1. Project description
2. Setting the context
3. Scenario growth of passengers
4. Local problems
5. The design of the park
6. Evaluation
**Project description**

**Within the city boundary**
- London City airport

**On the city border**
- Eindhoven airport
- Weeze airport

**In the Landscape**
- Hongkong airport
- Rotterdam Zestienhoven
- Maastrich Aachen airport

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**What are Regional airports?**

Negative - Isolated / only accessible by car
Positive + Small / surrounding areas for development
1. Project description

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3. Grow of the airport

4. Local problems

5. The park that connects

6. Evaluation

Use of the airport

Business airport / short incheck times / European scale
Research Question

The airport as a new urban node toward a strategic (e.g. competitiveness) and sustainable development (e.g. sustainable mobility)?
1. Project description

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Position of the airport in the economic region

In Randstad, between Flemish quarter, Ruhr area
Density urban areas

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Aprox 2.0 million people
The regional landscape

- Project area between regional park - Rotterdam
Offices & Institutes Southwing

Located near Highways in the Centres of the Cities
1. Project description
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Airport connected on the region

Legenda

- PROJECT LOCATION
  - Airport terminal

- Citycentre
- Urban blocks
- New business area
- Office locations
- Distribution areas
- Education area
- Green connections
- Regional park
- Urban green
- The river maas
- River
- City road
- Regional road
- New road connections
- National highway
- Exit traffic node

Airport of Delft?
The accessibility of airport GOOD Connection with the A13 And THE SOUTH OF DELFT BAD CONNECTION TO CITY CENTRE AND REGION
1. Project description
2. Setting the context
3. Scenario growth of passengers
4. Local problems
5. The Design of the park
6. Evaluation
Growth of the airport to 2.0 million passengers.
The boundaries of the existing sound contour of 35 ke will not be affected.

- The area situated around the airport has an height restriction of 45 meter.

- Increase the accessibility of the airport.
Model combined transport

Randstad rail + car
Travel times

Multiple options for transportation
Rotterdam The city axis, its nodes and connections

Connection: City Axis on the regional landscape
The Design area between RED and GREEN space

Connect the project area with innercity and the pheriphery
1. Project description
2. Setting the context
3. Scenario growth of passengers
4. Local problems
5. The Design of the park
6. Evaluation
Project area is located between innercity and the periphery.
Network infrastructure

Only few connections with Zestienhoven and Schiebroek

Legenda
- Main road network
- Road network
- Neighbourhood road
- Recreational road
- Planned highway
- Car connection
- Recreational connection

6. Evaluation
5. The park that connects
4. Local problems
3. Grow of the airport
2. Setting the Context
1. Project description

FUTURE NODE A13 NEW AND PARK AS
FUTURE PLANNED HIGHWAY A13 NEW
Terminal is located on the other side of the public transport network.
Analyse Green & Water

In the project areas is less quality green present. The structure of the polder 16hoven is still present.
No housing program is located within the sound barrier / Housing is present in Schiebroek
Hospital function is present in the area / industrial program spread out in the project area.
Conclusion

New local connections Schiebroek and Zestienhoven / relocate the terminal to the east
1. Project description
2. Setting the context
3. Scenario growth of passengers
4. Local problems
5. The Design of the park
6. Evaluation
The model public transport and conclusions of the local analyses are put into the design.
Reference Olympic plan London 2012

Using: sports / green / public transport to revive an urban part of the city of London
Olympic park connects all Olympic program around it. / Public transport stations located around the park.
Reference Bayern Arena

Analyses of functioning of a stadium as an referential for the design
Reference Bayern Arena

Double use of space, (parking/public space on top) multiple traffic flows.
The design
Layer 1 Traffic network

New local connections to make Schiebroek and Zestienhoven integrated by the park
Layer 2 Water Frame work

Adding: new water structure to give the area more quality
Layer 3 Greencarpet


Green in the project area is a base for the design
Design of the city axis

Implementation of the park as an **Transition lane BETWEEN CITY AND REGION**
The green and water

Mass space plan of the park / water and green
Variety in functions applied to make the park become a dynamic location
6. Evaluation

5. The park that connects

4. Local problems

3. Growth of the airport

2. Setting the context

1. Project description

Park and ride locations in the park are accessible and connected by public transport.
6. Evaluation

5. The park that connects

4. Local problems

3. Grow of the airport

2. Setting the Context

1. Project description

recreational and local traffic flows / Schiebroek and Zestienhoven are connected through the park
6. Evaluation

5. The park that connects

4. Local problems

3. Grow of the airport

2. Setting the Context

1. Project description
Image of new park road

New Image of the G.K. van Hooghendorpweg
View towards the hospital

Image in the park
5. The park that connects

Image of new public space towards Hospital

Image in the park towards the Hospital / possible use of the park
Image of New Stadium

Possible new image of the park with the stadium as a new program
Image of parking in the park

Current situation at the G.K. van Hooghendorpweg
Image of the GK van Hooghendorpweg

Image profile of the road and how the parking is located in the park
5. The park that connects

Image of new public space

Image current situation of the park lake
Image of new public space

Image Park lake towards Business quarter
Image of new public space

Image current situation airport terminal
Image of new public space

New image entrance airport terminal
Image of new park road

Image current situation G.K. van Hooghendorpweg, end of the runway
Image of new park road

Image towards new city entrance
1. Project description
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Evaluation Space Syntax

Outcome of the design implementation accessibility of the park / Stadium / Terminal is HIGH
Evaluation comparing the accessibility of the airport

Current situation terminal on the west end of Zestienhoven

New situation terminal on the East end of Zestienhoven

Evaluation comparing the accessibility of the airport
Evaluation city scale

Using the park as an stepping stone between the city and the regional landscape
Evaluation regional scale

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The stadium line
New identities of the regional line
The airport surroundings: sustainable and competitive