

NEXTSTATION

MARRAKECH 2015

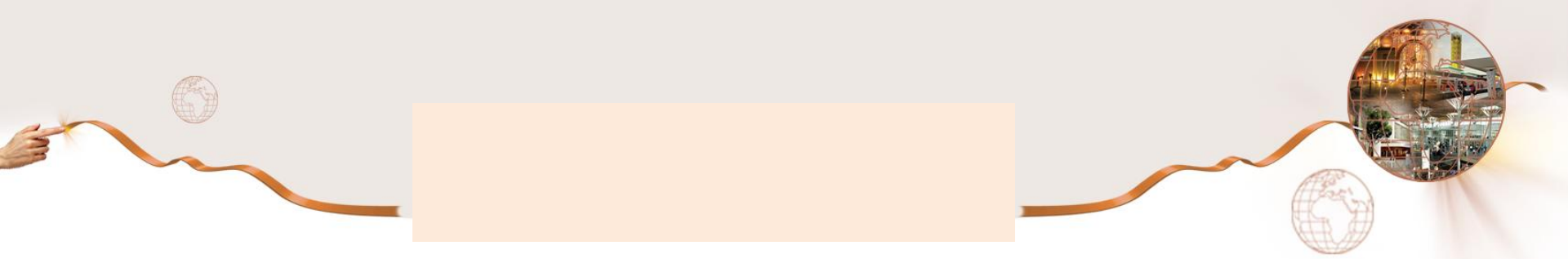


5TH INTERNATIONAL CONFERENCE ON RAILWAY STATIONS



Palmeraie Palace

Marrakech, 21-22 october 2015



A lesson learnt from North European project processes

- Manuela Triggianese
- Architect and PhD researcher, TU Delft, The Netherlands
- 4-B Design 2



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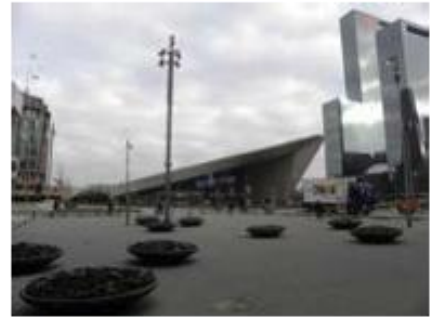
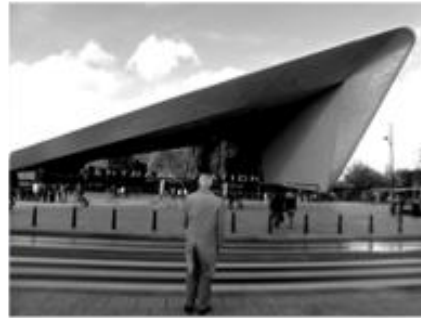
❑ Part 3 Station Project

- Ambition development

Rotterdam Central Station, 2013 © Skeyes



1. Rotterdam CS



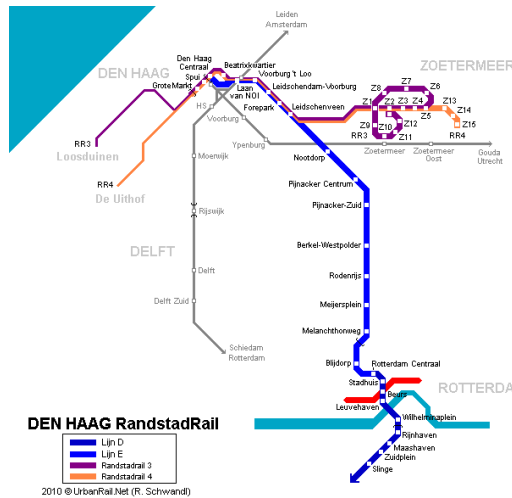


Facts and Figure

ROTTERDAM CENTRAAL

- Location: Province Zuid Holland, the Netherlands
- State of progress: ongoing (High Speed station 2003-2014 completed; District planning phase 1998-2025)
- Financing: Dutch government
- Stakeholders: NS, Prorail, The Dutch government through, the Ministry of Transport, The city of Rotterdam
- Programme of the public transport terminal: integral station roof, concourse and travellers' tunnel, platform fit-out, commercial spaces, offices, restaurants, cafés and facilities for travellers
- Architects of the Station: TEAM CS a cooperation between Benthem Crouwel Architects, MVSA Meyer en Van Schooten Architecten, and West 8

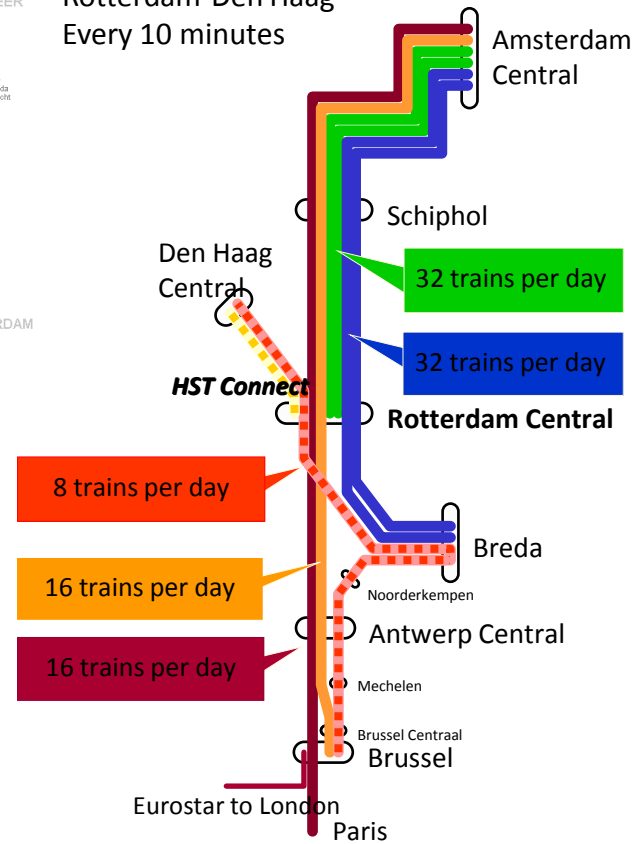
Ca 46,0000 mq GFA



DEN HAAG RandstadRail
 Lijn D
 Lijn E
 Randstadrail 3
 Randstadrail 4
 2010 © UrbanRail Net (R. Schwandl)

| Destination | Travelling time |
|------------------|-----------------|
| Amsterdam | 0.35 hrs |
| Antwerp | 0.32 hrs |
| Brussels | 1.10 hrs |
| Frankfurt | 4.15 hrs |
| Köln | 3.07 hrs |
| Paris | 2.30 hrs |
| London | 3.09 hrs |
| Schiphol airport | 0.19 hrs |

RandstadRail
 Rotterdam-Den Haag
 Every 10 minutes



© Municipality of Rotterdam



Station Building



Rotterdam Central Station by S. van Ravesteijn, 1956



Rotterdam Central after the WW II, 1946



Rotterdam Central Station by Team CS, 2014 © MTriggianese

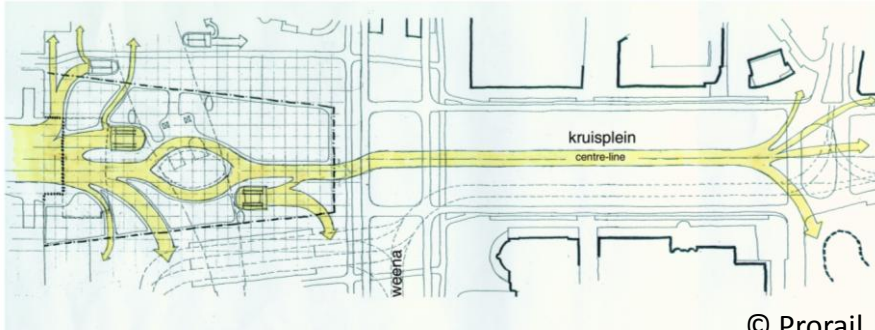
Ms. Triggianese – TU Delft – (Before) Station Design



Rotterdam Central Station – design proposal, 2001 © Alsop

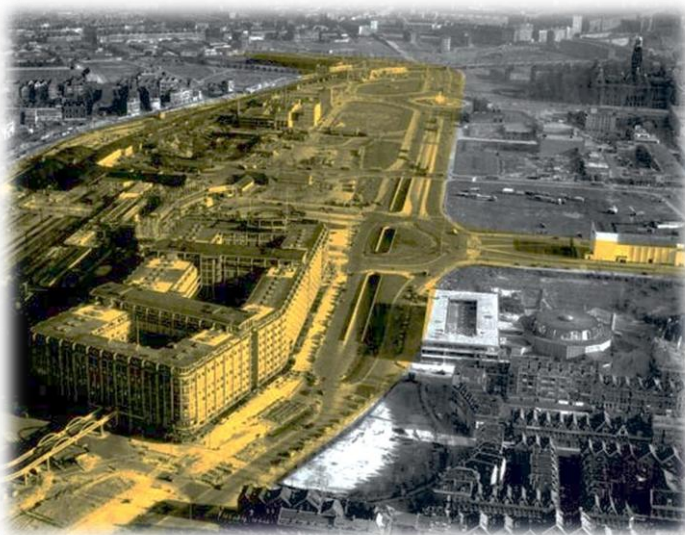


Station & City

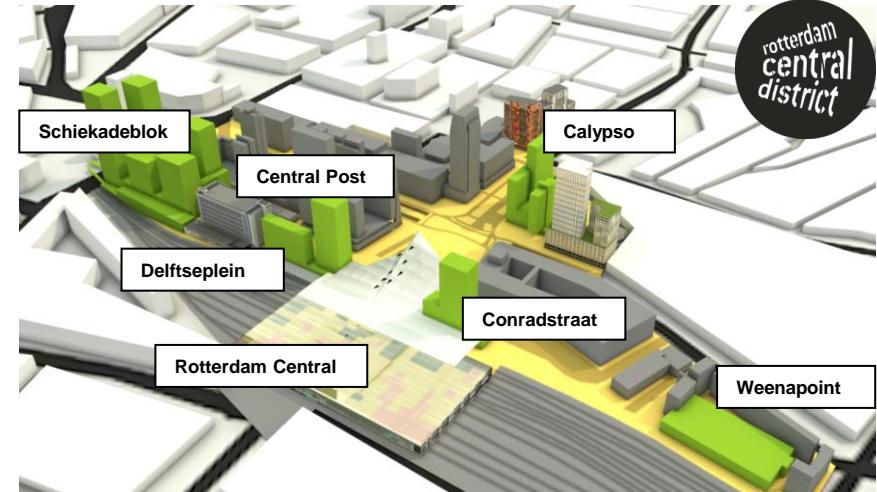


© Prorail

the address on the Weena and the city centre-line
“bringing people to the centre”



Ms. Triggianese – TU Delft – (Before) Station Design



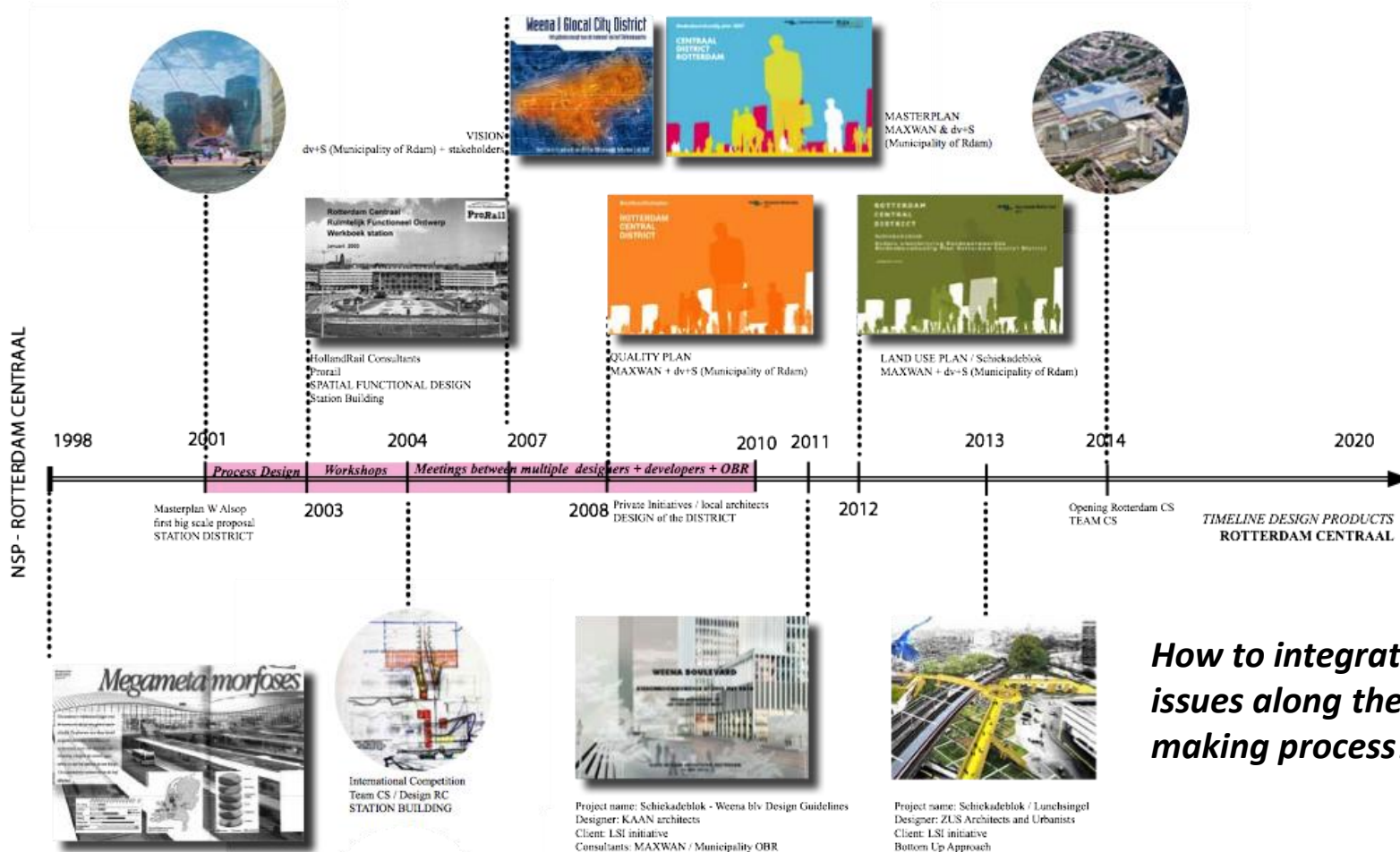
Reference: <http://rotterdam-centraldistrict.dpi.nl>

- Programme for Rotterdam Central District: Station Building & Transport, Public space, offices, hotel, parking, residential, casino, commercial functions, hospitality, theatre, congress, lobbies
- Gross floor area: 600,000 m² in 1998 reduced to 400,000 m² in 2002
- Timeline :
Central Post 2009
HSL operational + RandstadRail + Weena tunnel: 2010
Station + Garage Kruisplein: 2013
Private Initiatives (Conradstraat, Delftseplein, Weenapoint, Schiekadeblok) 2007-2025

© Municipality of Rotterdam



2. Timeline



How to integrate spatial issues along the decision making process?

'Rotterdam Centraal' Design Development, 2014 © MTriggianese

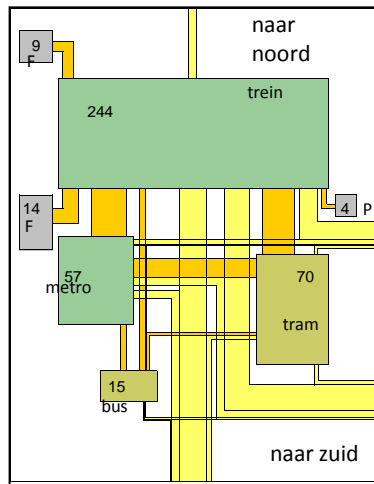


Inter-modality

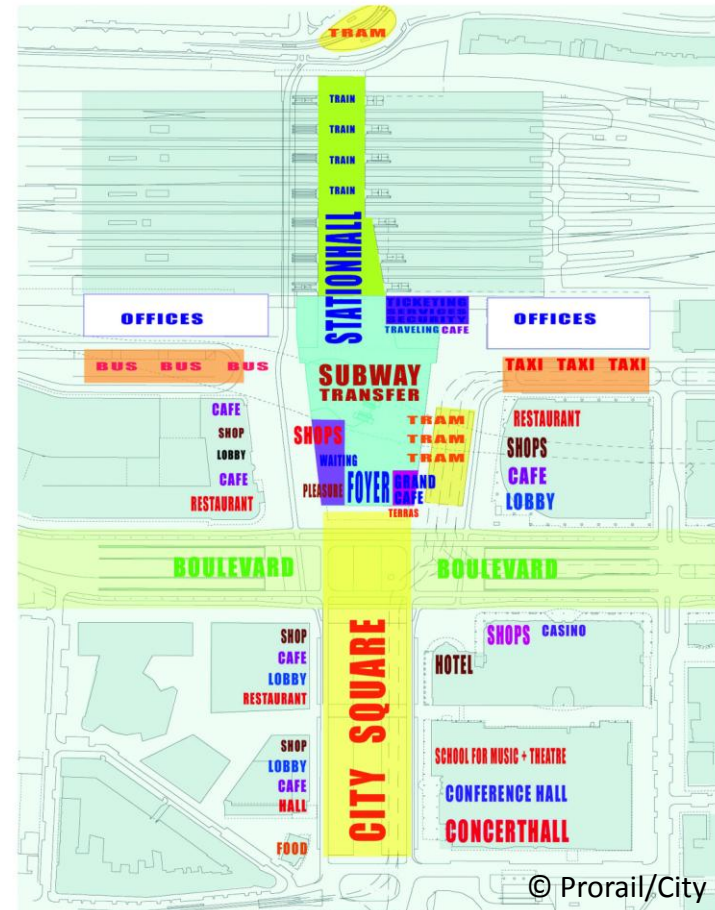
From big scale ambitions (2001) to the Spatial Functional Design (2003)

Exploring, developing, budgeting, possible scenarios

- MODAL SPLIT: Subway, Tram, bicycle, bus, cars
- Transfers: platforms, stairs and lifts, passage (s), hall
- Travellers facilities, connections
- Additional facilities (commerce and services)
- New urban integration and image: 4 scenarios / budgets including options based on station level, city level, transportation planning and urban design




Holland Railconsult
© Movares/Atelier Quadrat





Spatial Integration

From the Concept to the Project (2004)

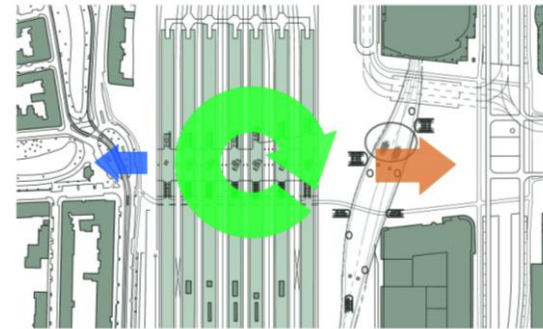
- Make the station part of the urban fabric
- Heritage - Van Ravesteijn station
- Facilitate pedestrian flows
- Accommodate new travellers and visitors
- Place 'to be' and not a place 'to pass through'

Reference: <http://benthemcrouwel.com>;
<http://www.west8.nl>; <http://www.mvsa-architects.com>



Rotterdam Centraal, 2004 © TeamCS

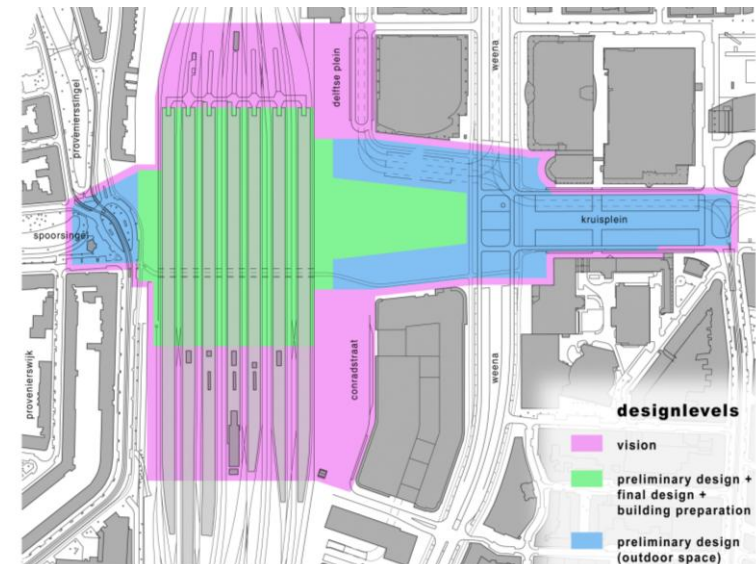
transfer in 2025 (travellers/day)



Number of
travellers/day:
2013: 110,000
2025: 323,000

north 11.000 t/d station 210.000 t/d south 102.000 t/d

© Holland RailConsult/Prorail



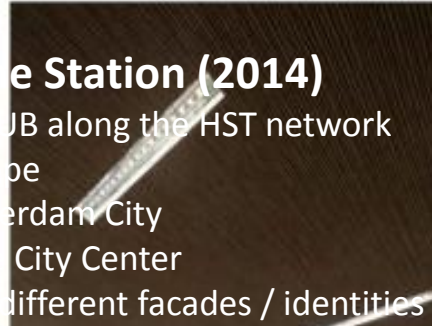
Design Levels for Rotterdam CS Vision, 2003 © Prorail/City



3. Station Project

From the Project to the Station (2014)

- An INTERNATIONAL HUB along the HST network
- A GATE for North Europe
- A new IMAGE for Rotterdam City
- A new SQUARE for the City Center
- North and South Two different facades / identities





Ambition *development*

From the Station to the District (2007- ...)

Attractive and Liveable City center
(initiative of the Municipality of Rotterdam together with local and global investors)

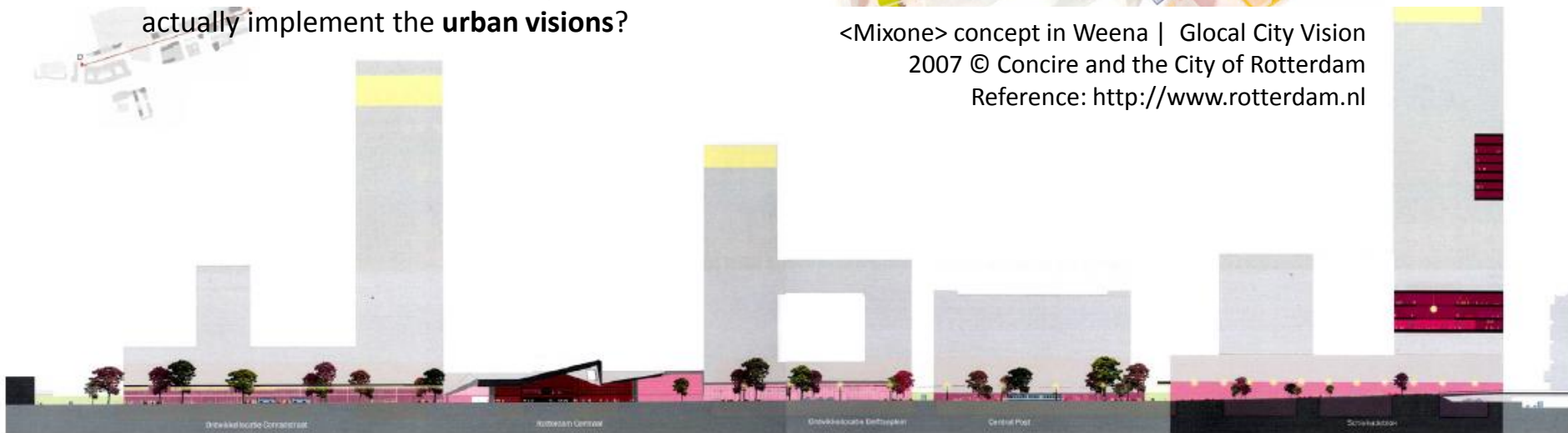
The **DESIGN** of the station and its district makes fully use of potential imaginary

These projects are based on high degree and multiple ambitions, How to integrate the means to actually implement the **urban visions**?

- meet and greet
- wereld handelsstad
- pilot
- showcase
- world trade house
- homepage
- designed in rotterdam
- brunpunt



<Mixione> concept in Weena | Glocal City Vision 2007 © Concire and the City of Rotterdam
Reference: <http://www.rotterdam.nl>



Rotterdam Central Station District, Quality Plan 2009 © Maxwan A+U and the City of Rotterdam



THANK YOU

MERCI

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