



Floating Urban Development and Area Development 3.0

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AGENDA

- Rijnhaven Rotterdam
 - Background
 - Tender Sustainable Area Development
 - Sustainable Transition Characteristics
 - Discussion

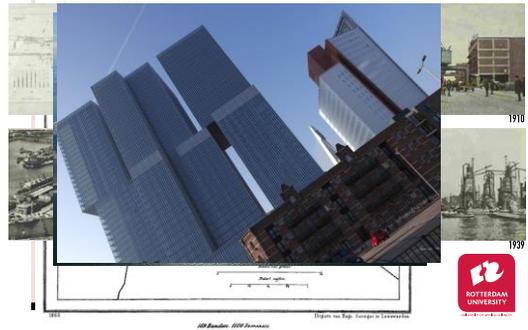


RIJNHAVEN ROTTERDAM

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Deltas in Times of Climate Change



History



Rijnhaven Rotterdam

Kop van Zuid: urban development



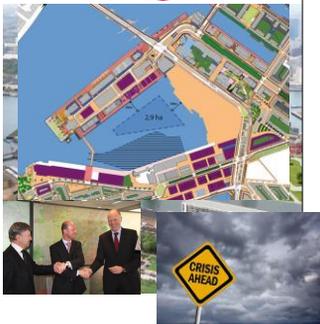
PortCities Programme: renewed interaction with port activities



Original plan: (a)Round Rijnhaven



Change of plans: Floating homes



- Floating Pavilion realised
 - World Expo Shanghai
 - Tour de France
- => **SHOW CITY**
- Floating homes in official plans for Rijnhaven
 - Market consultation private sector-led development
 - Call for temporary floating 'objects'



Tender sustainable urban area development



Market consultation => Tender

- ▶ Area considered too small: *From 3 to 21 hectare*
- ▶ Long-term contract preferred: *30 years concession*
- ▶ What kind of tender? *Competition oriented dialog*
- ▶ City's role: facilitating or controlling? *Both*
- ▶ Balance between commercial and societal interests: *Set of ambitions and conditions*
- ▶ Demands versus feasibility of project: *Private parties design, build, finance, maintain and operate the area*
- ▶ Floating area development may impact costs, permits and turnaround: *Risk for private parties + no call for floating developments*



Sustainable transition characteristics

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Sustainable transition Rijnhaven

Societal transitions are processes of change that **structurally** alter the culture, structure and practices of a societal system.

- Large scale technological, economical, socio-cultural and institutional developments;
- Long term process (> 25 years);
- Interactions between niche, regime and landscape scale levels



What level of transition?

- Regime: dominant structure, culture and practices with the incumbent power and vested interests in a societal system. **(Urban) Area Development**
- Niche: societal sub-systems that deviate from the regime and provide a context for experimenting with new, sustainable practices, and related culture and structure. **CityPorts Programme**
- **Niche-regime: constellation of culture, practices and structure that challenges the power of the regime in fulfilling a societal need.**



What phase is this transition in?

- Predevelopment: dynamic equilibrium; no visible change. **Kop van Zuid**
- Take-off: state of system begins to shift. **PortCity Programme / RDM Campus / Floating Pavilion**
- **Acceleration: accumulation of socio-cultural, economic, ecological and institutional changes that react to each other.**
- Stabilization: new dynamic equilibrium.



Discussion

- Floating Pavilion led to a call for floating development as part of urban development Rijnhaven
- Crisis led to a call for sustainable urban transformation of entire Rijnhaven => big step in transition of urban area development
- Floating development was bypassed

ARE FLOATING DEVELOPMENTS A MEANS TO ACCOMPLISH SUSTAINABLE URBAN AREA DEVELOPMENT OR ARE THEY A GOAL IN THEMSELVES?



exceed expectations