

New Boulevard Scheveningen



Hoogheemraadschap van
Delfland



Flood protection and
Spatial Quality

New Boulevard Scheveningen



Gemeente Den Haag

The Weak Link Program



Hoogheemraadschap van
Delfland







The old situation



Hoogheemraadschap van
Delfland



Higher spatial quality

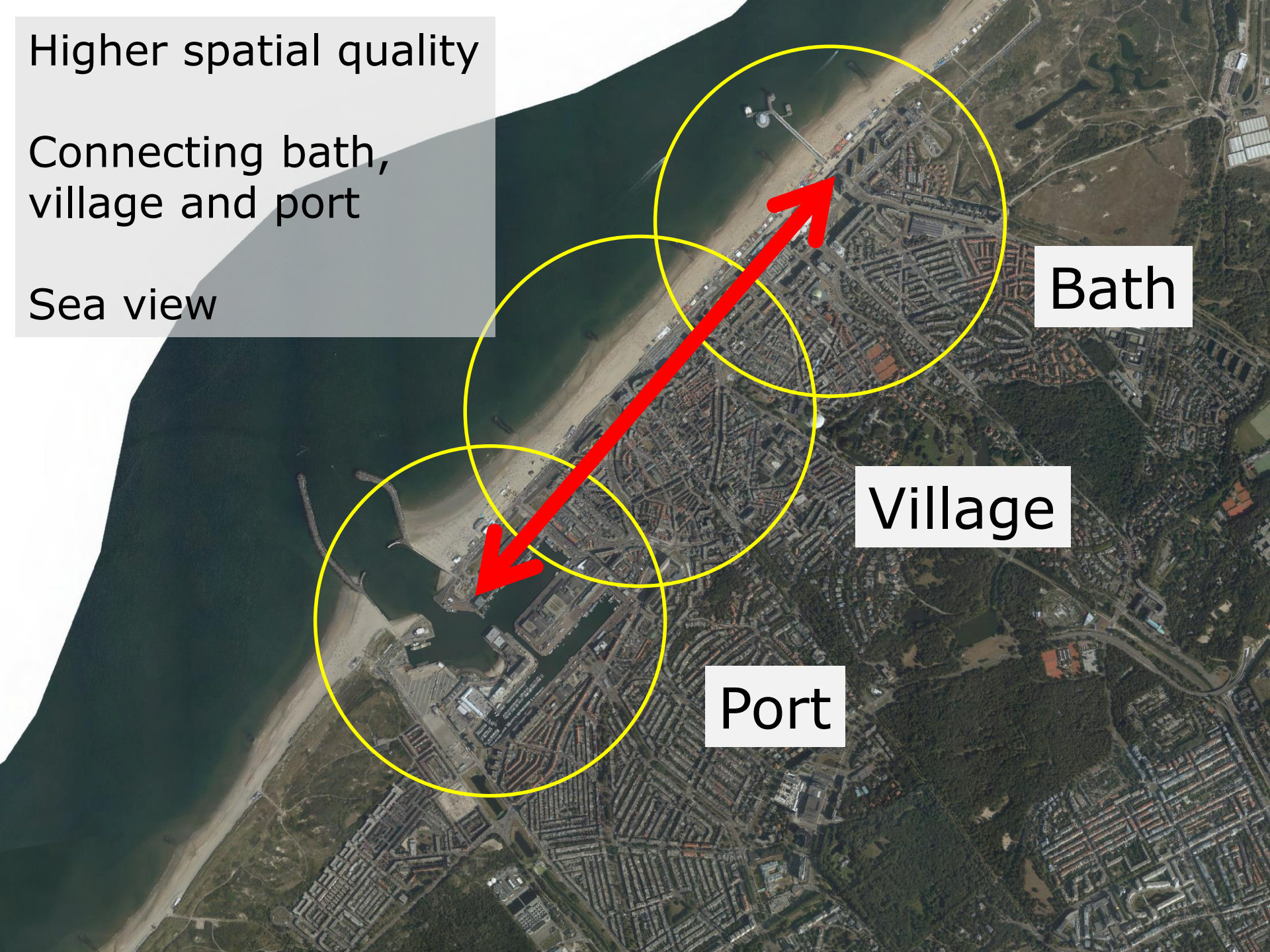
Connecting bath,
village and port

Sea view

Bath

Village

Port



New Boulevard Scheveningen



Hoogheemraadschap van
Delfland



Flood protection and
Spatial Quality

New Boulevard Scheveningen

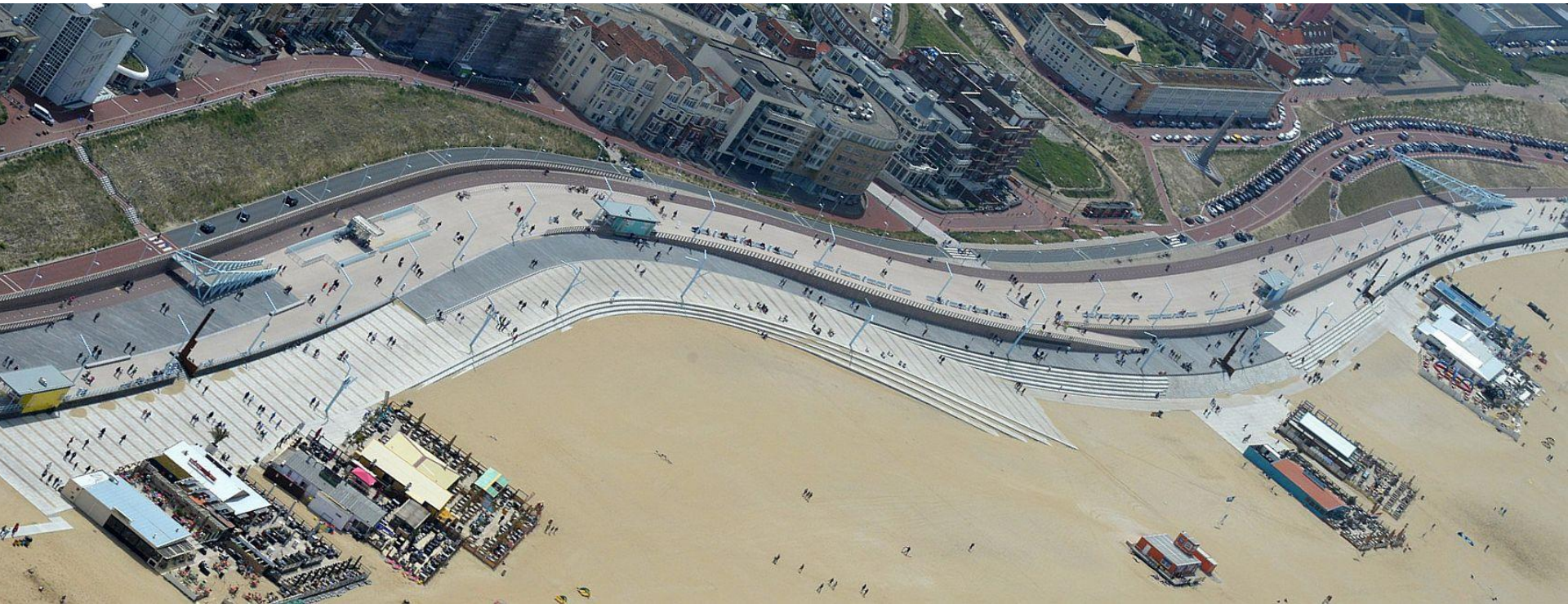


Gemeente Den Haag

Architect: Manuel de Sola-Morales



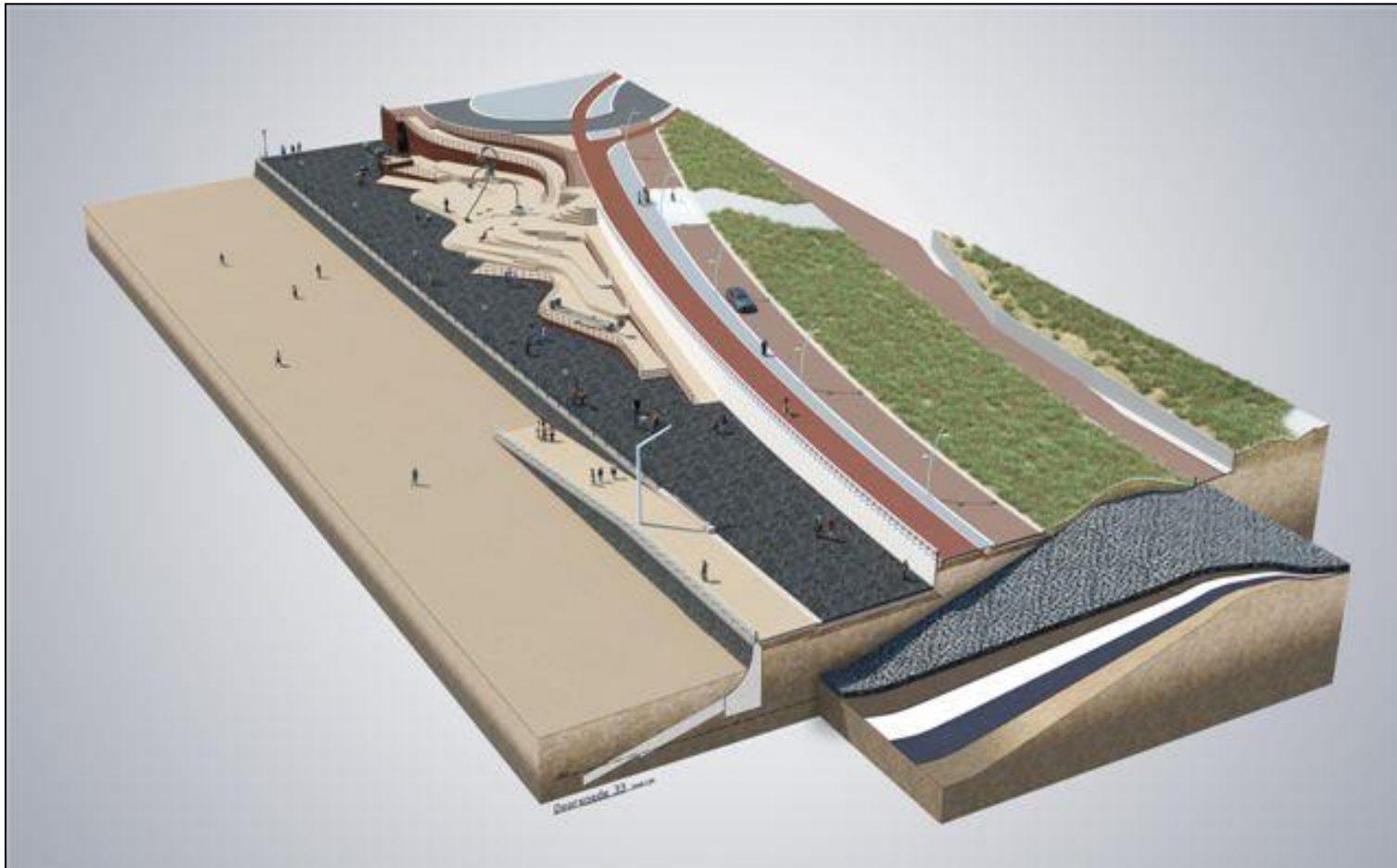
Hoogheemraadschap van
Delfland

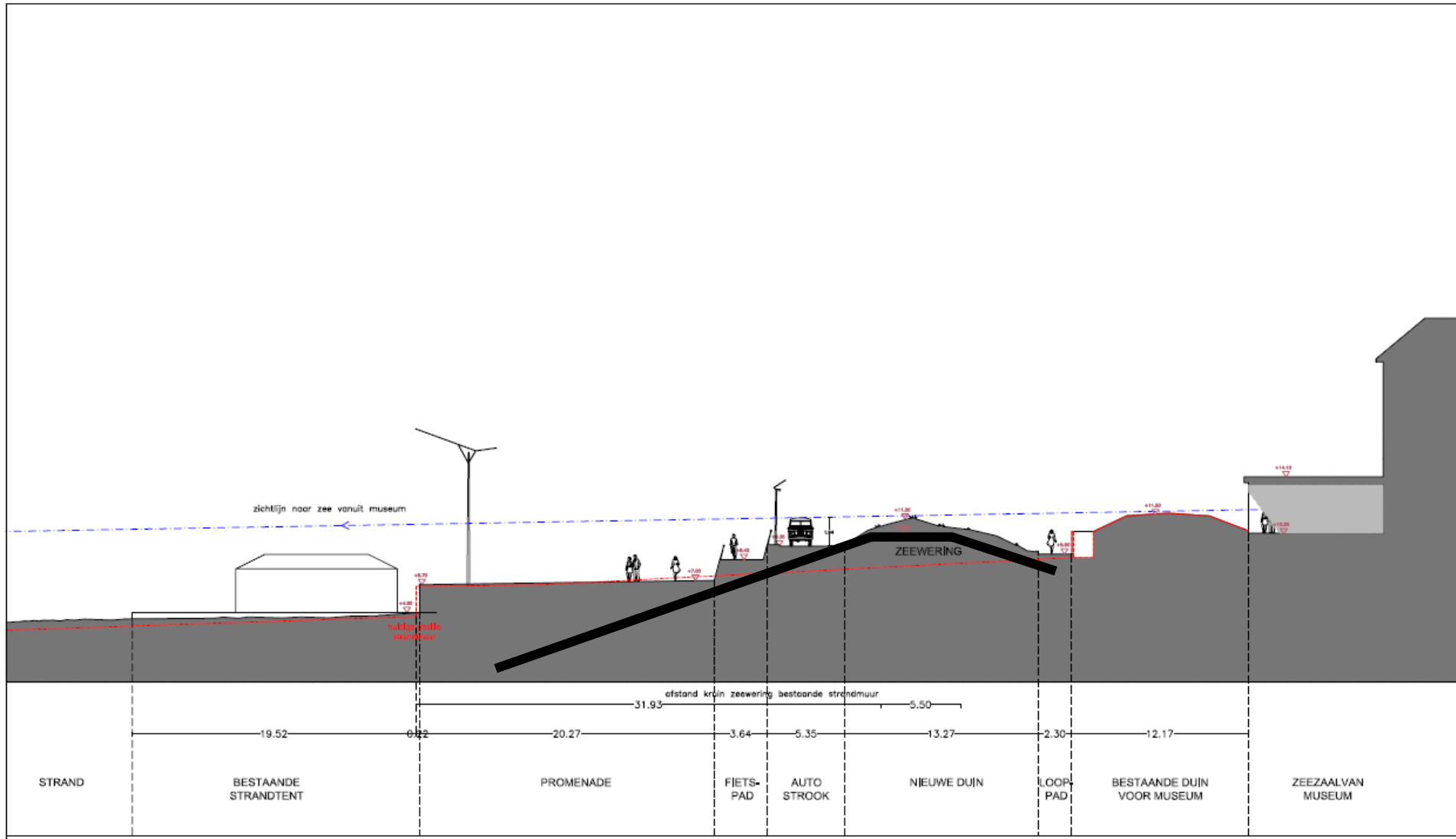


Cross section Dike in Boulevard



Hoogheemraadschap van
Delfland





Design flood defence

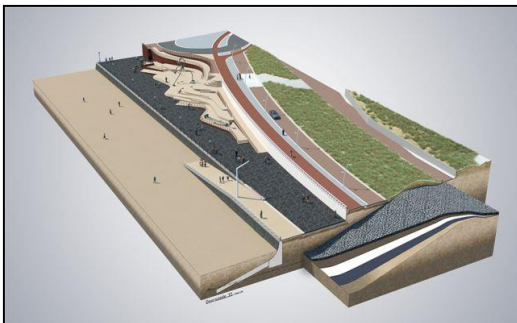


Hoogheemraadschap van
Delfland

- **Waterlevel:** 6,0 m AMSL
- **Wave height:** 1,5 m
- **Length:** 1,0 km

Part of flood defence 14-5

- **Length:** 5,2 km
- **Chance of failure:** <1:10.000 per year
- **Individual risk behind flood-defence:** < 1:100.000 per year



2,4 million m3 extra sand



Hoogheemraadschap van
Delfland



Construction of the dike



Hoogheemraadschap van
Delfland



Construction of the Boulevard



Hoogheemraadschap van
Delfland





Hoogheemraadschap van

C+D

B

A

C+D
voorjaar 2012 - voorjaar 2013

Deel B
voorjaar 2011 - voorjaar 2012

Deel A
voorjaar 2010 - voorjaar 2011

Haven

Vuurtoren

Museum
Beelden aan zee

Kurhaus

Pier

Accessible during construction



Hoogheemraadschap van
Delfland



Information center: 200.000 visitors



Hoogheemraadschap van
Delfland



Activities during construction



Hoogheemraadschap van
Delfland



Financing the project



Hoogheemraadschap van
Delfland

National government
'Rijkswaterstaat'

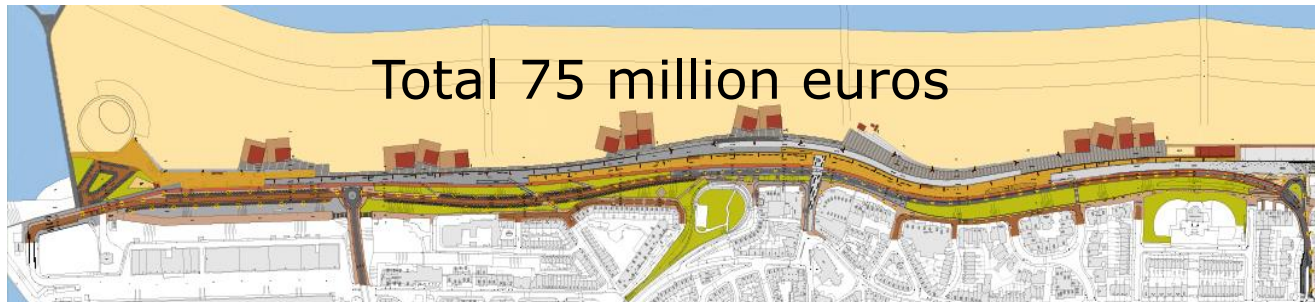
Dike: 50 million euros
Grants: 13 million euros

Province

Delfland

The Hague
12 million euros

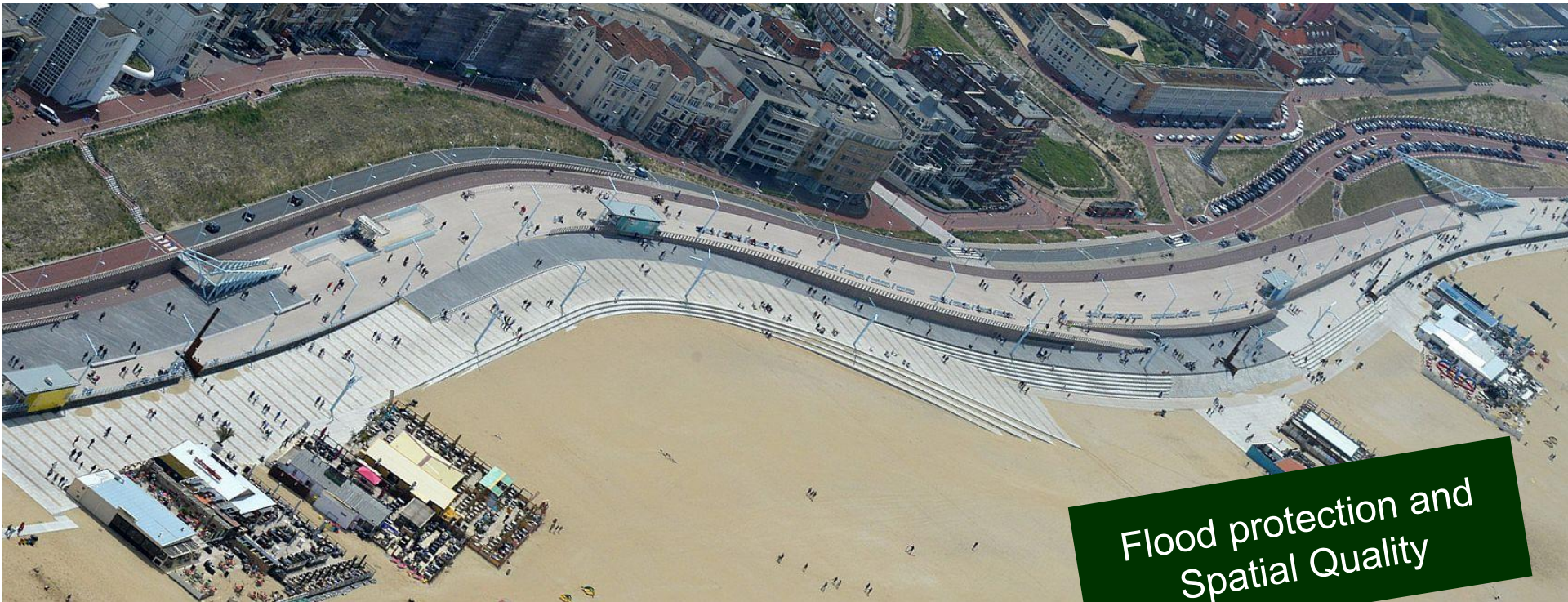
Total 75 million euros



New Boulevard Scheveningen



Hoogheemraadschap van
Delfland



Flood protection and
Spatial Quality

Thank you for your attention

Public Public Cooperation



Overall project management
Design Flood protection



Gemeente Den Haag

Design of the new boulevard
Finance of the new boulevard
Stakeholder management



Communication
Coordinated procedures and permits



Finance of the flood protection
Advice on water safety and beach nourishment

Public Public Cooperation



Hoogheemraadschap van
Delfland



Gemeente Den Haag

General project management
Contracting the project
Realisation of the project
Stakeholder management



Final design and realisation of
The flood defence



Hoogheemraadschap van
Delfland