



EUROPEAN CITIES AND REGIONS NETWORKING
FOR INNOVATIVE TRANSPORT SOLUTIONS



SMART(ER) GATES Multi use and multi functional HUB's

ADVIER Mobiliseert, NIO Architecten en OKRA landschapsarchitecten

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Background and team

- Contest City of Antwerp “design contest for parking houses (P+R / HUB / Transferium)

=> “why do HUB’s start with a lot of ambition and end in a ugly (and empty) parking garage?”





Ambition

=

Cost



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The team



Advier, Delft

Behaviour scientist

Business development



OKRA, Utrecht

Landscape architects,



NIO, Rotterdam

architects

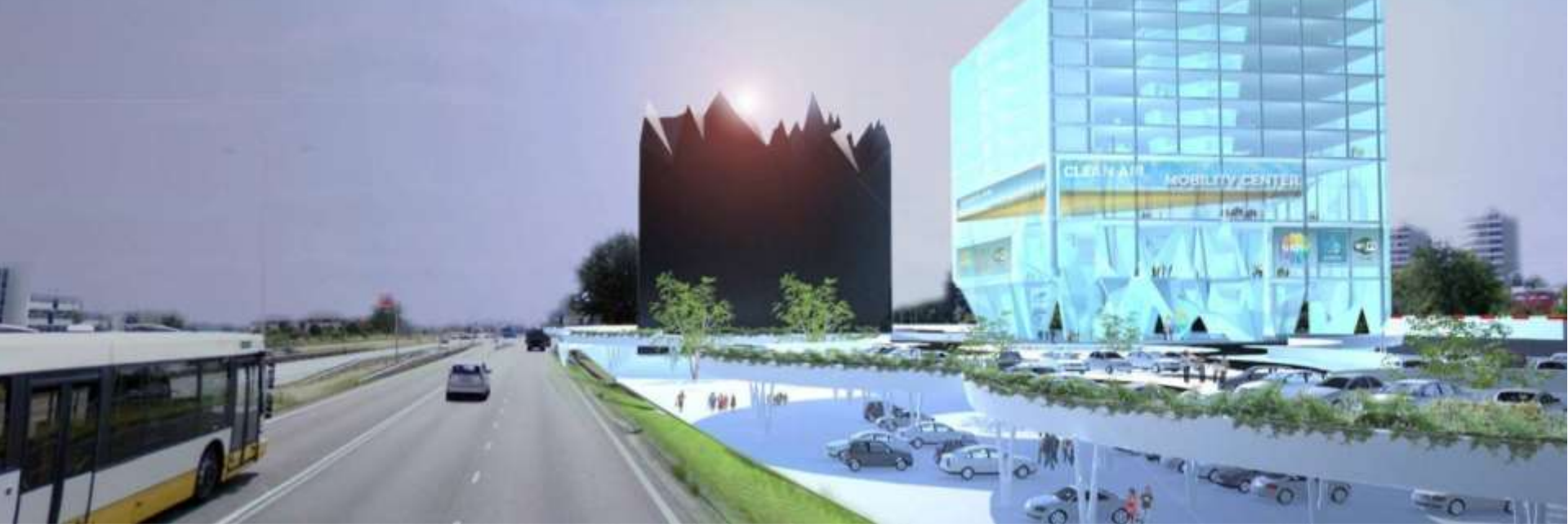


Most important findings

- P+R/HUB's are often designed as a building! Why?
- Location is based as an outcome of *“traffic and transport models”*
- Project development is managed by traffic and transport engineers, therefore
 - Hub's are not integrated in their direct environment
 - It is not seen as a challenge for Urbanists, while it is the *“gate of the city”*

Most important findings (2)

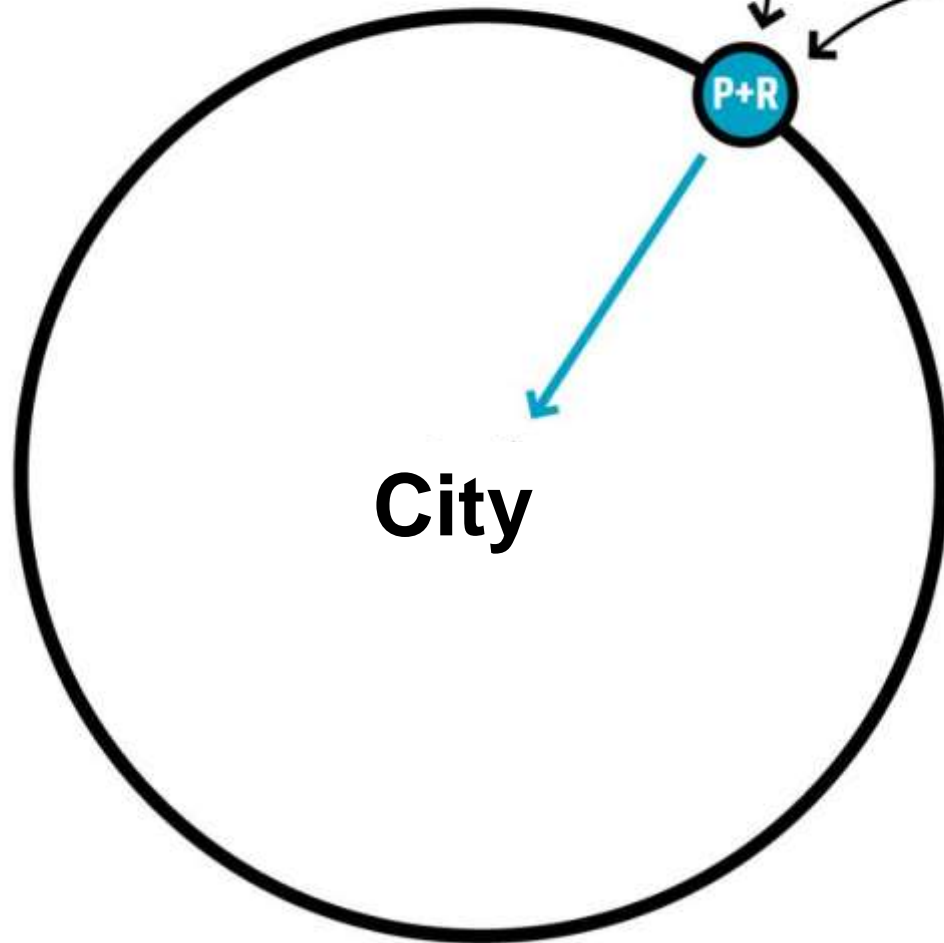
- There are some challenges how to deal with behaviour questions
 - Way finding should be able for any “Chinese”
 - The way back and hospitality
 - What do traffic engineers plan and what are people really doing?
- There is no integrated business case
- The stakeholders involved in “ the time sharing of a parking place” are not involved



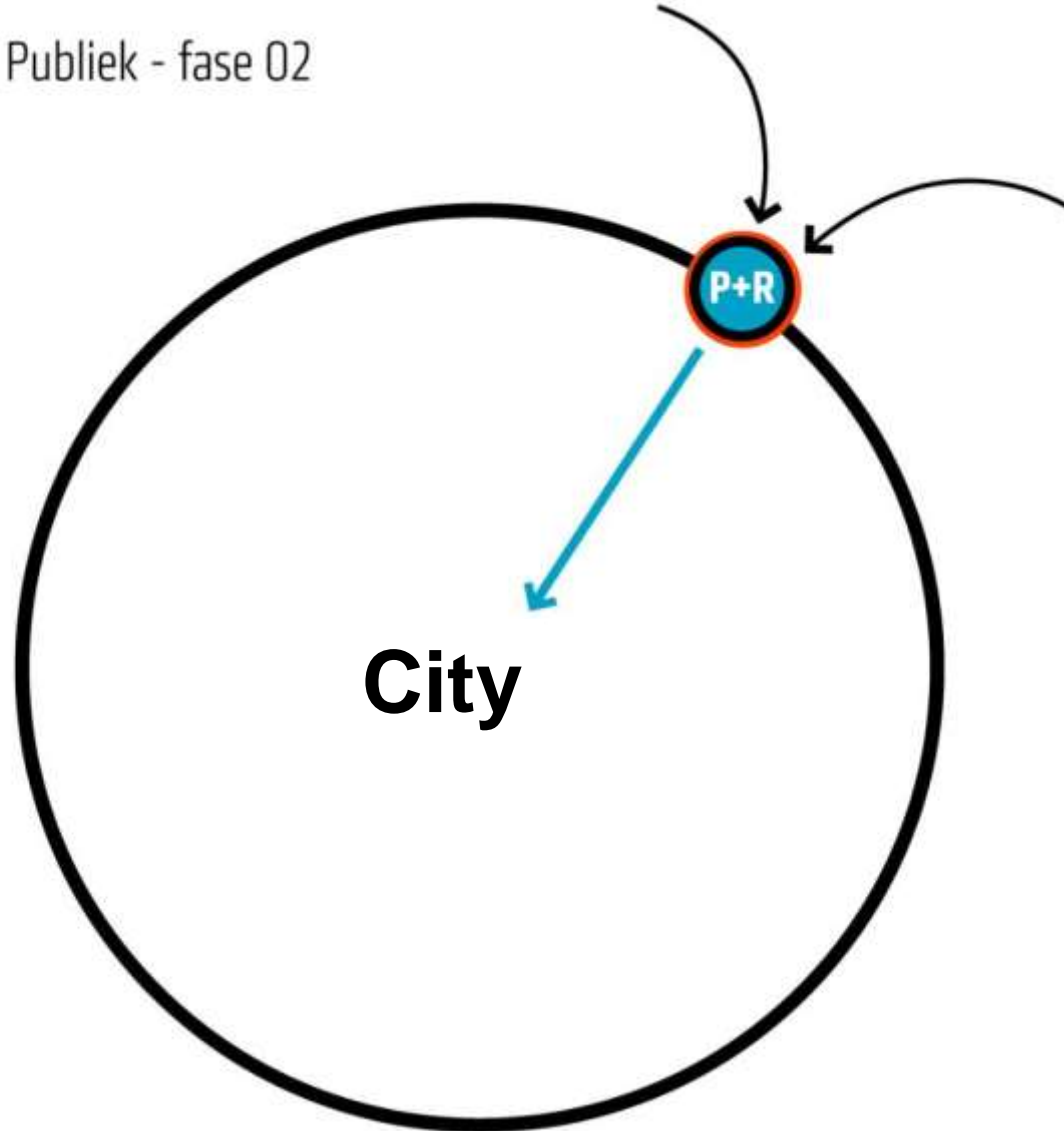
- Combination of functions
- Create value (and income) on the spot
- Effective use by smart combinations in time and space
- Better service concepts



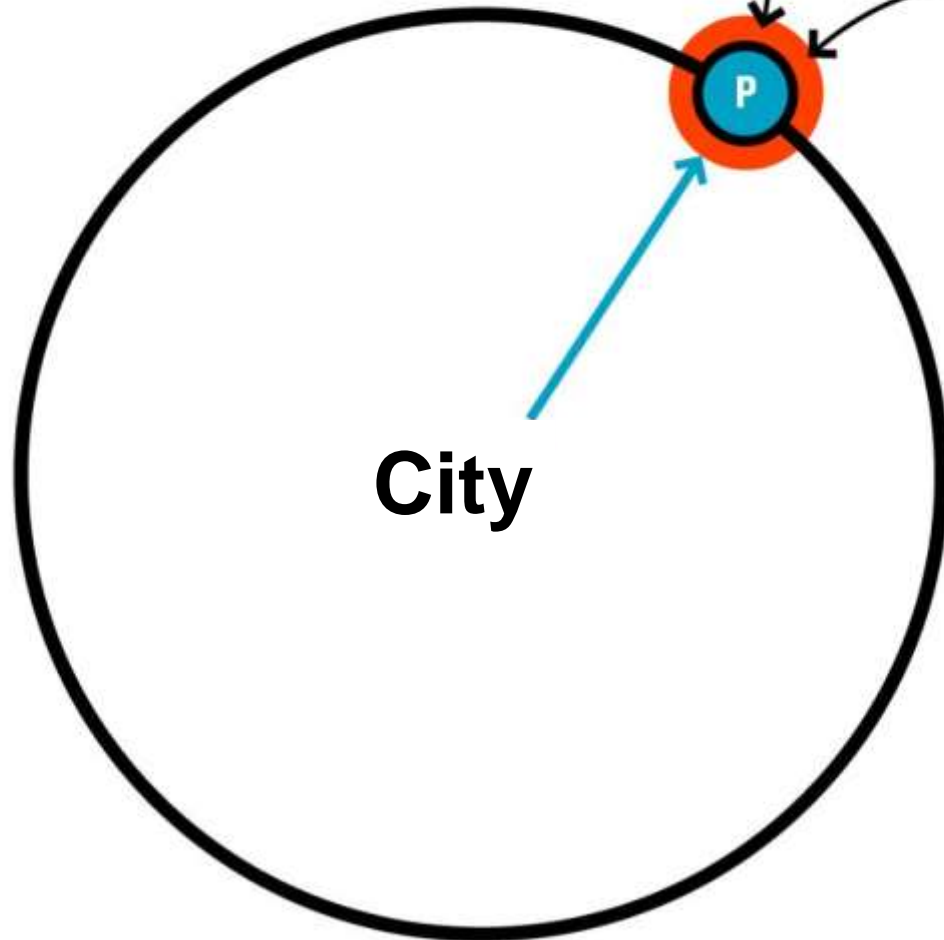
Model Publiek - fase 01



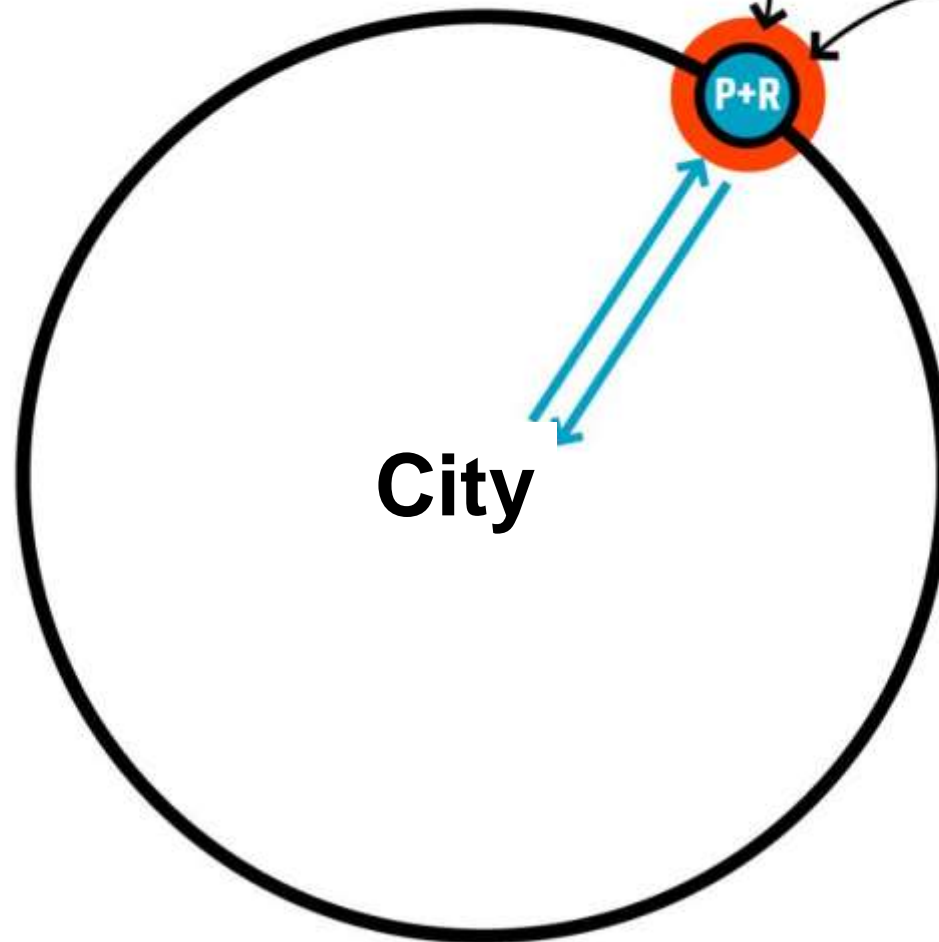
Model Publiek - fase 02



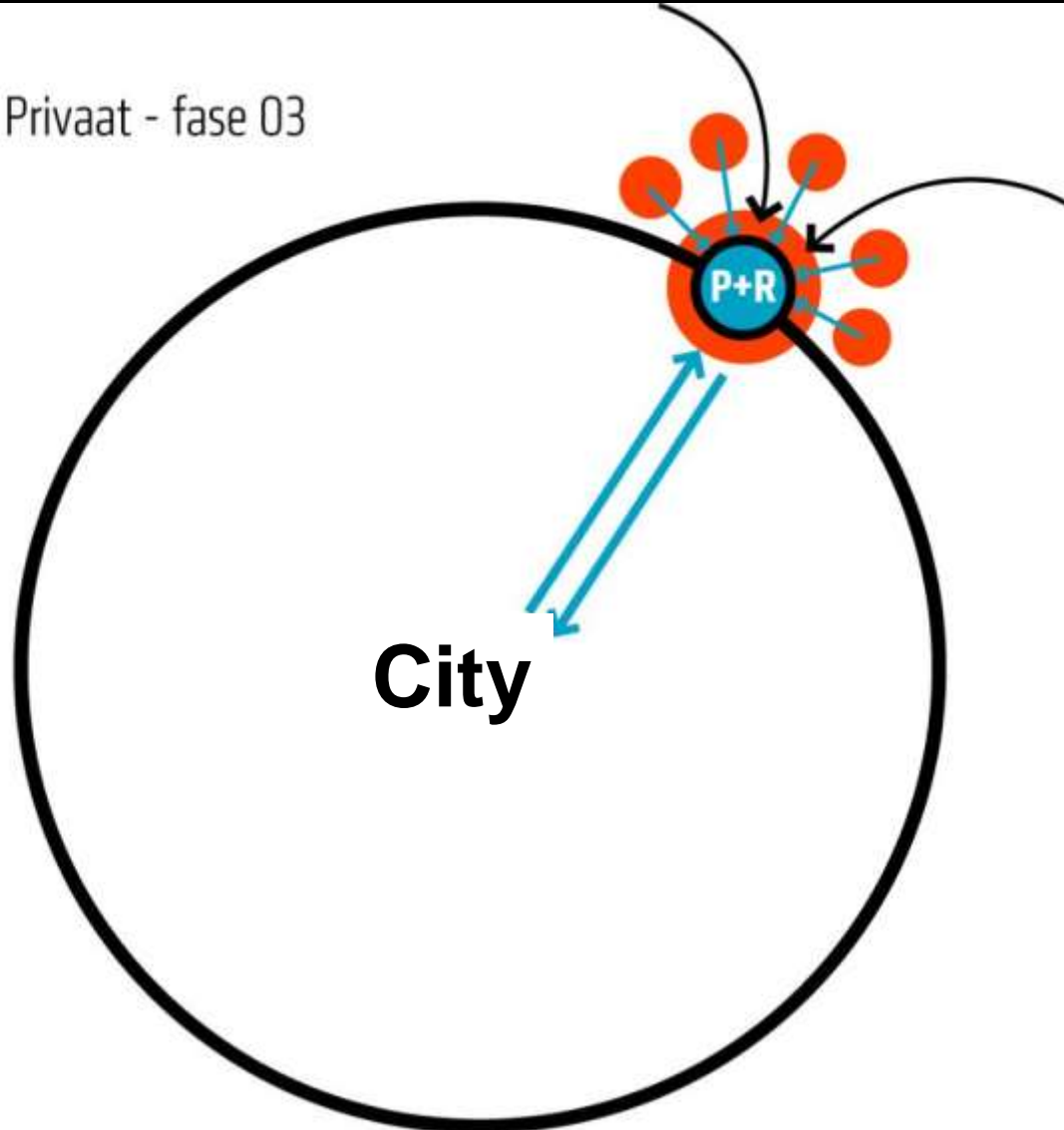
Model Privaat - fase 01



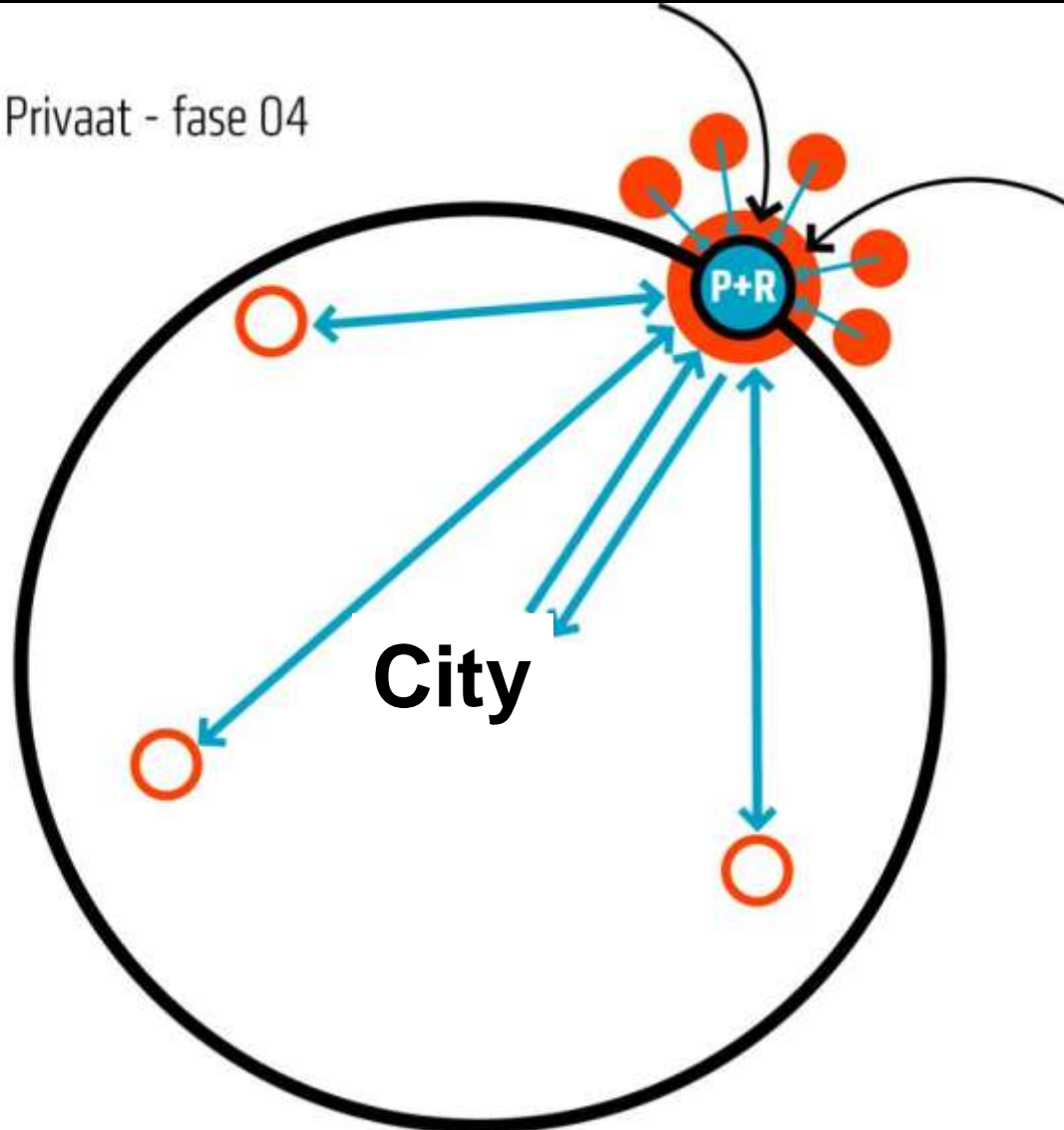
Model Privaat - fase 02

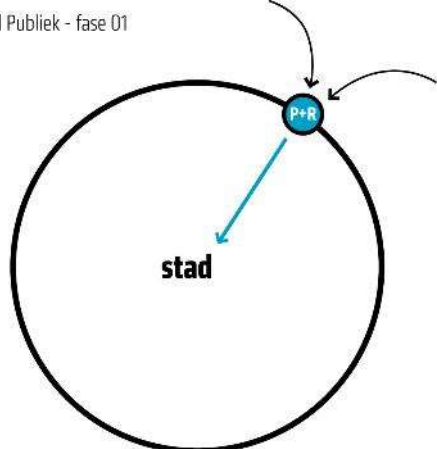


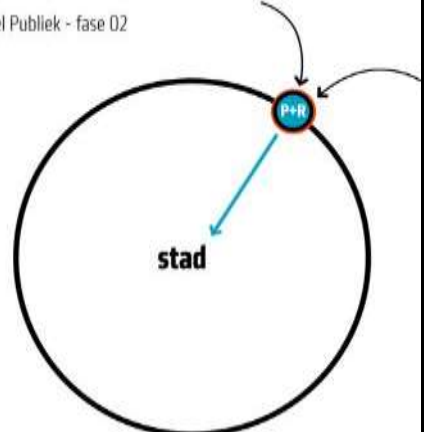
Model Privaat - fase 03



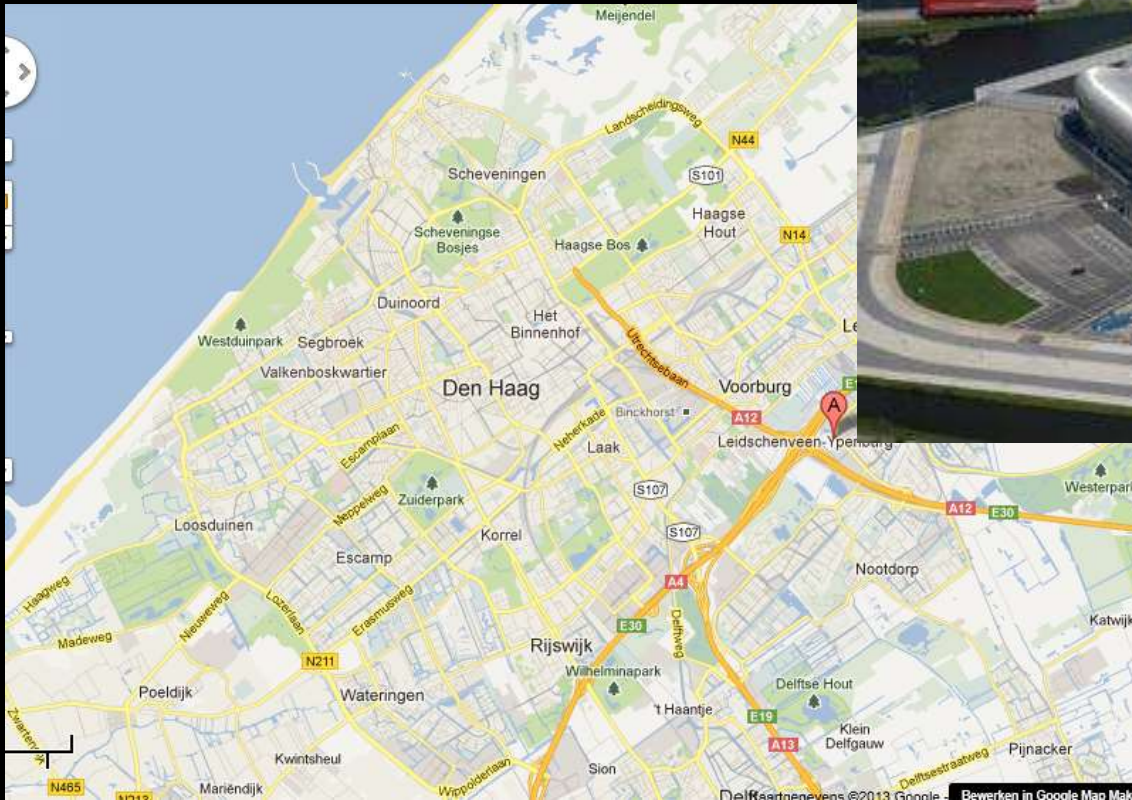
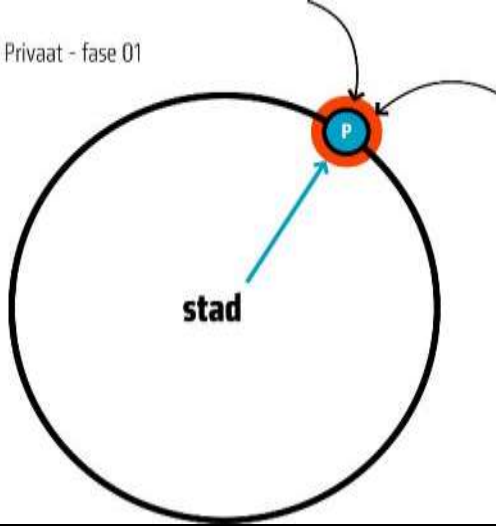
Model Privaat - fase 04







Model Privaat - fase 01



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KANALENEILAND ZUID

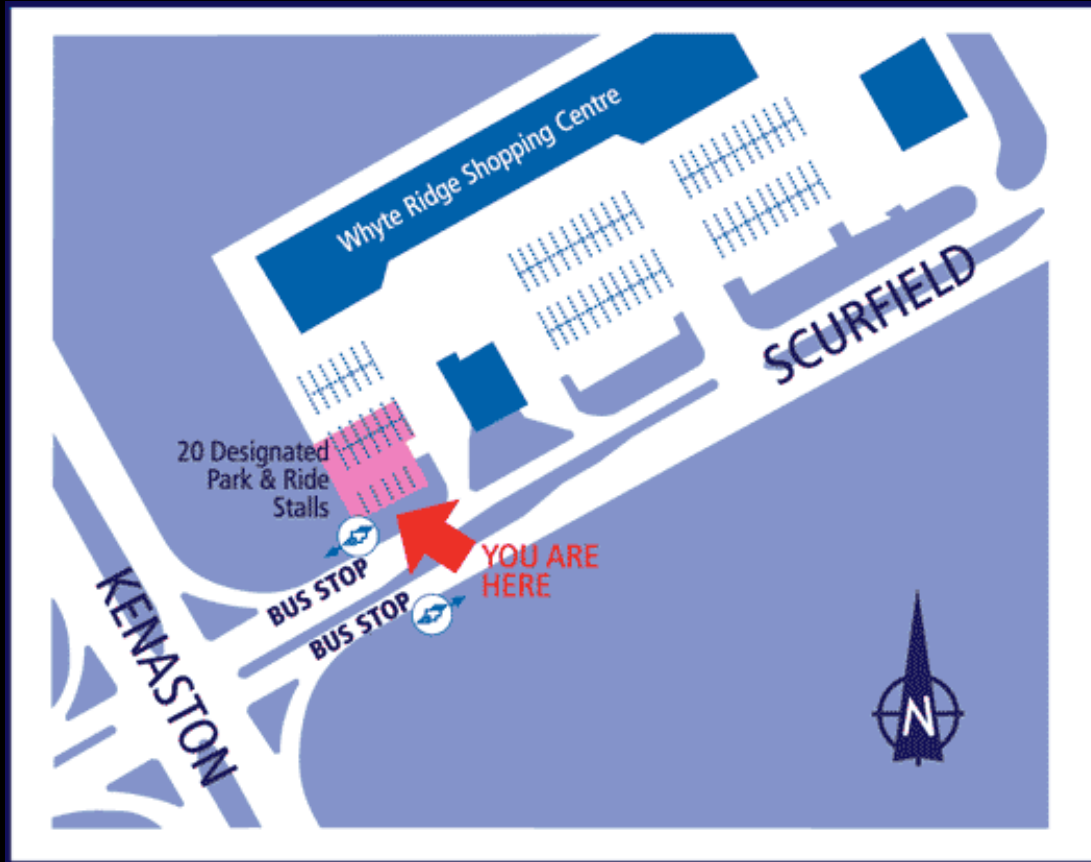


TRANSFERIUM

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Better examples



14 Park and Rides
winnipegtransit.com



Het adres is een benadering

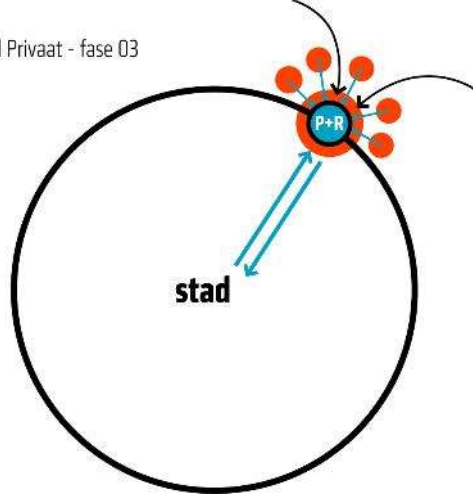


P+R Oostakker



In Oostakker ligt een primaire parking met 200 plaatsen voor auto's en een fietsenstalling. Deze parking kunt u bereiken vanaf de R4, afit 3 Oostakker. Volg daarna de N70 (Antwerpsesteenweg) richting Gent. De P+R bevindt zich ter hoogte van het koopcentrum aan de Oude Bareel (Carrefour).





Keep in mind

- Take care of all stakeholders that are involved in the business case in the management phase (after the P+R is build)
- A P+R is a collection of extended parking spaces from travellers destinations who have to be involved in a timesharing business case (that also take care of pre and post transport)
- Involve and develop a P+R (business case) integrated with it's direct surroundings
- You can start with a growing model on several locations with several functions



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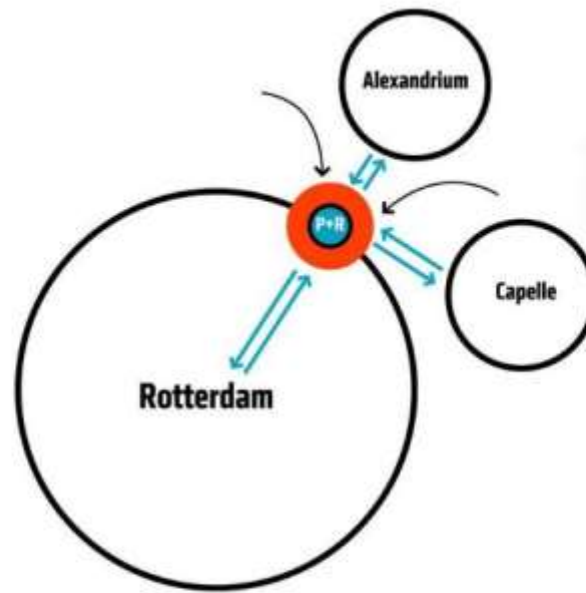


SOME EXAMPLES

ON THE NEXT SHEETS

<http://vimeo.com/82340949>





1. grootstedelijk vrijetijdsprogramma
2. distributie/e-tail
3. schone mobiliteit + showcase

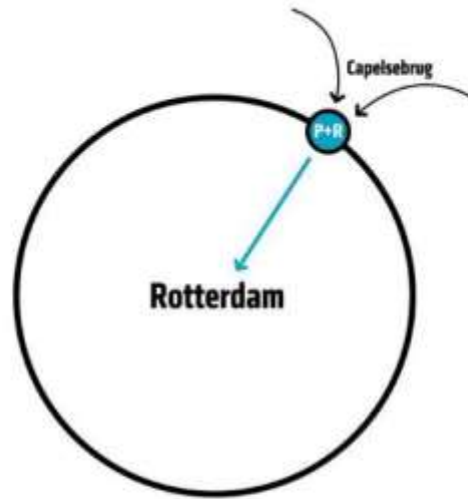


FAMILY ENTERTAINMENT CENTER



CONSUMER EXPERIENCE & INFORMATION CENTER



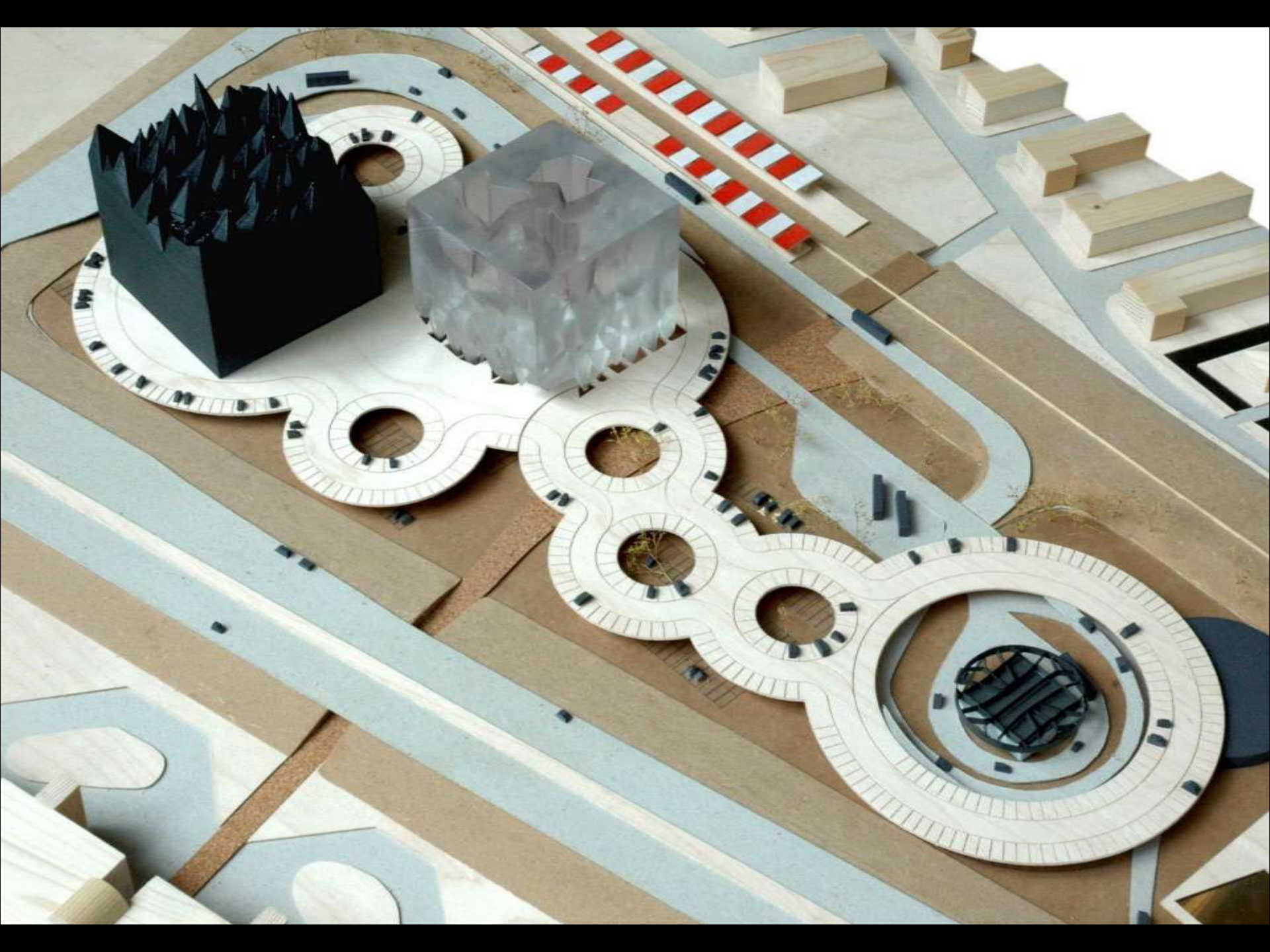


CAPELSEBRUG P+R

De Hotspot van Rotterdam Area







Turmalin Black

&

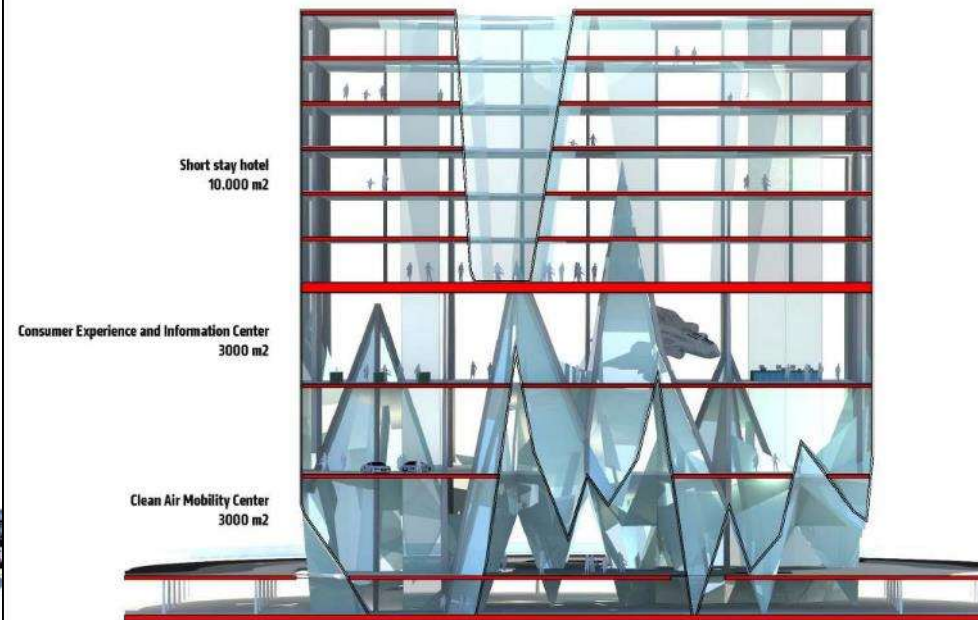
Emerald Glass



Doorsnede Turmalin Black



Doorsnede Emerald Glass





Music Hall



Cinema

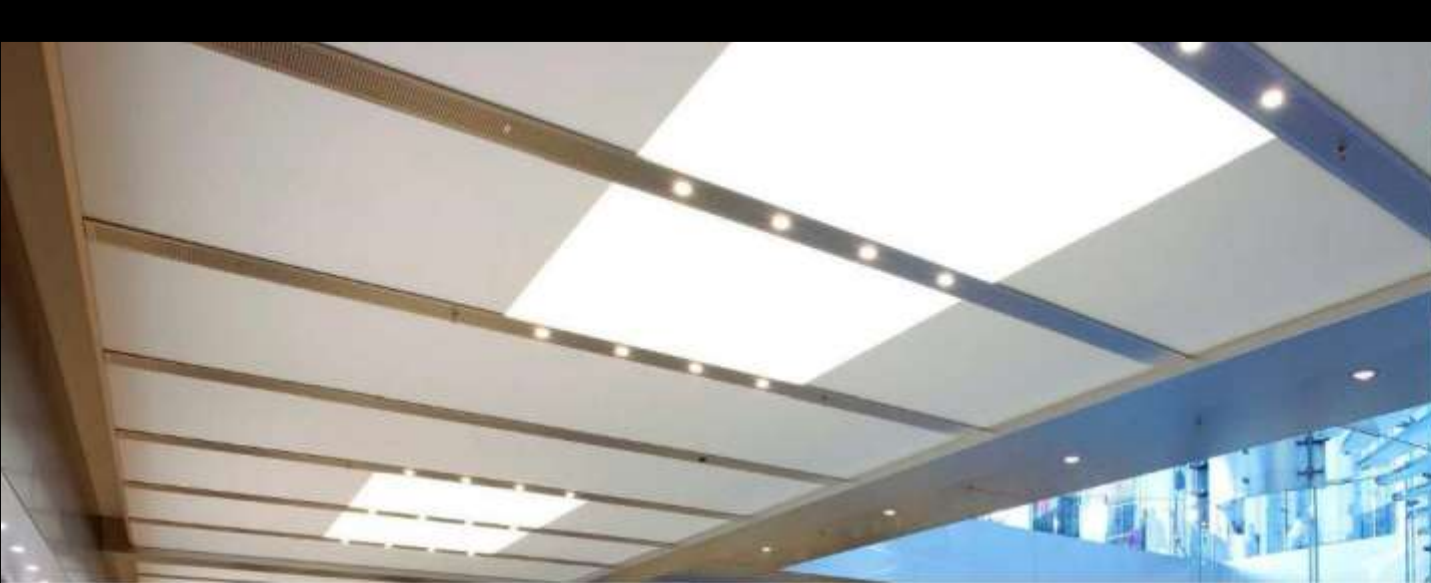
FAMILY ENTERTAINMENT CENTER



Party hall



FOYER / LOBBY



Try & buy



Congresses & education

CONSUMER EXPERIENCE & INFORMATION CENTER



Storefront



Online shopping



Energy production



Hydrogen fuel station

CLEAN AIR MOBILITY CENTER



The Future of Transportation Is Clean

Promotion & information Center



Inductive Car Charging



Advanced Parking Management



Natural surrounding

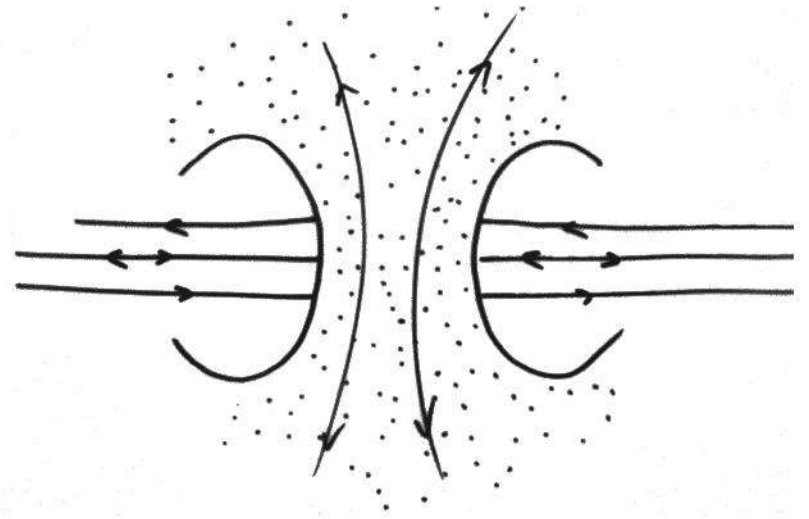
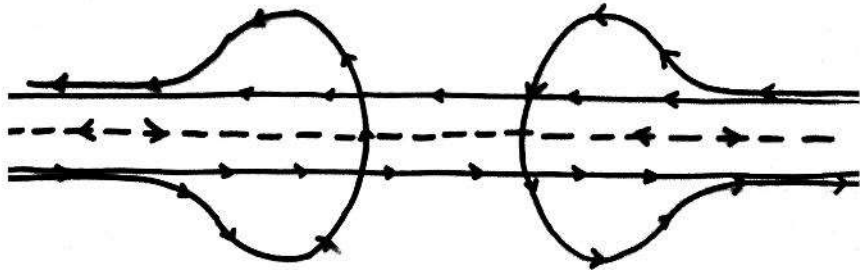
SUSTAINABLE PARK & RIDE SOLUTIONS

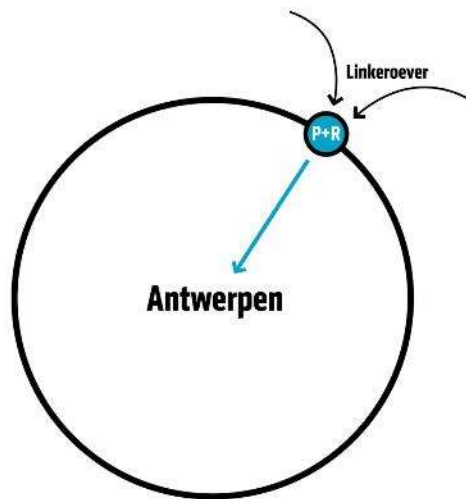


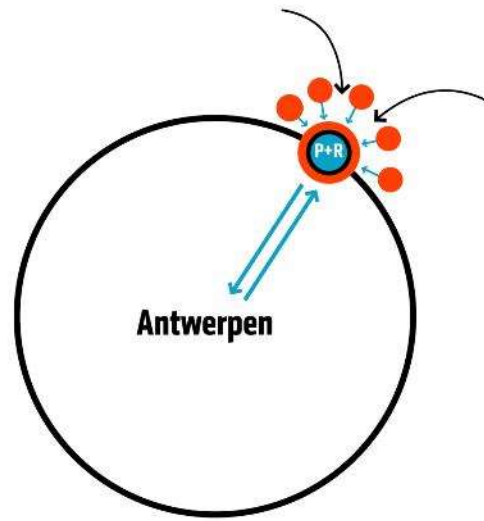
Dynamic guidance



Mobility services

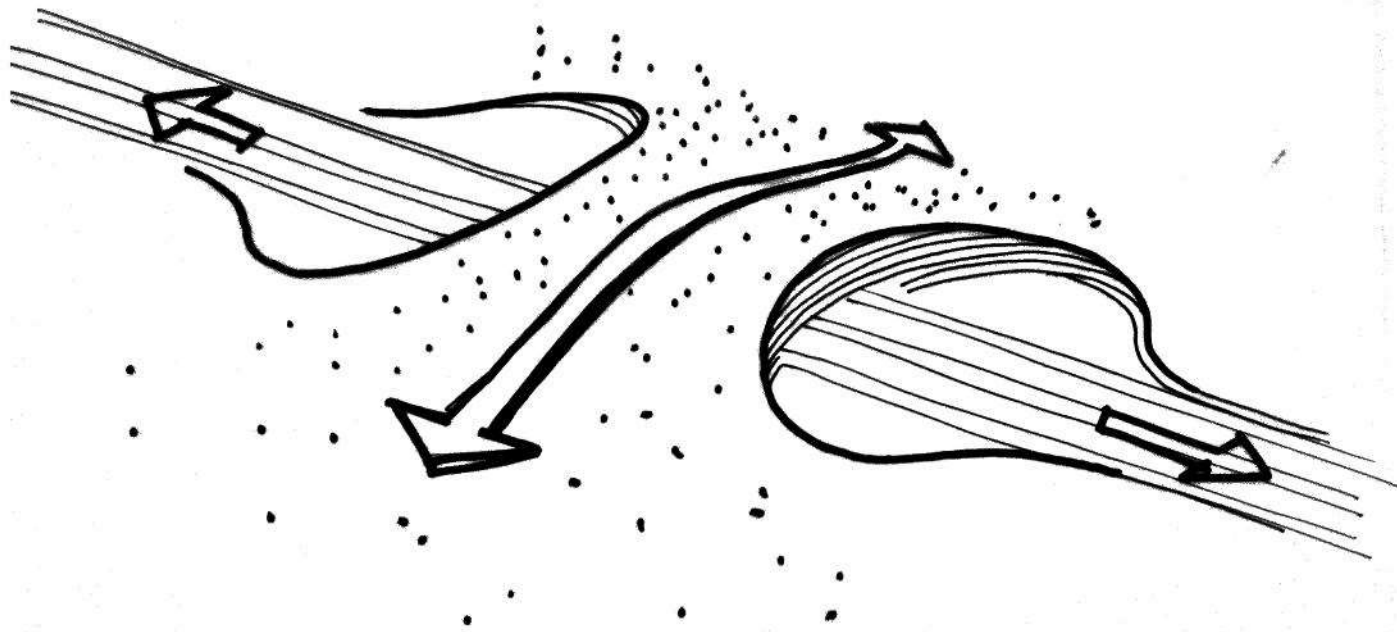




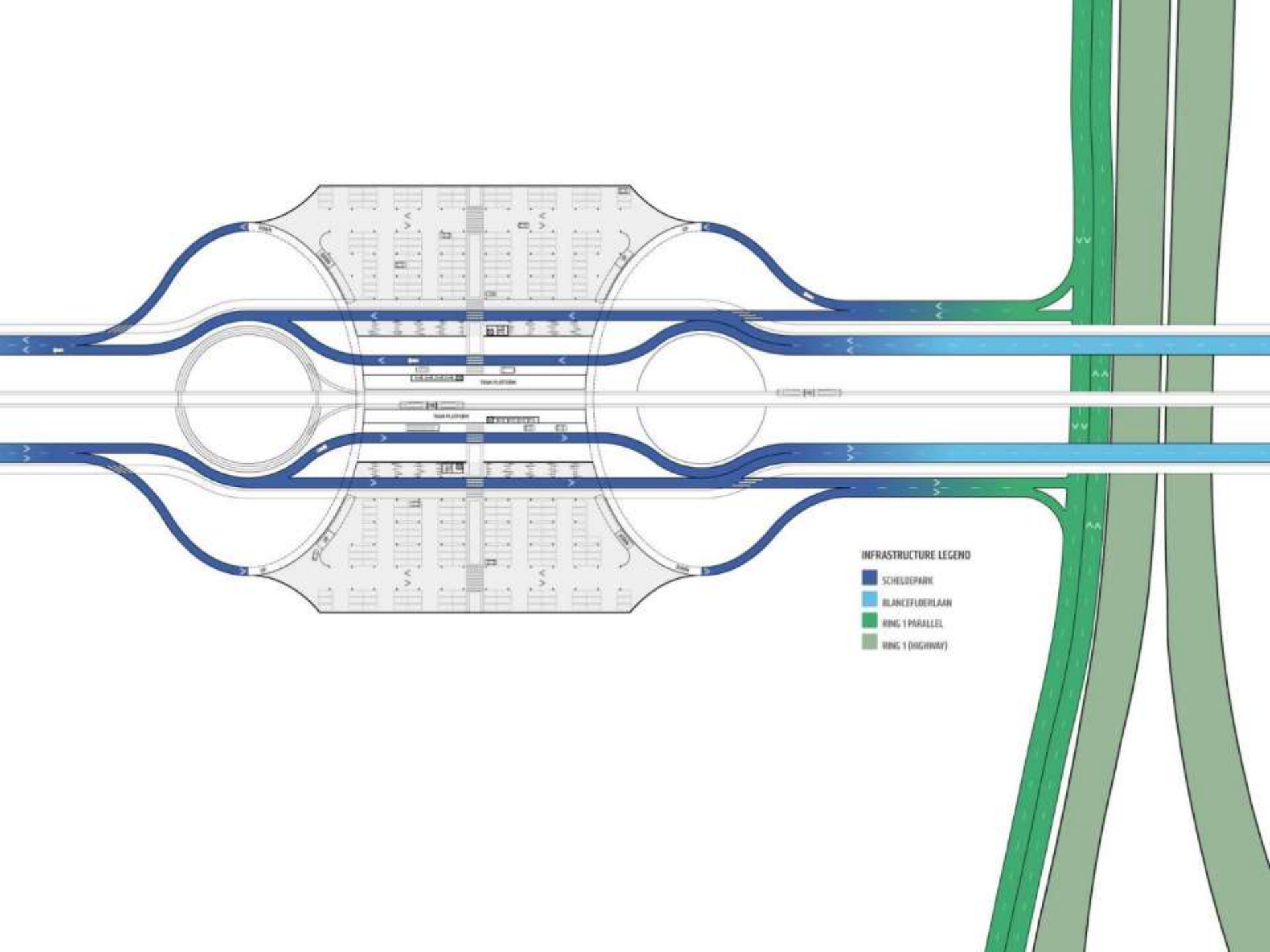


1. sport/recreatie
2. congres/zakencentrum
3. stadspark



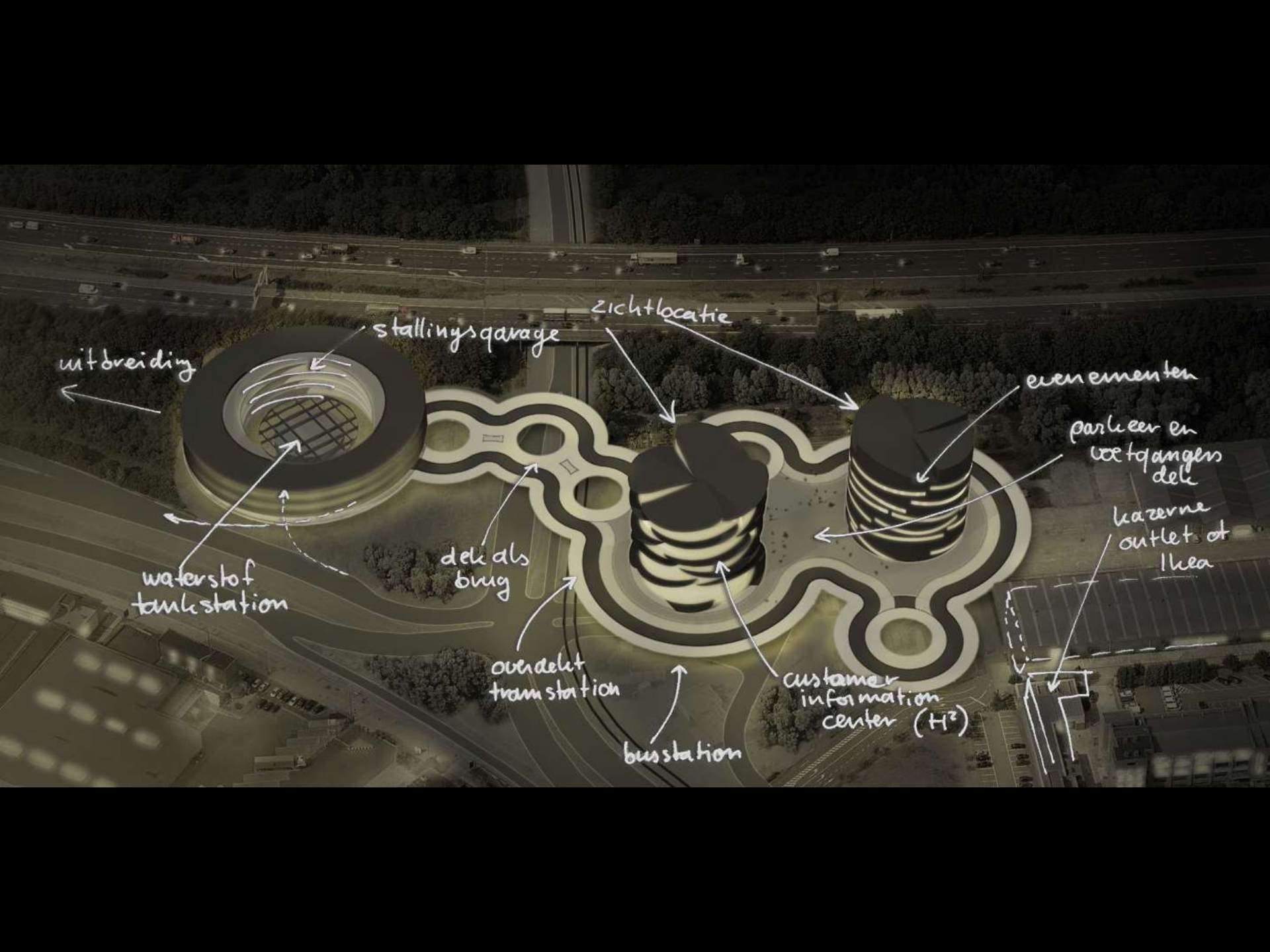






INFRASTRUCTURE LEGEND

- SCHELDEPARK
- BLANEFLOERLAAN
- RING 1 PARALLEL
- RING 1 (HIGHWAY)



uitbreiding

waterstof tankstation

stalling garage

dekk als brug

overdekt tram station

bus station

customer information center (H₂)

zichtlocatie

evenementen

parkeer en oetfangen dekk

kazerne outlet of Ikea