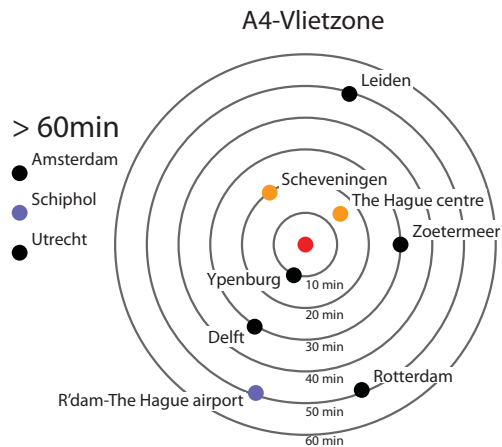
Introduction of the Rotterdamsebaan within the Vlietzone

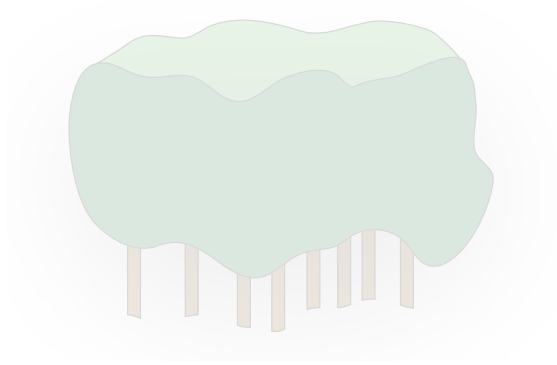
Infrastructure - travel times

Automobile accessibility



Public transport accessibility





Scenarios

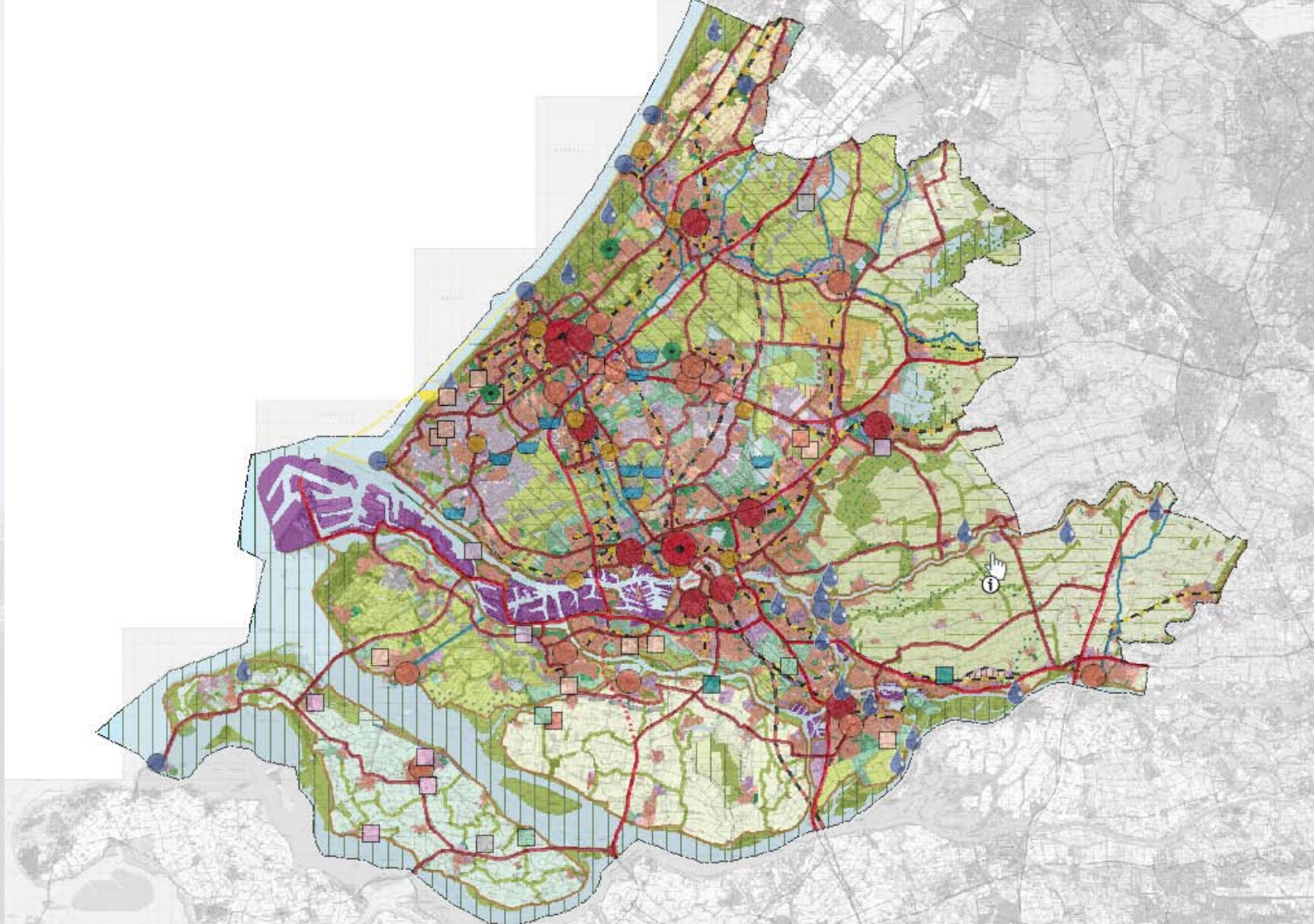
Green
Housing
International



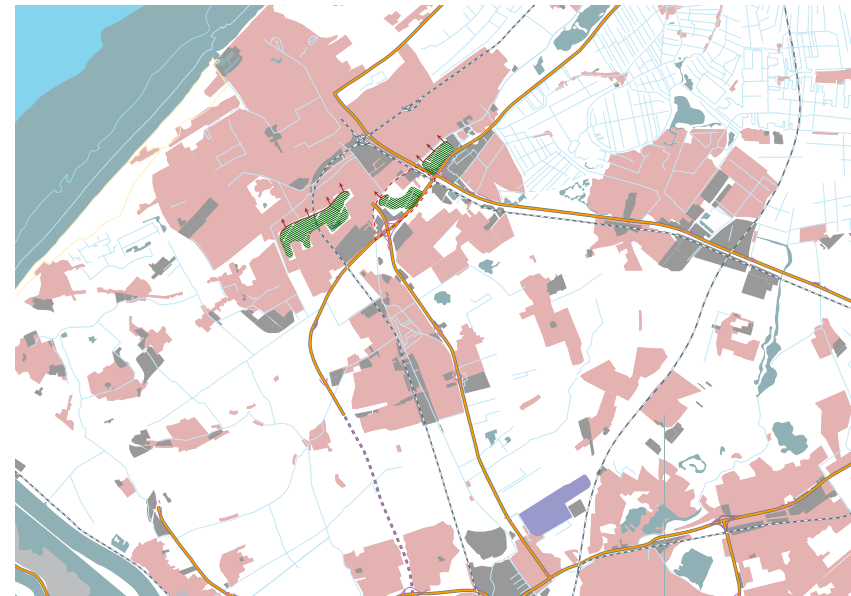
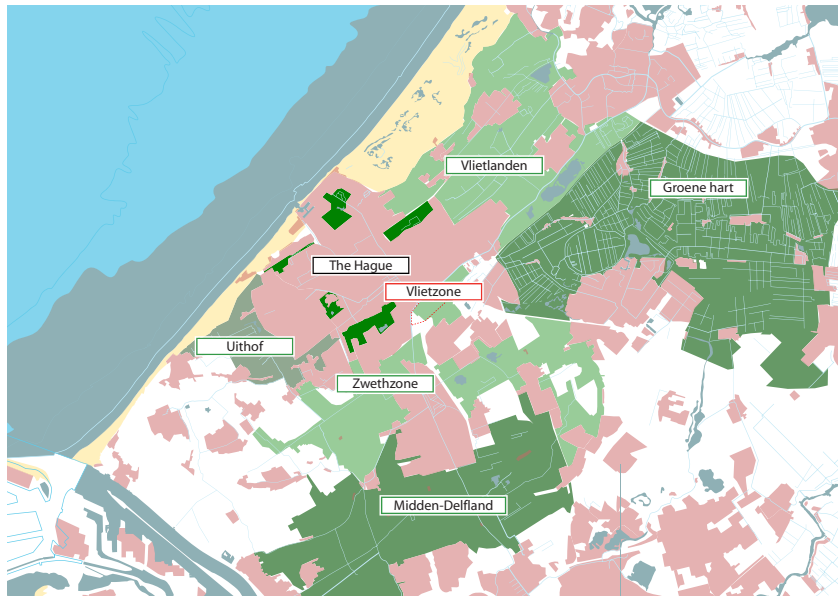
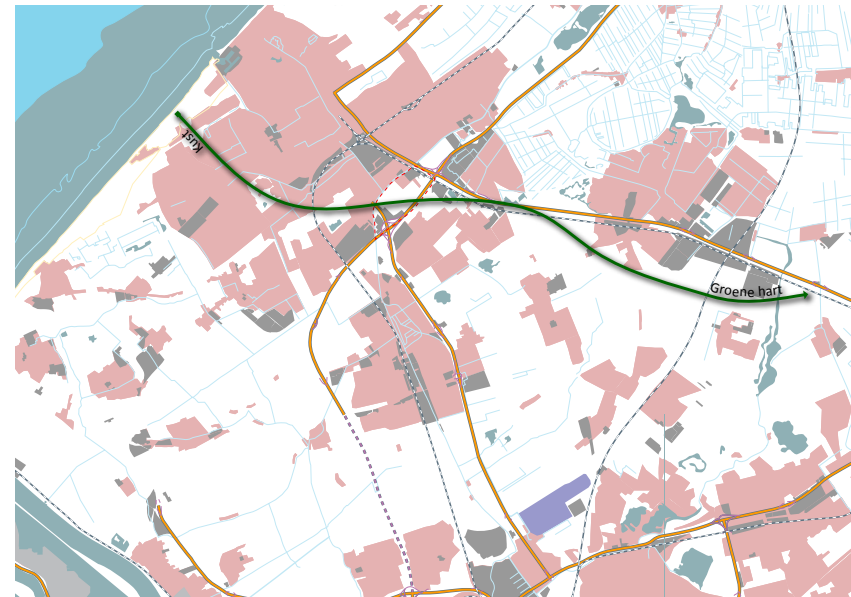
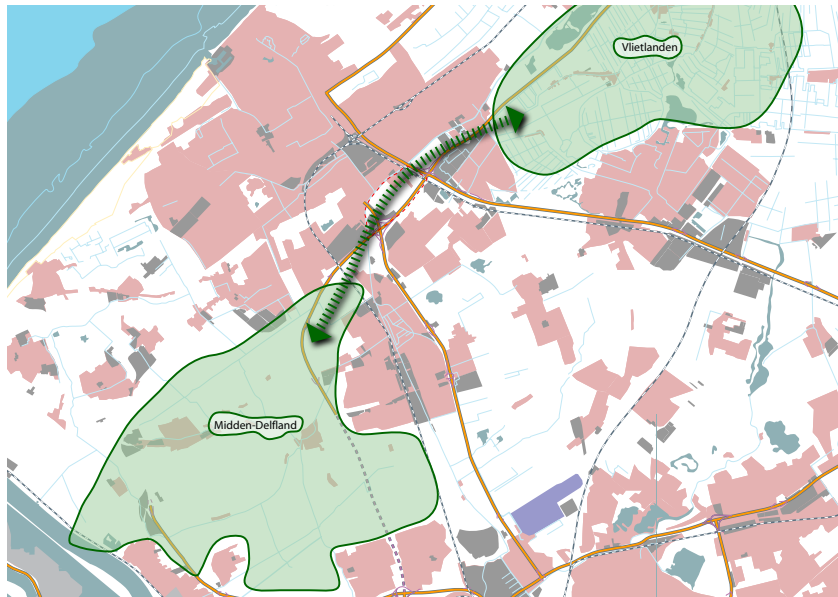
Green scenario



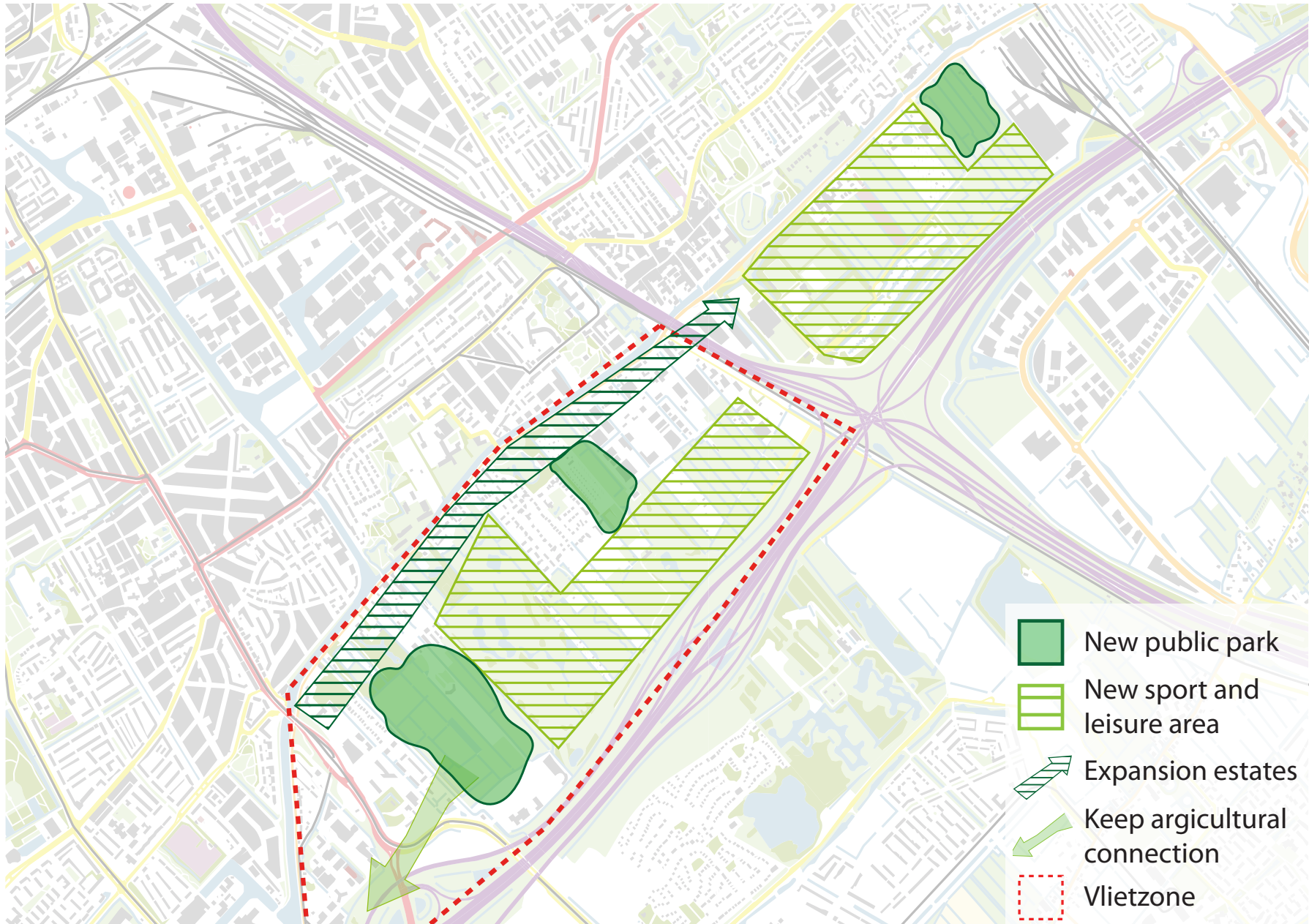
Green - Provincial influences



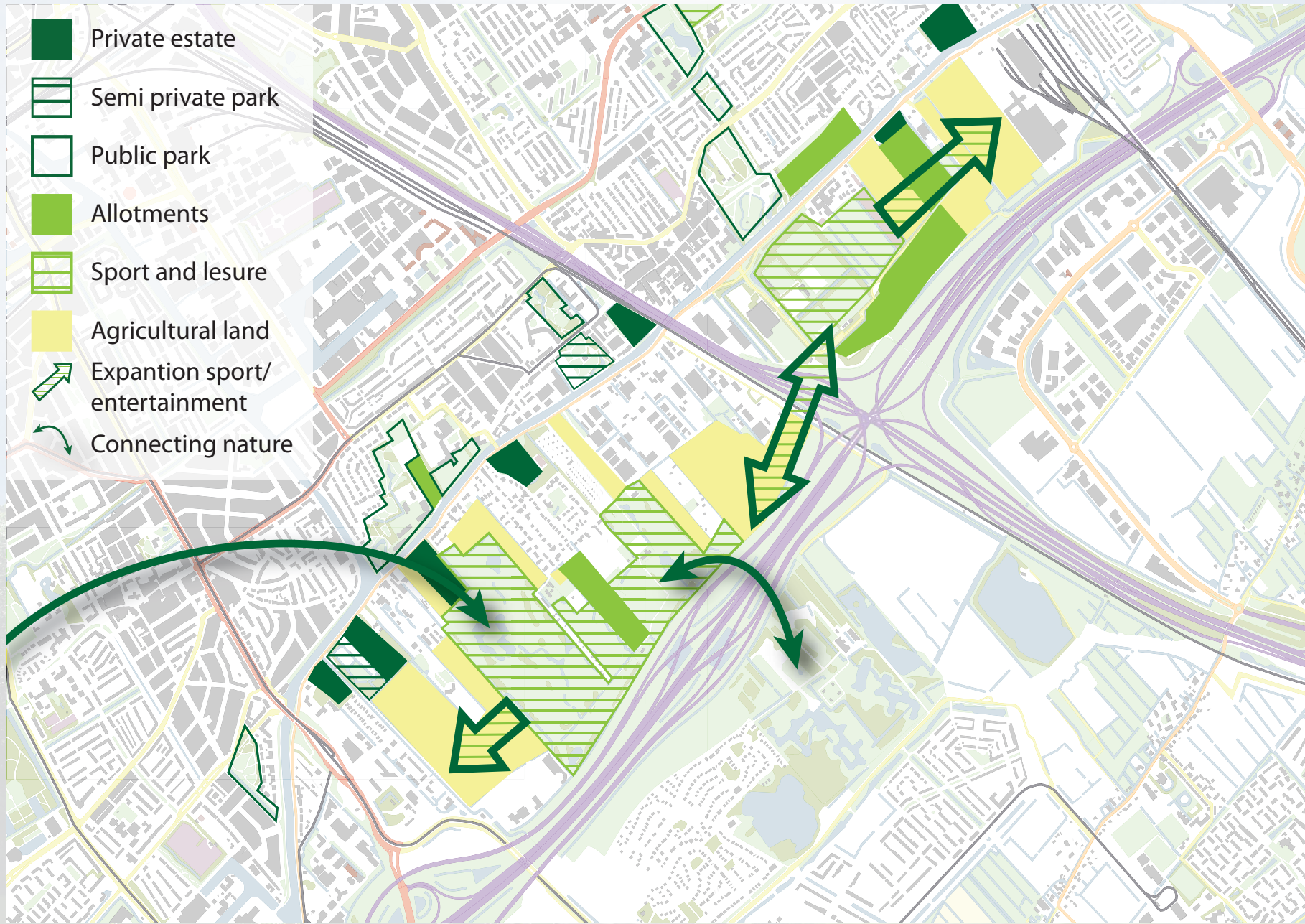
Green - regional structure



Green - Local structure



Green - Effects on the Vlietzone



Housing scenario



Housing- Municipal influence

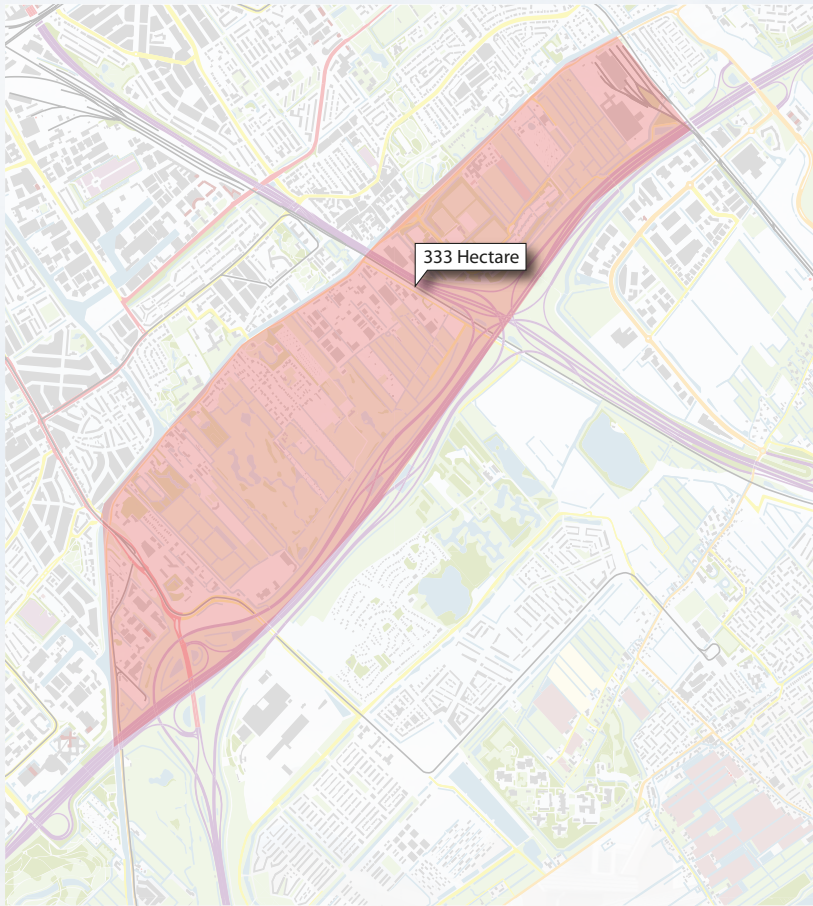


Housing- Local expansion zones



Housing- Density possibilities

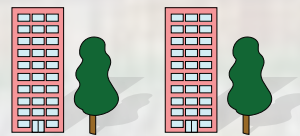
7500 new dwellings



Villas 20 dwellings/hectare



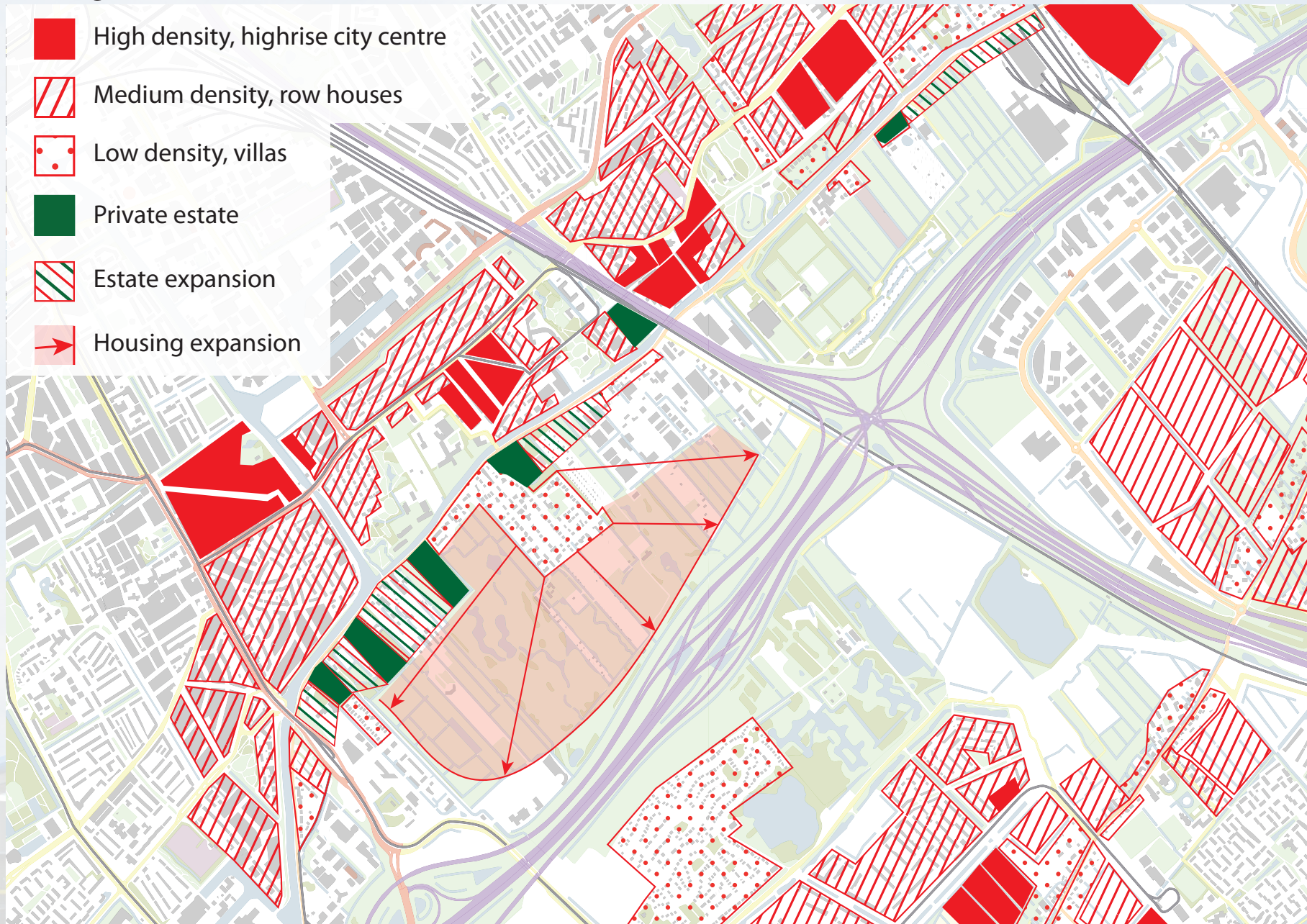
Vinex 40 dwellings/hectare



High density 60 dwellings/hectare



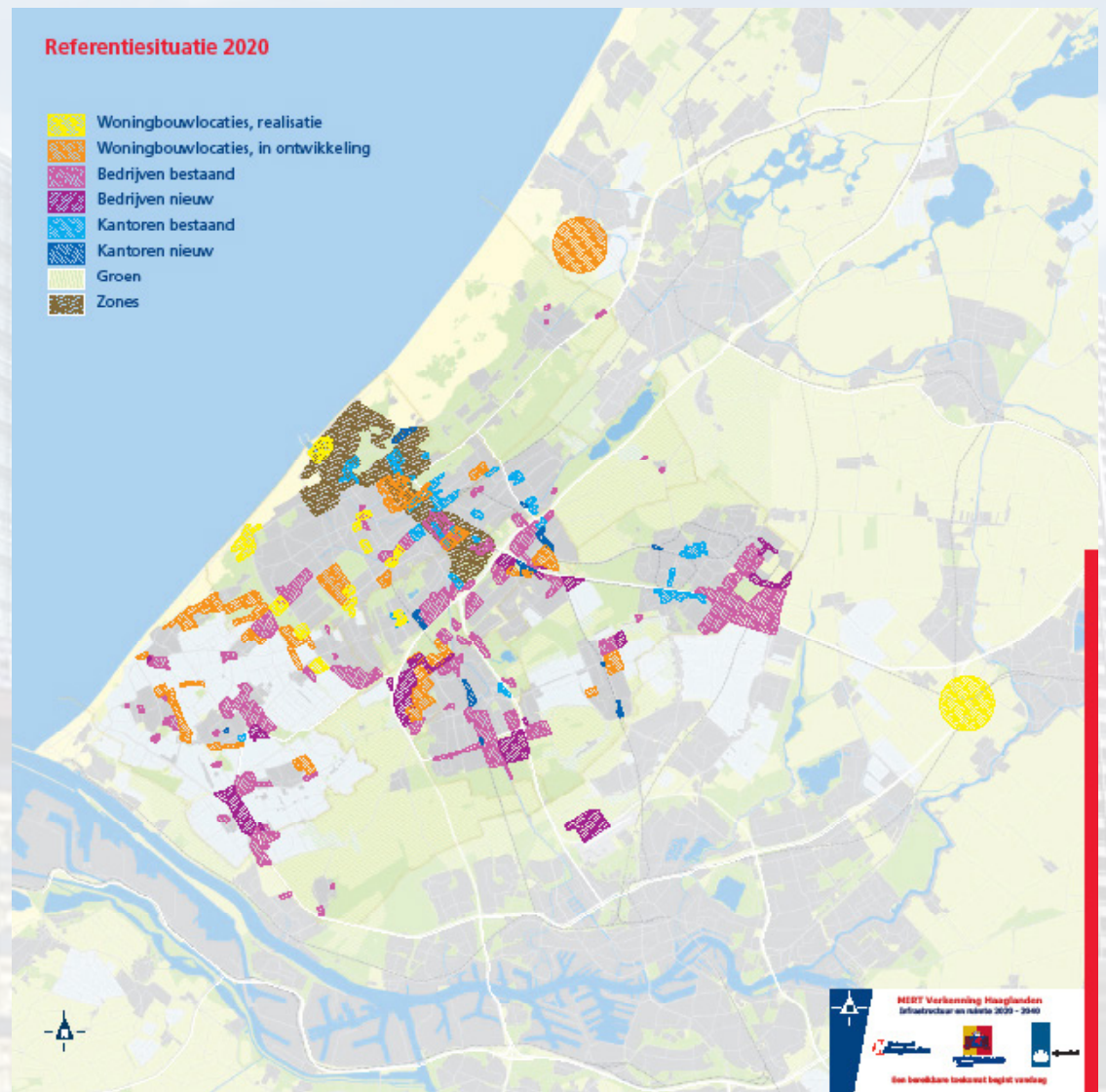
Housing- Effects on the Vlietzone



International scenario



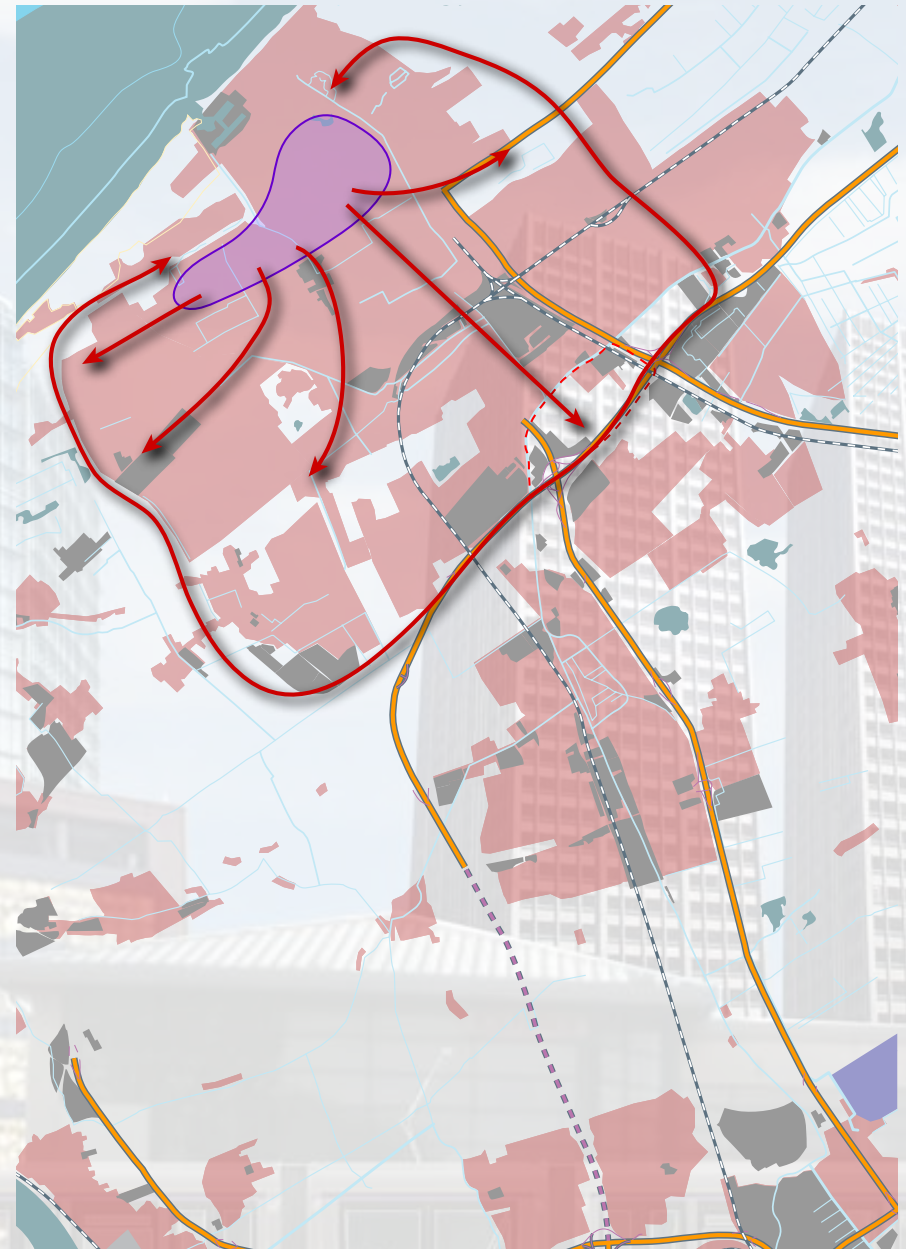
International - Municipal and Regional influences



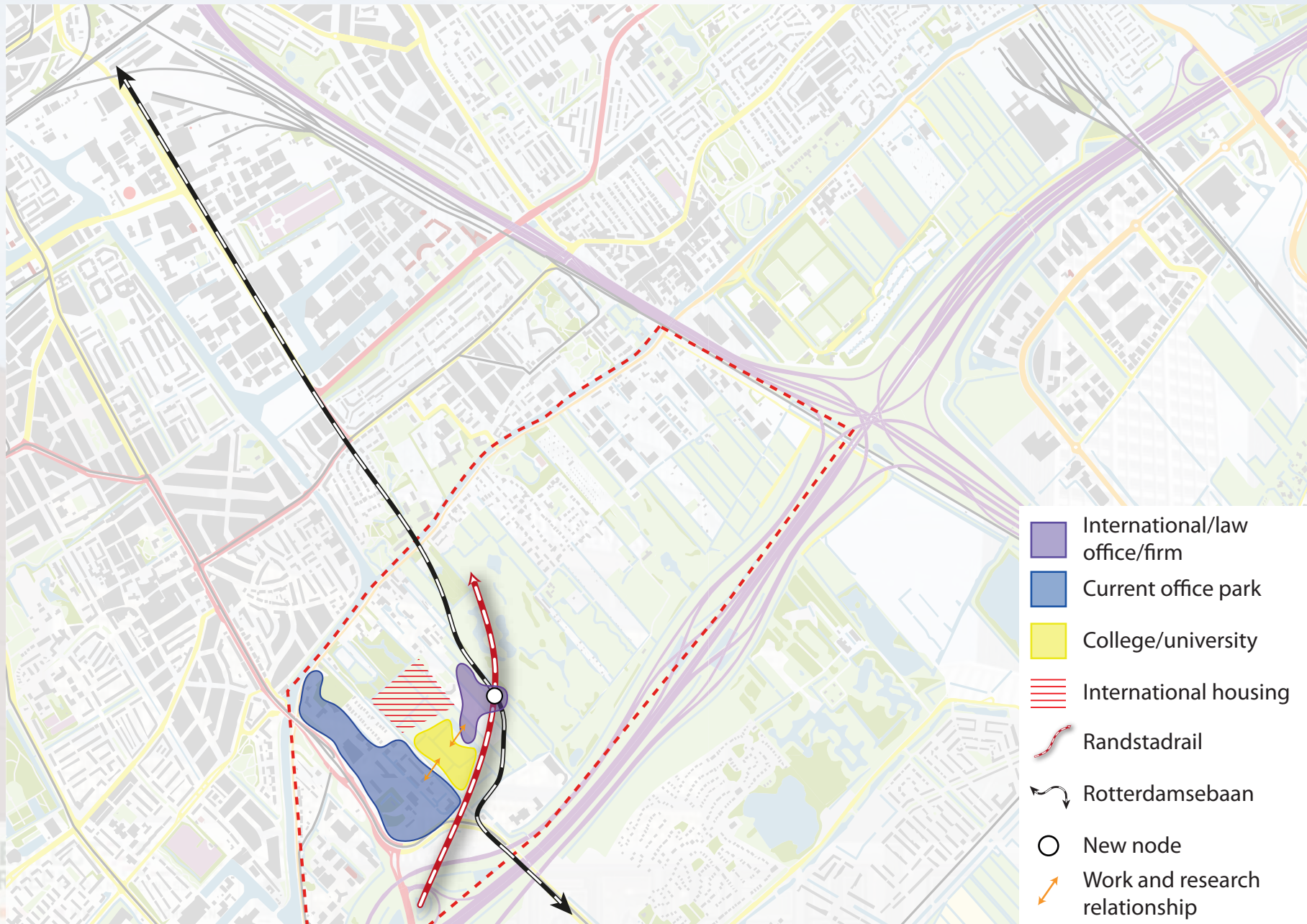
International - Focus on knowledge



International - Connecting international areas



International - Effects on the Vlietzone

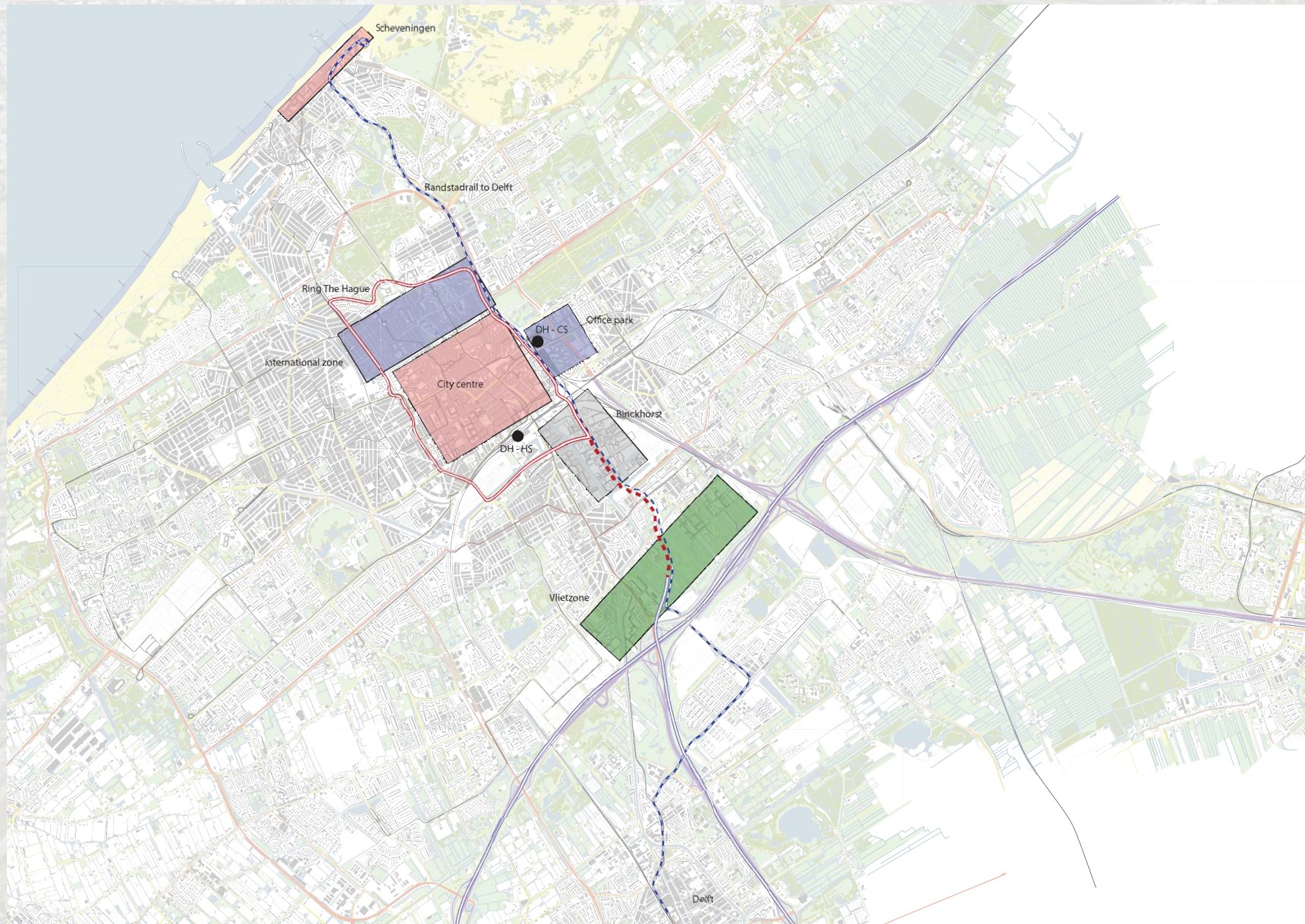


An aerial photograph of a city with a river, overlaid with a semi-transparent 3D architectural model of a building complex. The model shows various building footprints and heights, situated along a riverbank. The background is a faded, high-angle view of the city's street grid and buildings.

Design: Vliet entrée

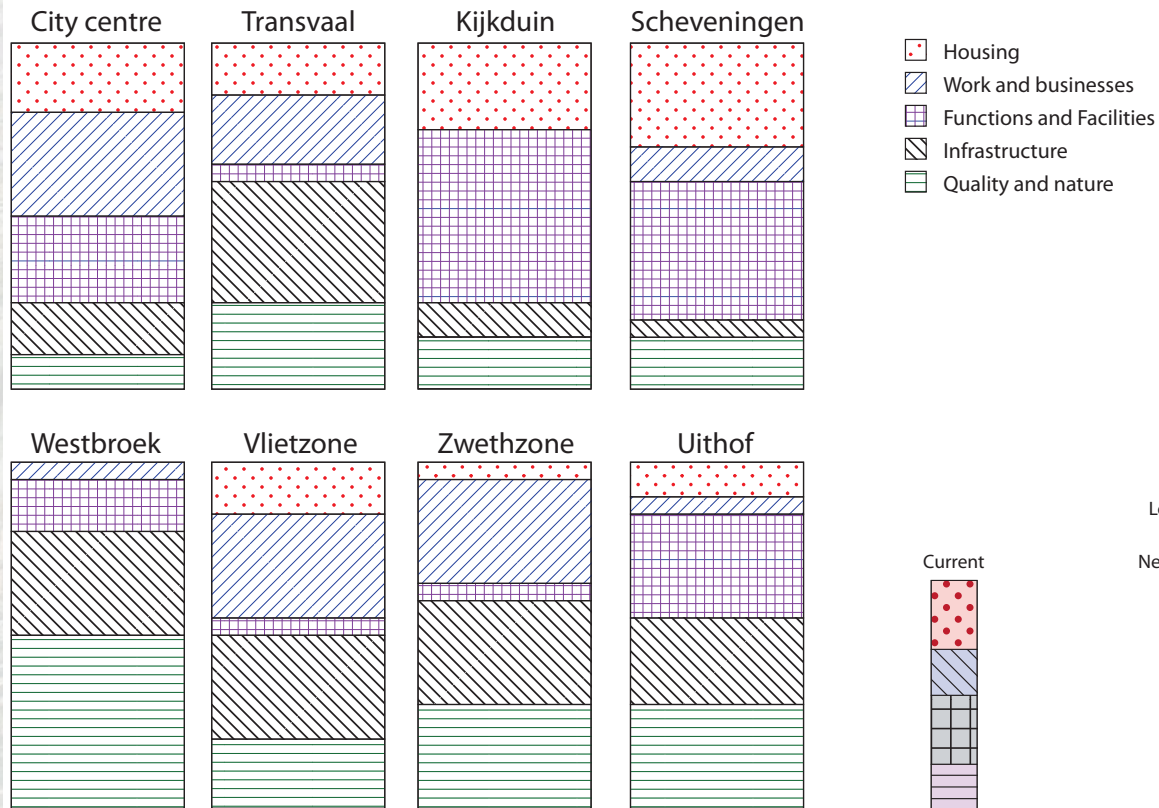
Structure
Morphology
Design

Structure - International choice

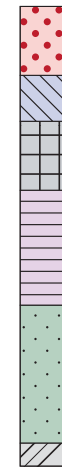


Structure - International choice

Focus of functions per key project

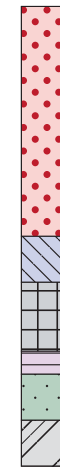


Current



Lokaal - Stad Den Haag

Neighbourhood Vlietbuurt



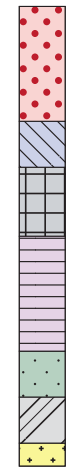
Regionaal - Provincie ZH

Park Haag en Vliet

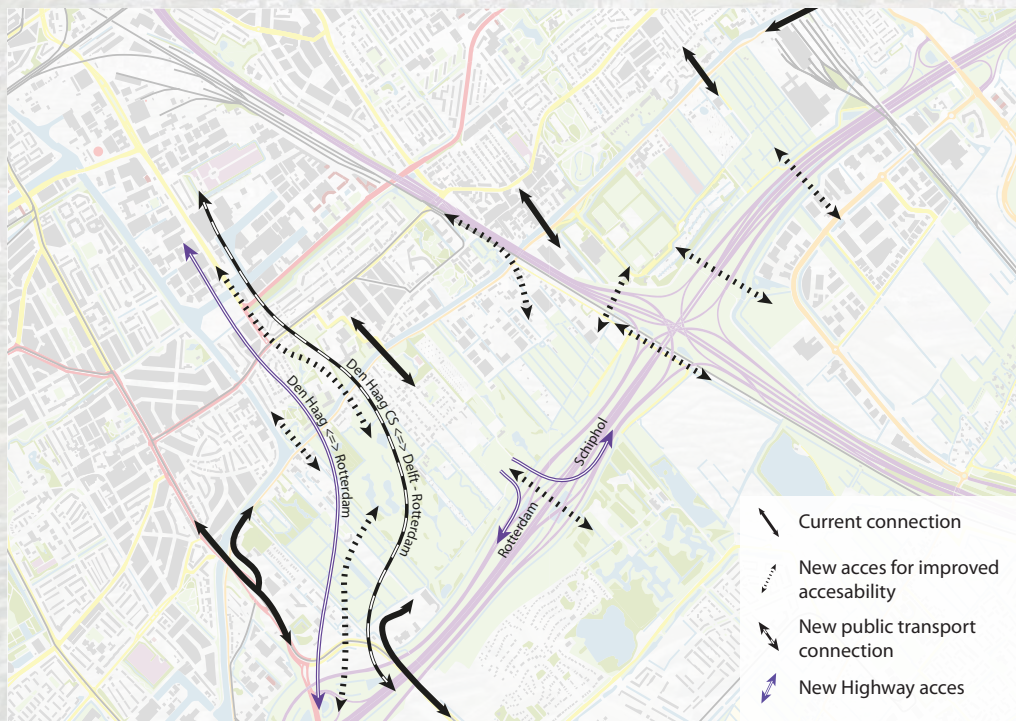


Regionaal - Kennis as

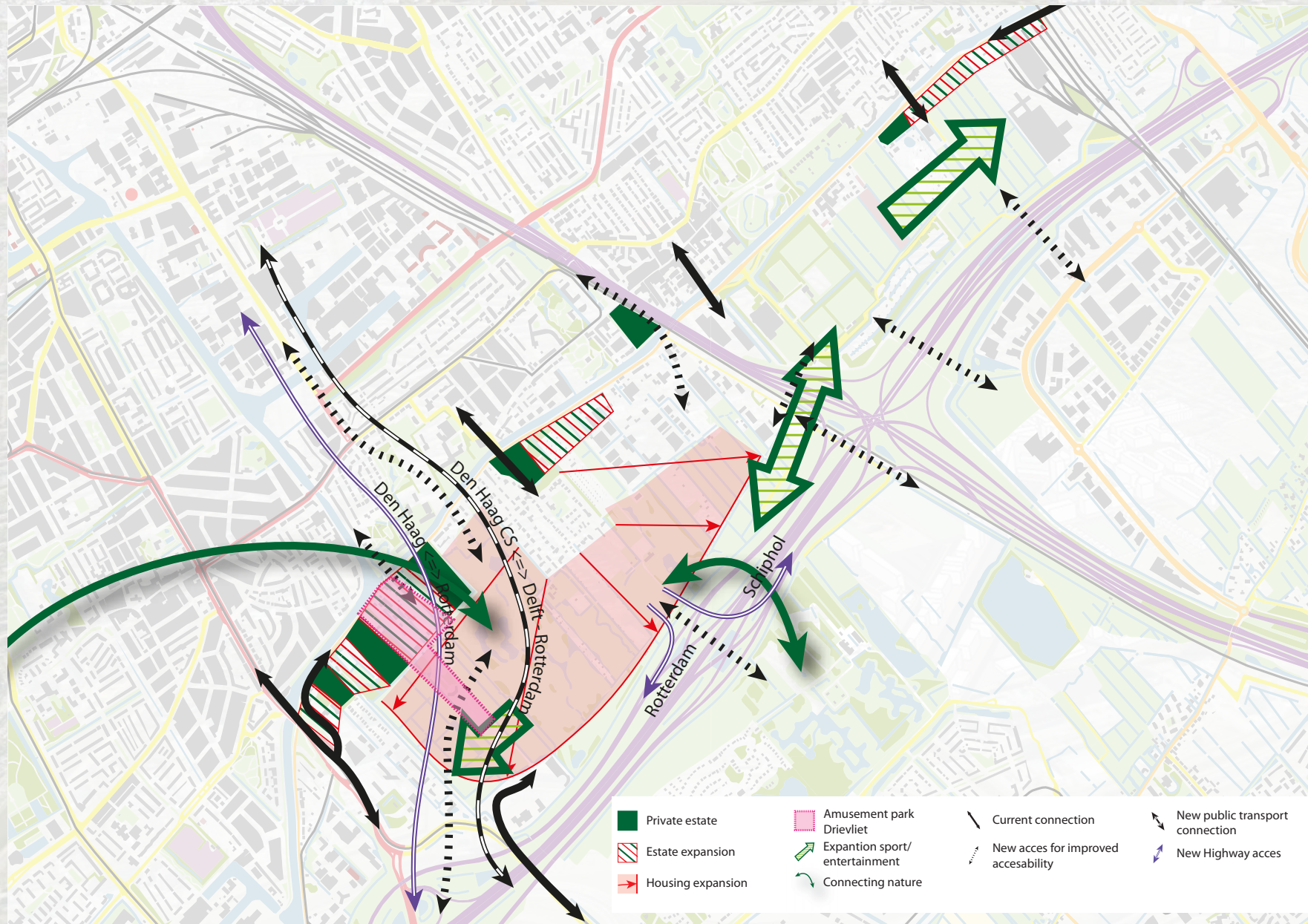
Haagse Universiteit HU



Structure - New infrastructure



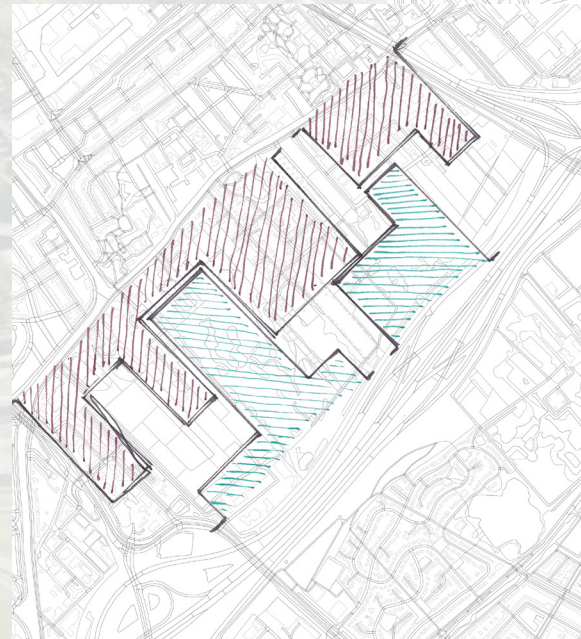
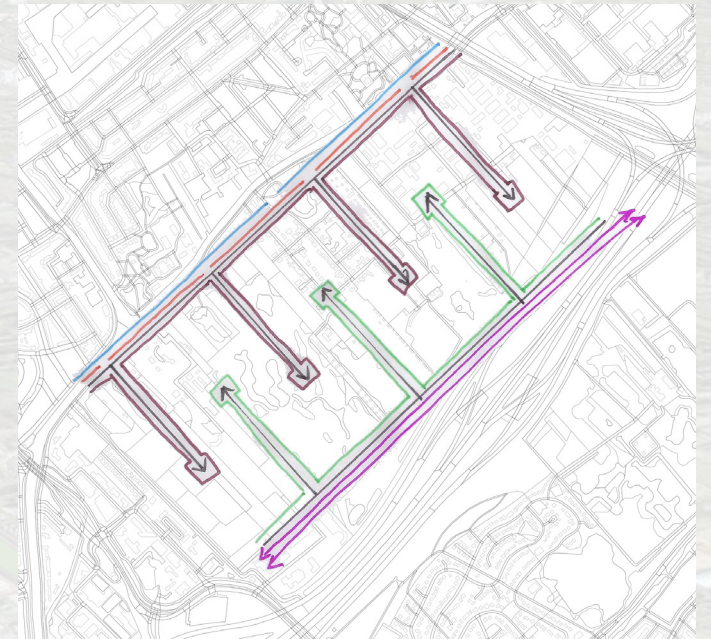
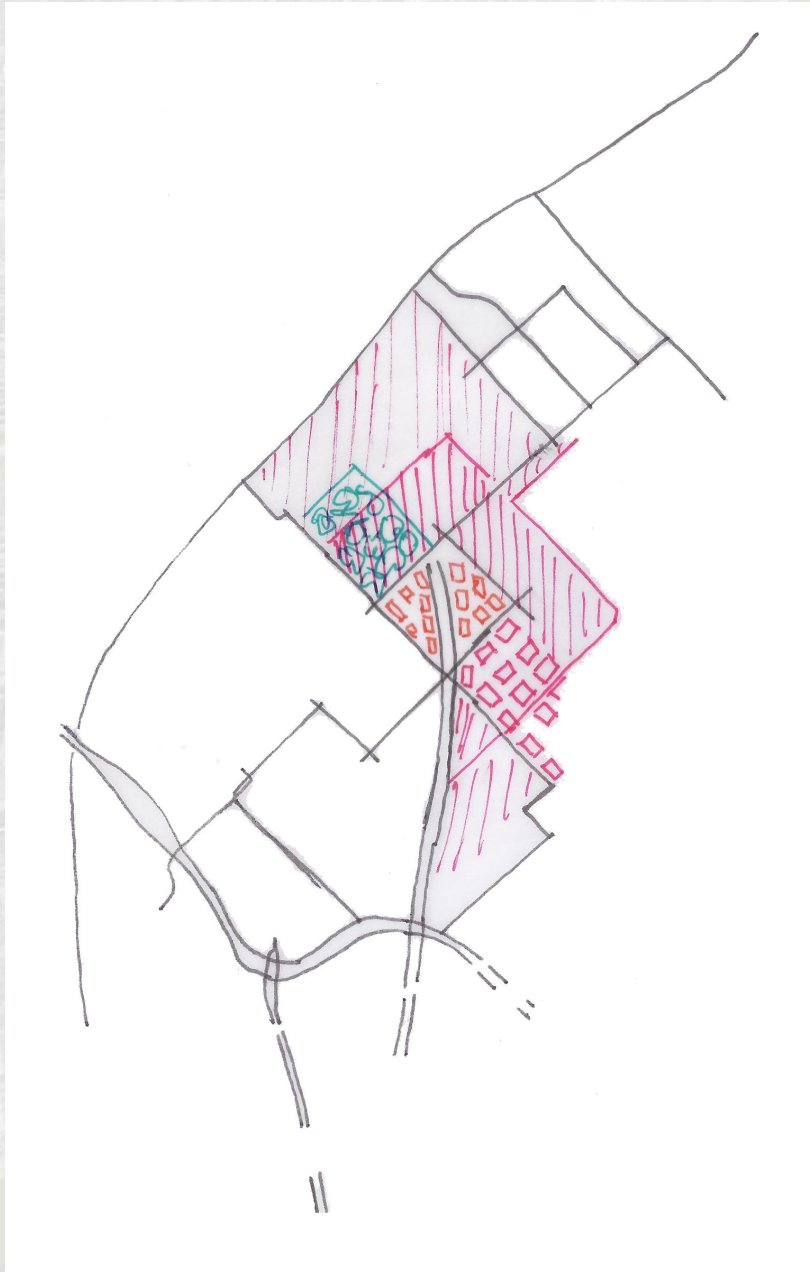
Structure - Local structures



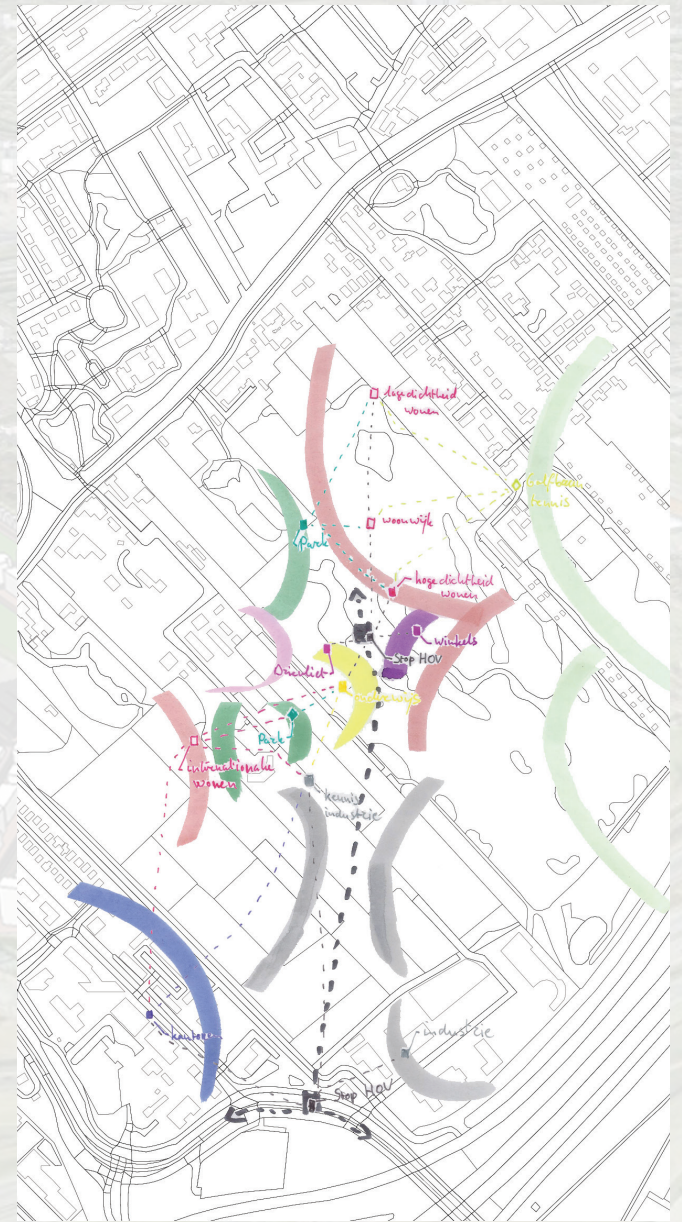
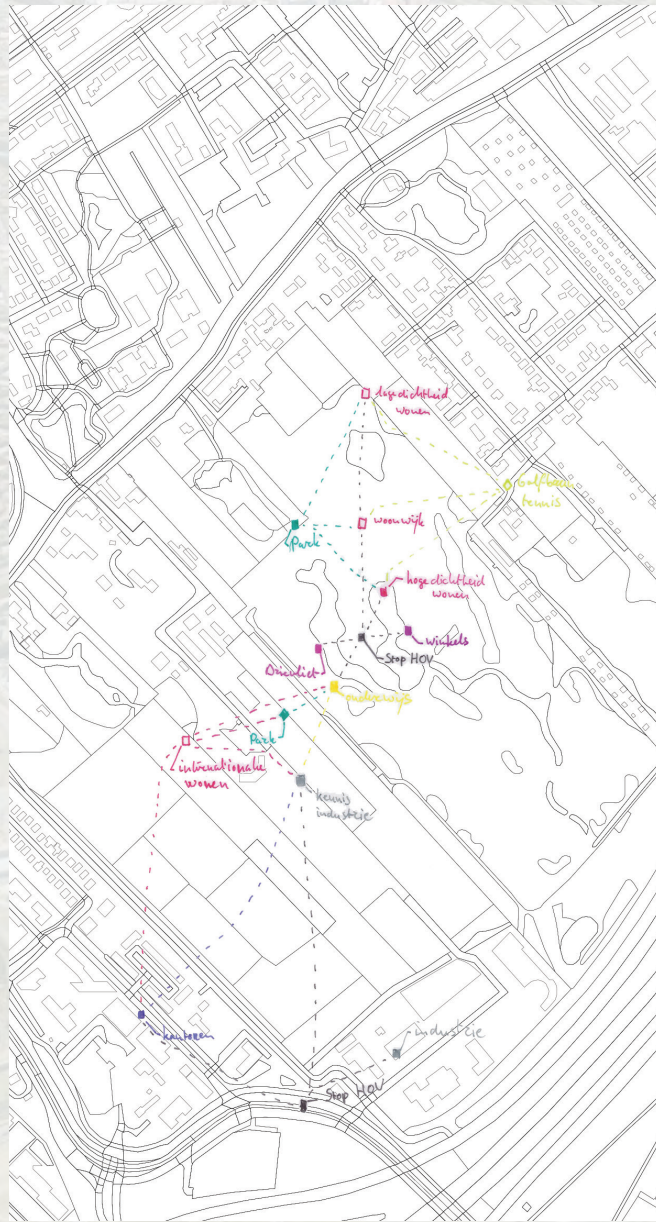
Structure - Important locations



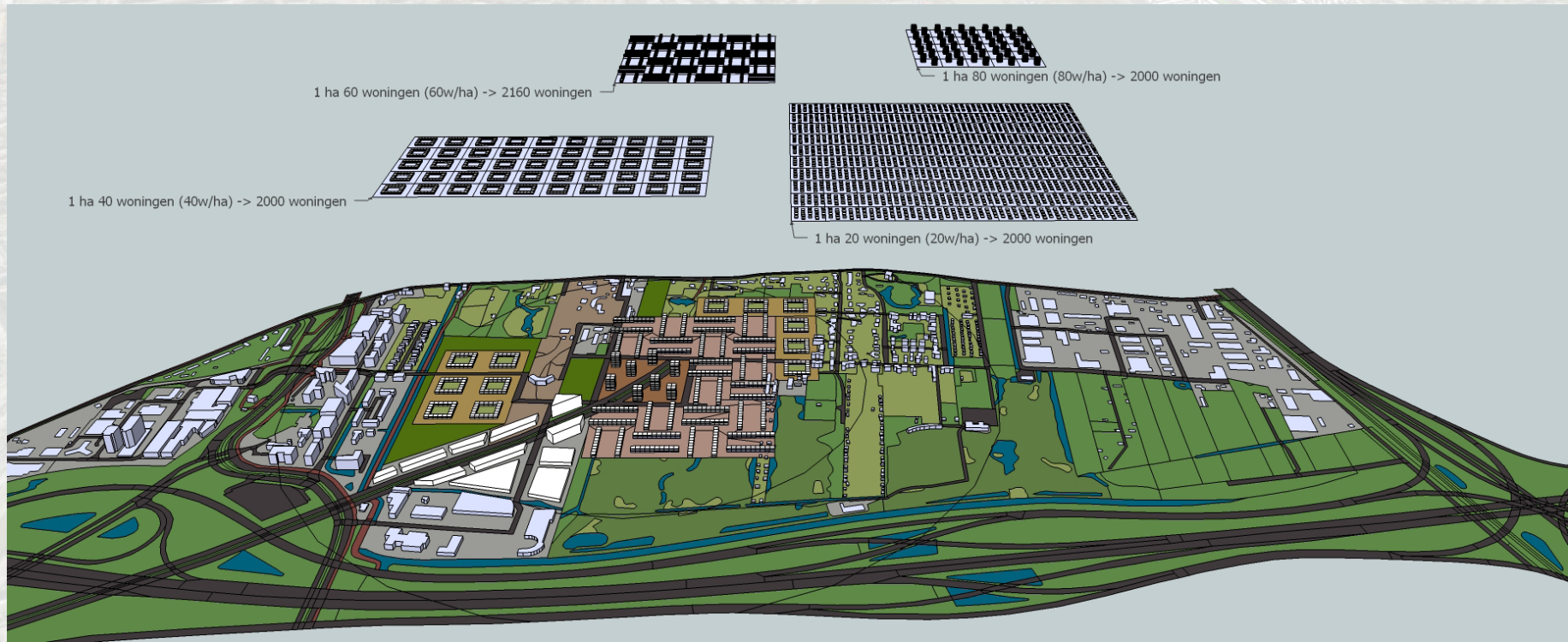
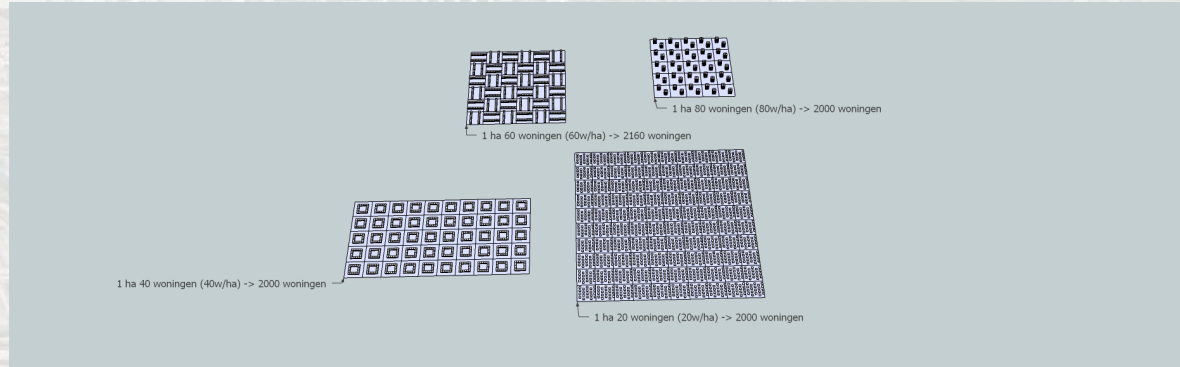
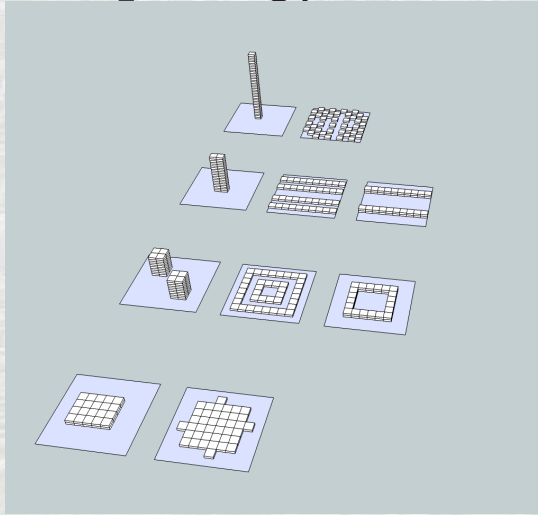
Morphology - Local structure



Morphology - Plan structure



Morphology - Density study



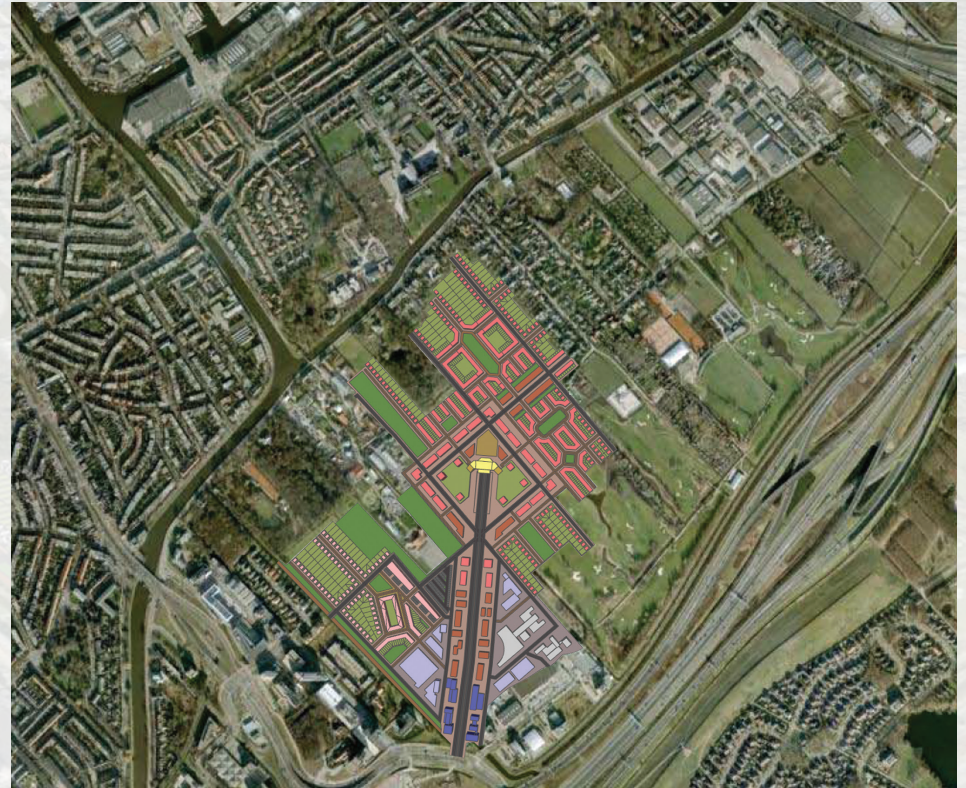
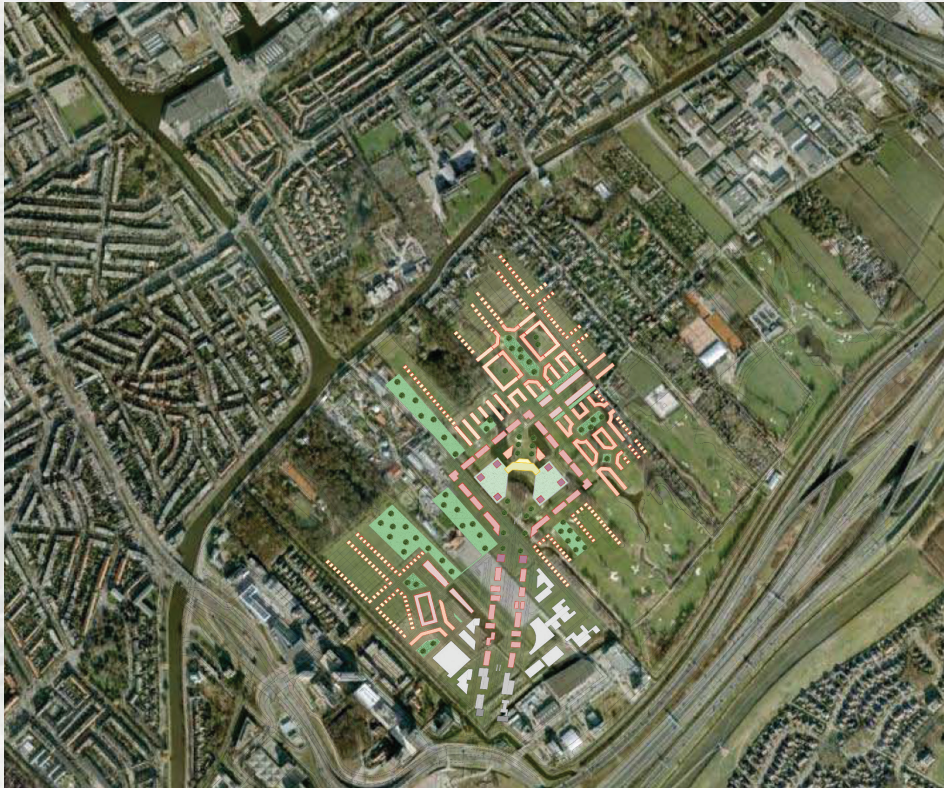
Morphology - Density and structure



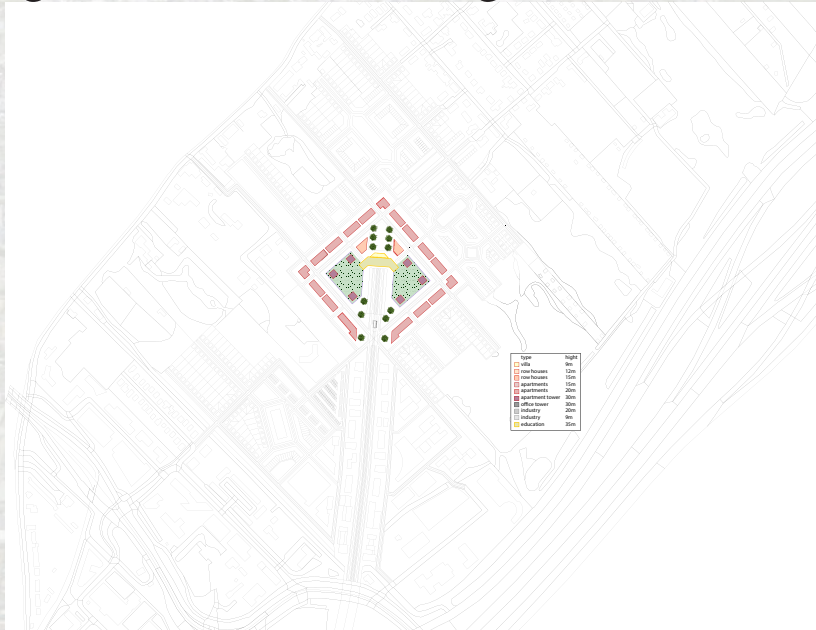
Design - Location within The Hague



Design - Projected into the Vlietzone

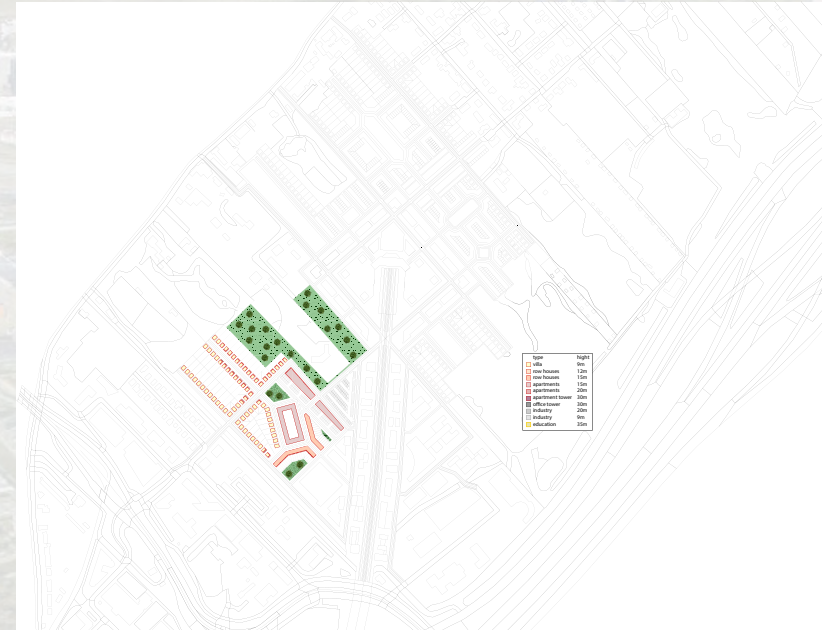


Design - Plan with neighbourhoods



Vliet heart

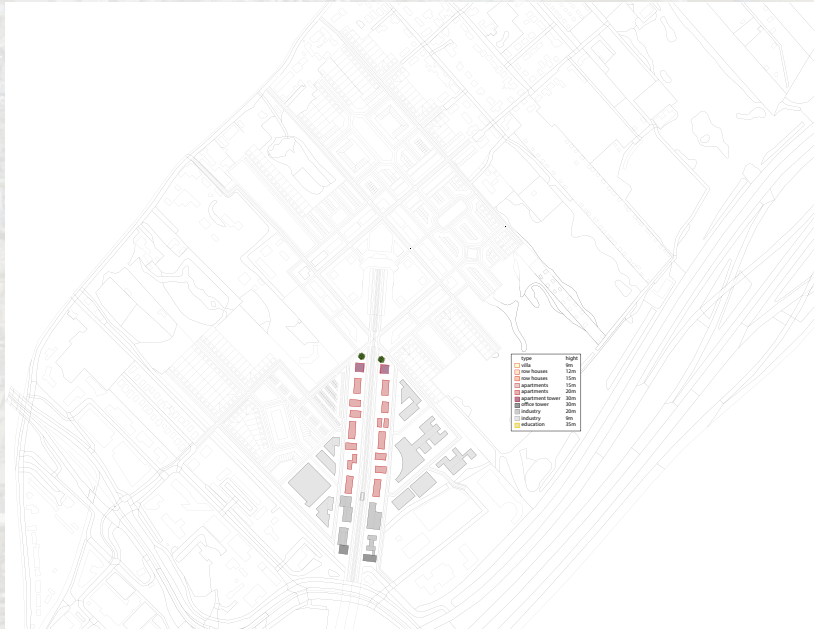
houses	100 m2
luxurious apartments	75m2
student apartments	50 m2
Campus/congress centre:	
education	20000m2
Retail and shopping:	
shops	8000m2
parking	30000m2
houses	352
luxurious apartments	162
student apartments	166
total	680
area size	8.5 hectare
houses/hectare	80



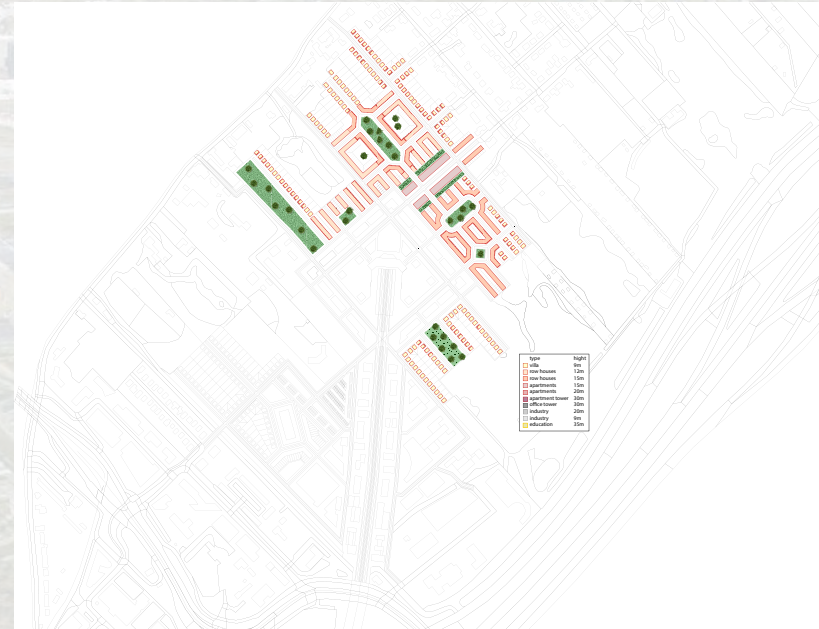
International living

Villas	150 m2
row houses	100 m2
luxurious apartments	75 m2
Villas	72
row houses	146
luxurious apartments	140
total	358
area size	9 hectare
houses/hectare	40

Design - Plan with neighbourhoods

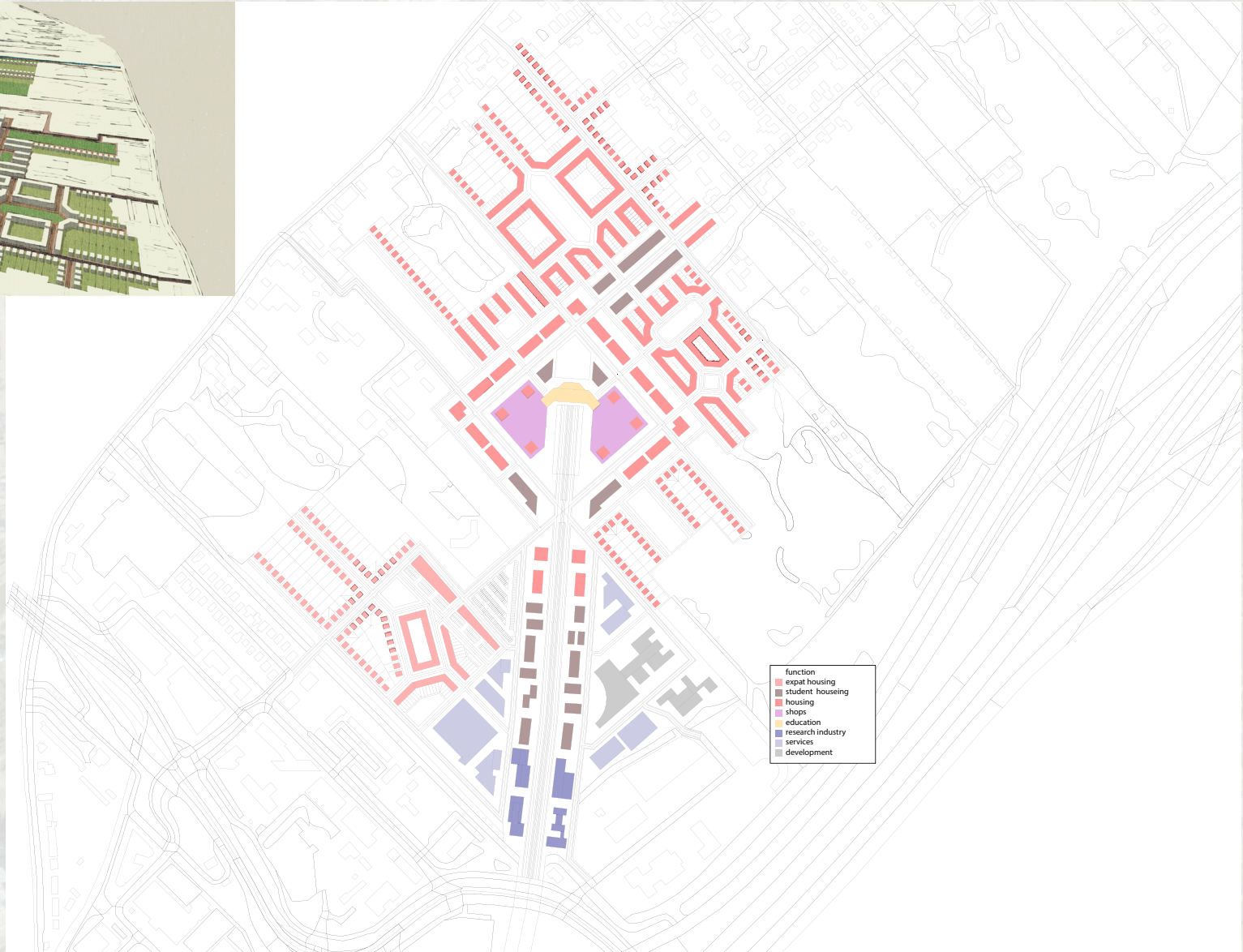


City Boulevard	
houses	100 m2
student apartments	50 m2
knowledge industry total:	
research	13000m2
development	8500m2
services	21000m2
houses	215
student apartments	215
total	430
area size	12 hectare
houses/hectare	35



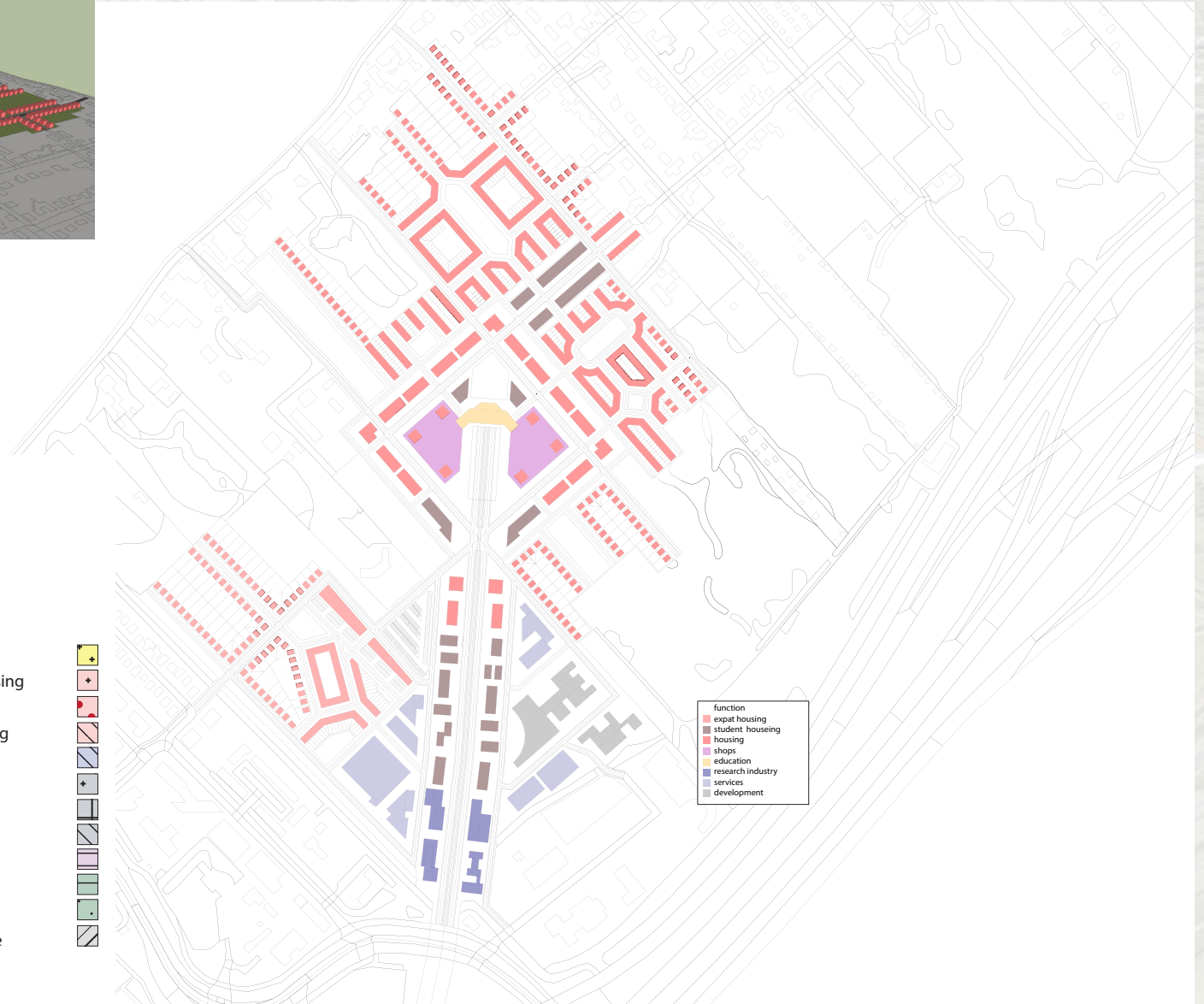
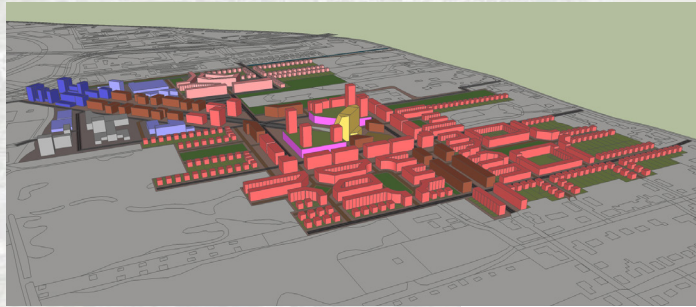
Haags Living	
villas	150 m2
row houses	100m2
student apartments	50 m2
villas	269
row houses	504
student apartments	260
total	1033
area size	20 hectare
houses/hectare	52

Design - Total plan



Vlietzone living	
villas	150m2
houses	100 m2
luxurious apartments	75m2
student apartments	50 m2
campus	20000m2
shops	8000m2
parking	30000m2
industry	42500m2
villas	341
houses	1217
luxurious apartments	302
student apartments	641
total	2501
area size	50 hectare
houses/hectare	50

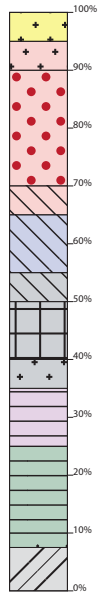
Design - Building types



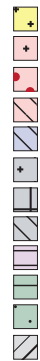
Vliet entree

International, education,
transit oriented

Current

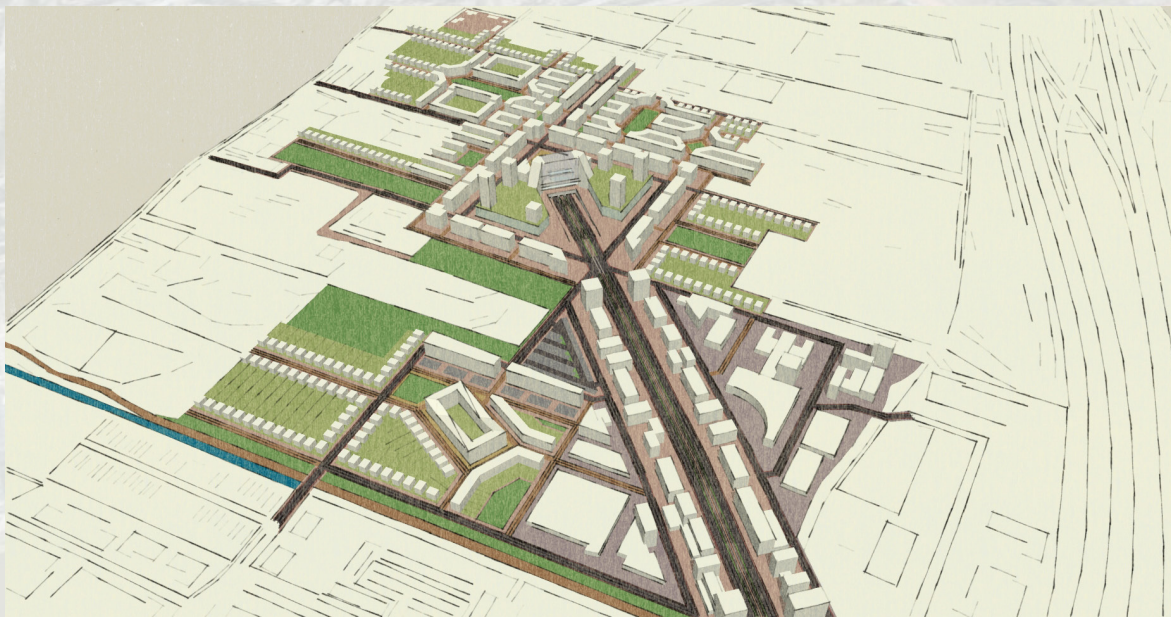
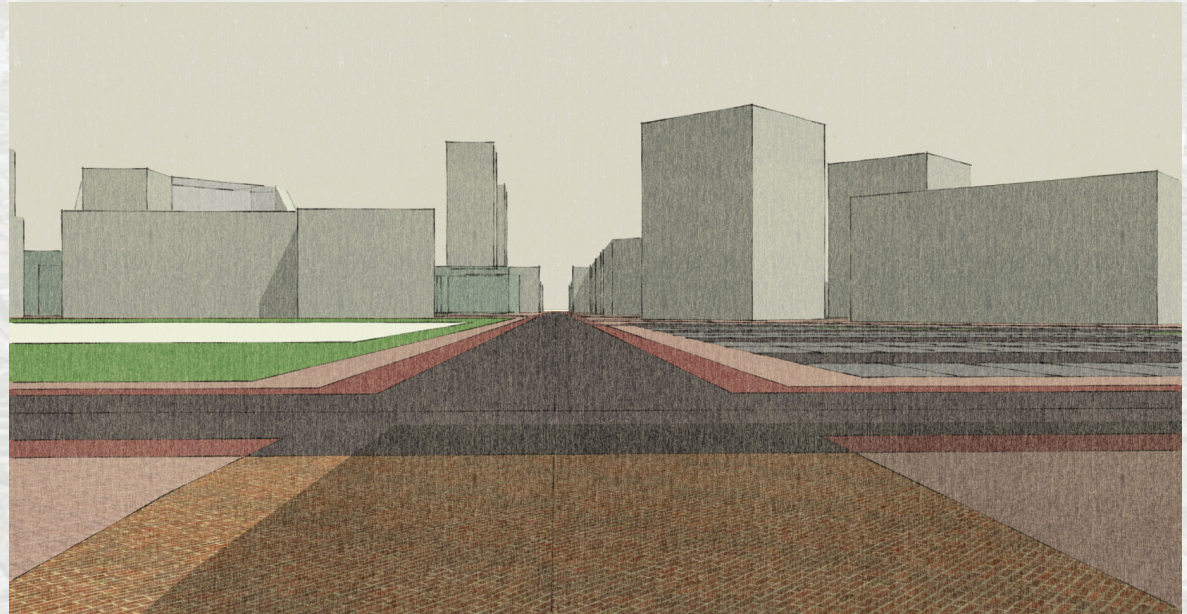


- Education
- Student housing
- Housing
- Expat Housing
- Office
- Research
- Services
- Production
- Leisure
- Golf course
- Nature
- Infrastructure



- function
- expat housing
- student housing
- housing
- shops
- education
- research industry
- services
- development

Design - 3D views



Design - 3D views



Design - Section and impression

