

CLIMATE TECHNOLOGIES TRANSFER TO DEVELOPING COUNTRIES

APPLICATION OF SMART ICT TOOLS



Date: Copenhagen, 20th May, 2015
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CONTENT

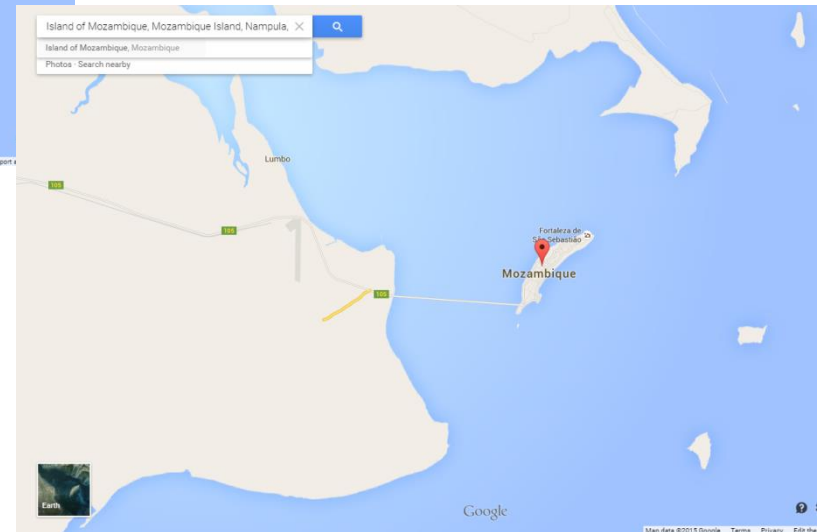
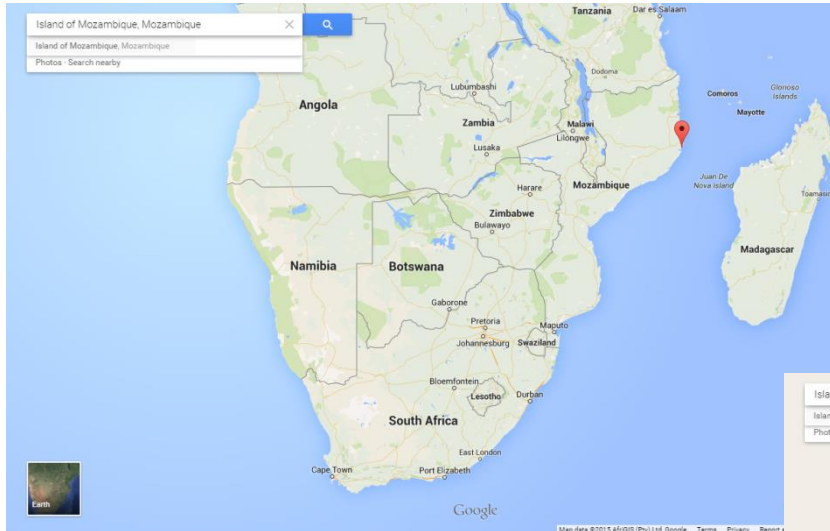
1. Context
2. Martin Roders
3. DEMO Consultants
4. What we can offer
5. Projects and applications



ISLAND OF MOZAMBIQUE



ISLAND OF MOZAMBIQUE



WATER SUPPLY



WATER SUPPLY



FLOODING



MARTIN RODERS



Defence:
18th June, 2015



KEY TO PERFORMANCE

To optimize social, public and economic benefits by collecting, structuring, analyzing and disclosing real estate information.



Small/Medium Enterprise 12 people, Delft, The Netherlands.
 Consultancy work in the Netherlands; Research International



LANGUAGES

- Dutch
- English
- German
- Romanian
- Portuguese
- Indonesian

PROGRAMMING LANGUAGES ;-)

- Java
- .NET
- C++
- C-Sharp
- Visual Basic

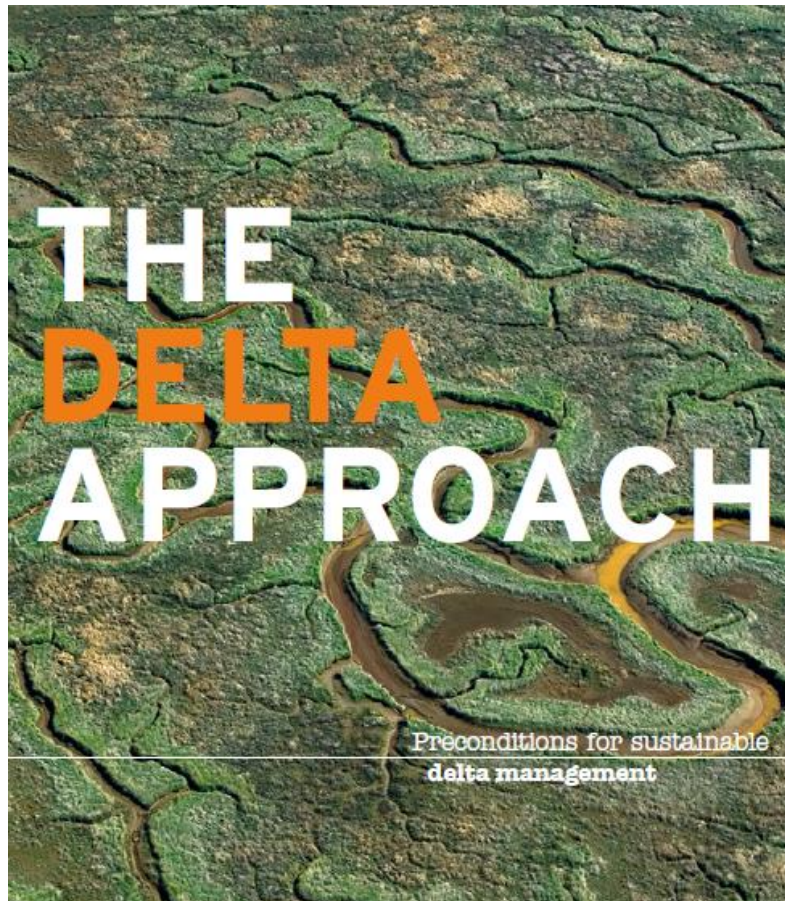


WHAT WE CAN OFFER

- Partnership
- Training
- Tools
- Experience



DUTCH SUPPORT IN WATER MANAGEMENT

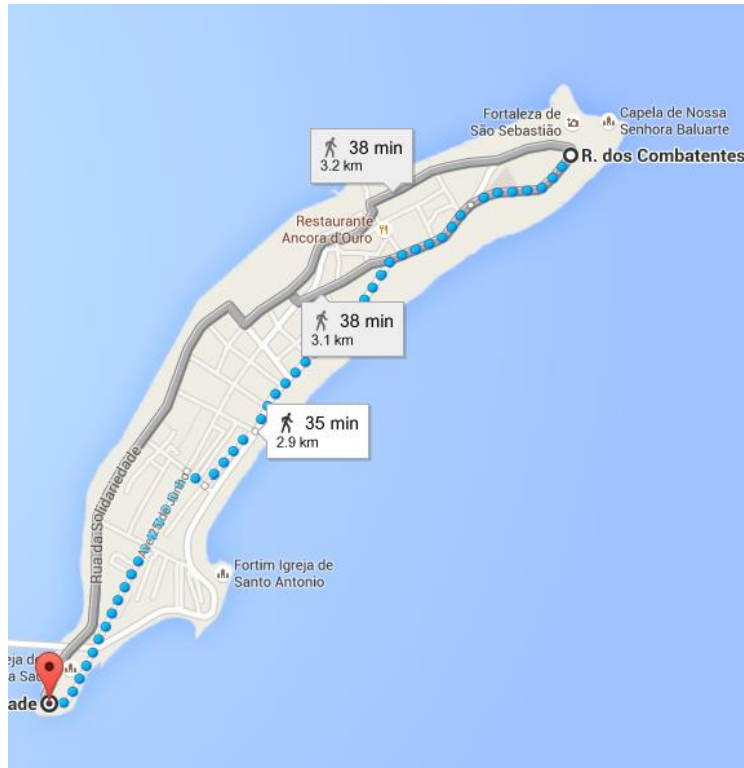


1. THE NETHERLANDS
2. BANGLADESH
3. INDONESIA
4. EGYPT
5. USA
6. MYANMAR
7. MOZAMBIQUE
8. POLAND
9. VIETNAM
10. COLOMBIA

What we can offer



PARTNERSHIP: KNOWLEDGE CLUSTER DELFT



What we can offer



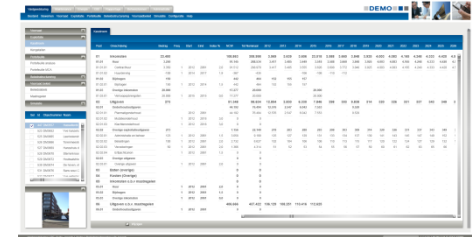
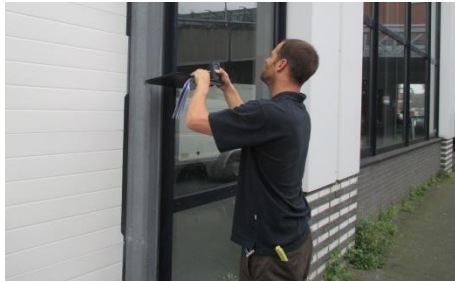
TRAINING: MASTERCLASSES AND WORKSHOPS



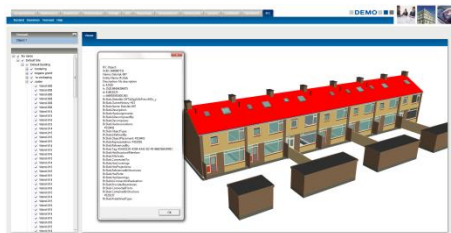
What we can offer



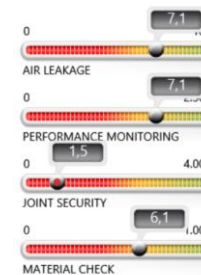
TOOLS: COLLECTING, STORING & DISCLOSING DATA



sebd2015.dia.uniroma3.it



ENERGY PERFORMANCE



What we can offer



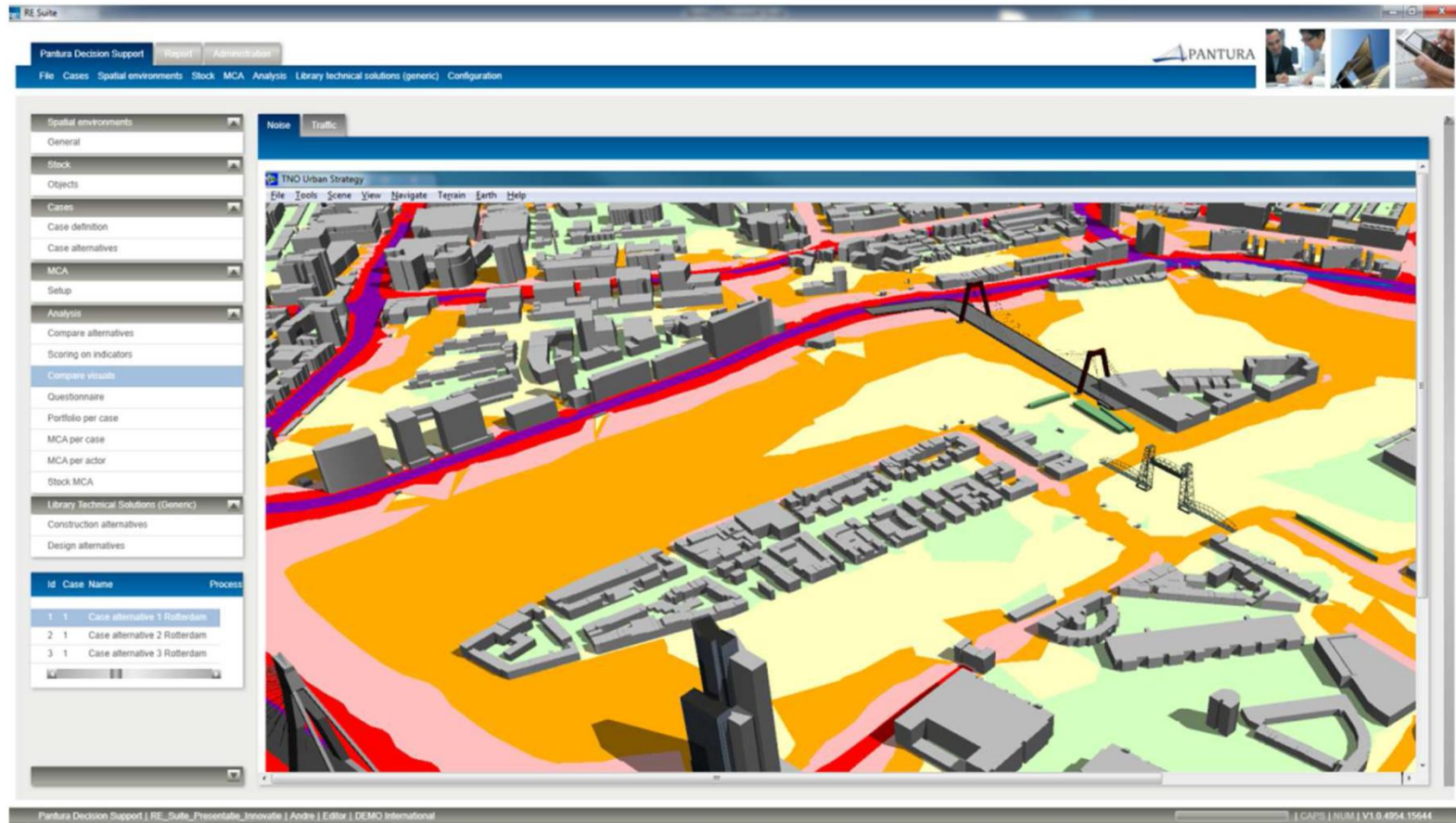
INCEPTION: BIM FOR CULTURAL HERITAGE



INCEPTION: MAKE HISTORY VISIBLE



LOW-DISTURBANCE URBAN INFRASTRUCTURES



Projects and application



EU-FP7



APPLICATION OF SMART ICT TOOLS

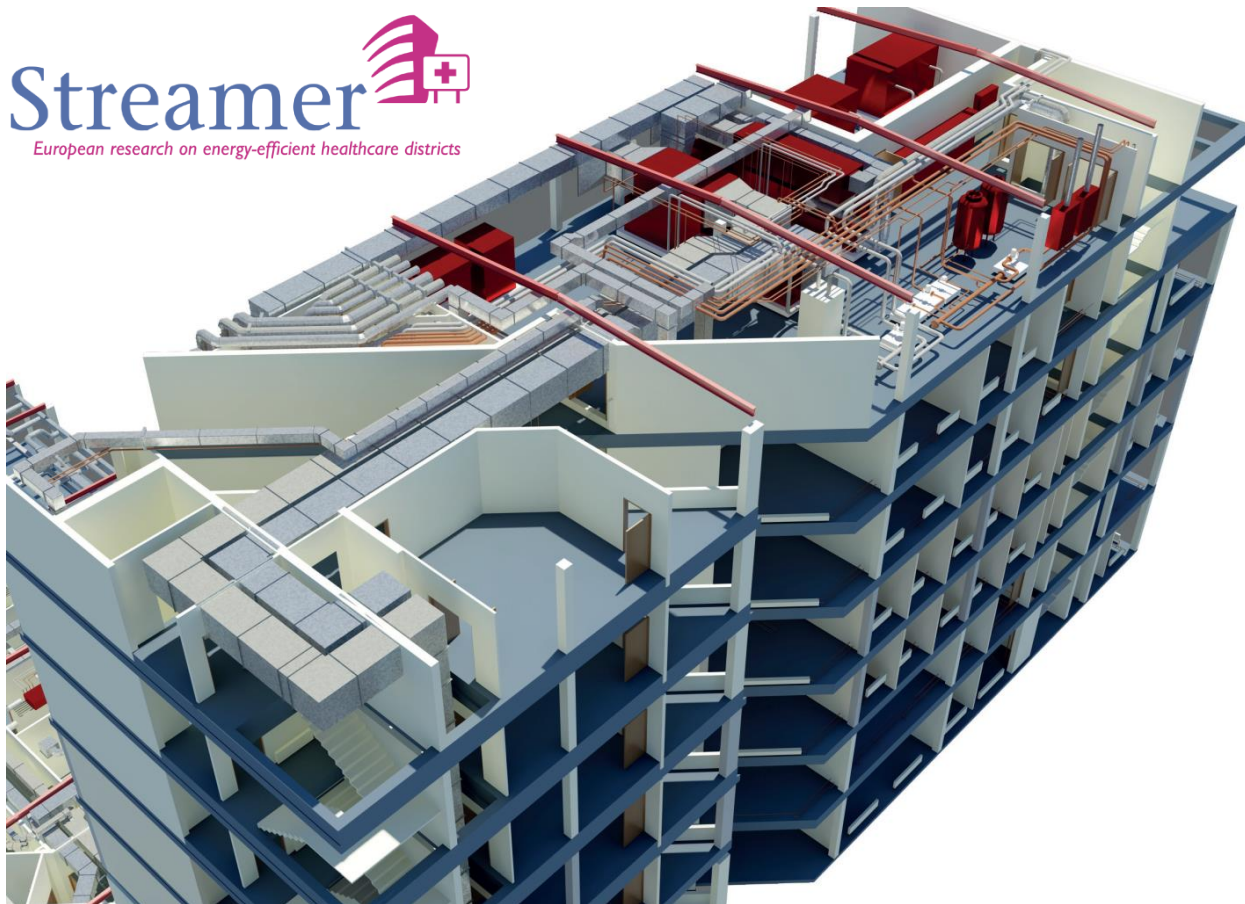
PANTURA: DECISION SUPPORT FOR INFRASTRUCTURE INTERVENTIONS



Projects and application



BIM-GIS TOOLS FOR ENERGY EFFICIENT HOSPITALS



Projects and application

EU-FP7



OPTIMISE ENERGY USE HOSPITALS: STREAMER



SELF INSPECTION AND AUGMENTED REALITY



INSITER INTUITIVE
SELF-INSPECTION
TECHNIQUES



SELF-INSPECTION AND –INSTRUCTION: INSITER

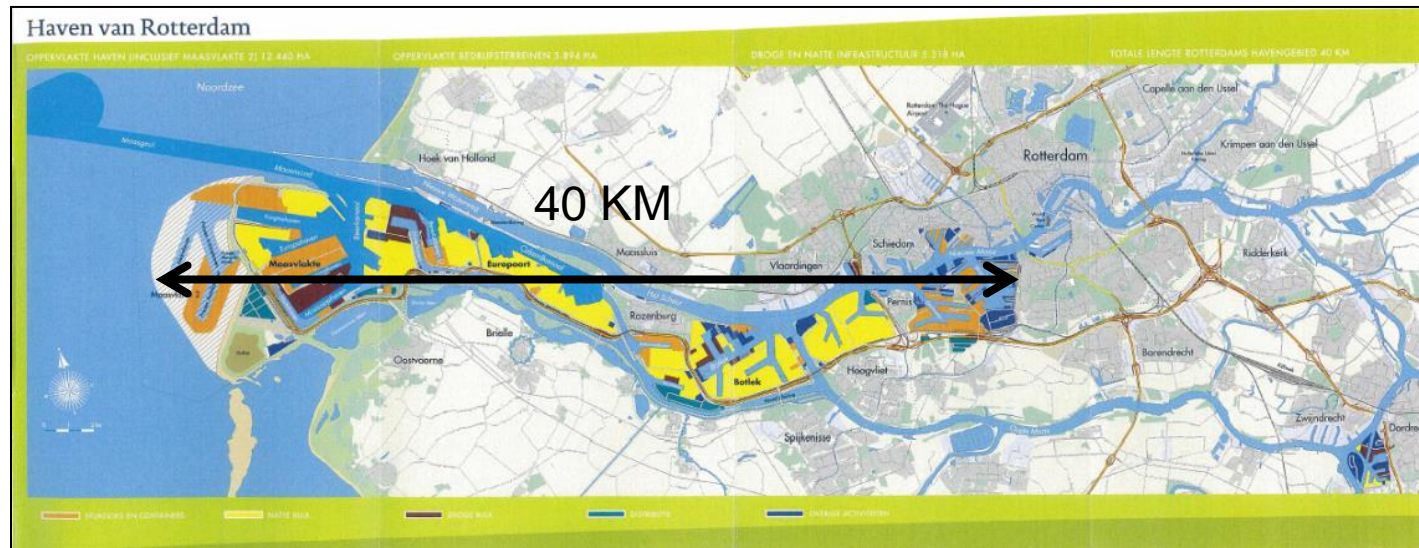


PORT OF ROTTERDAM

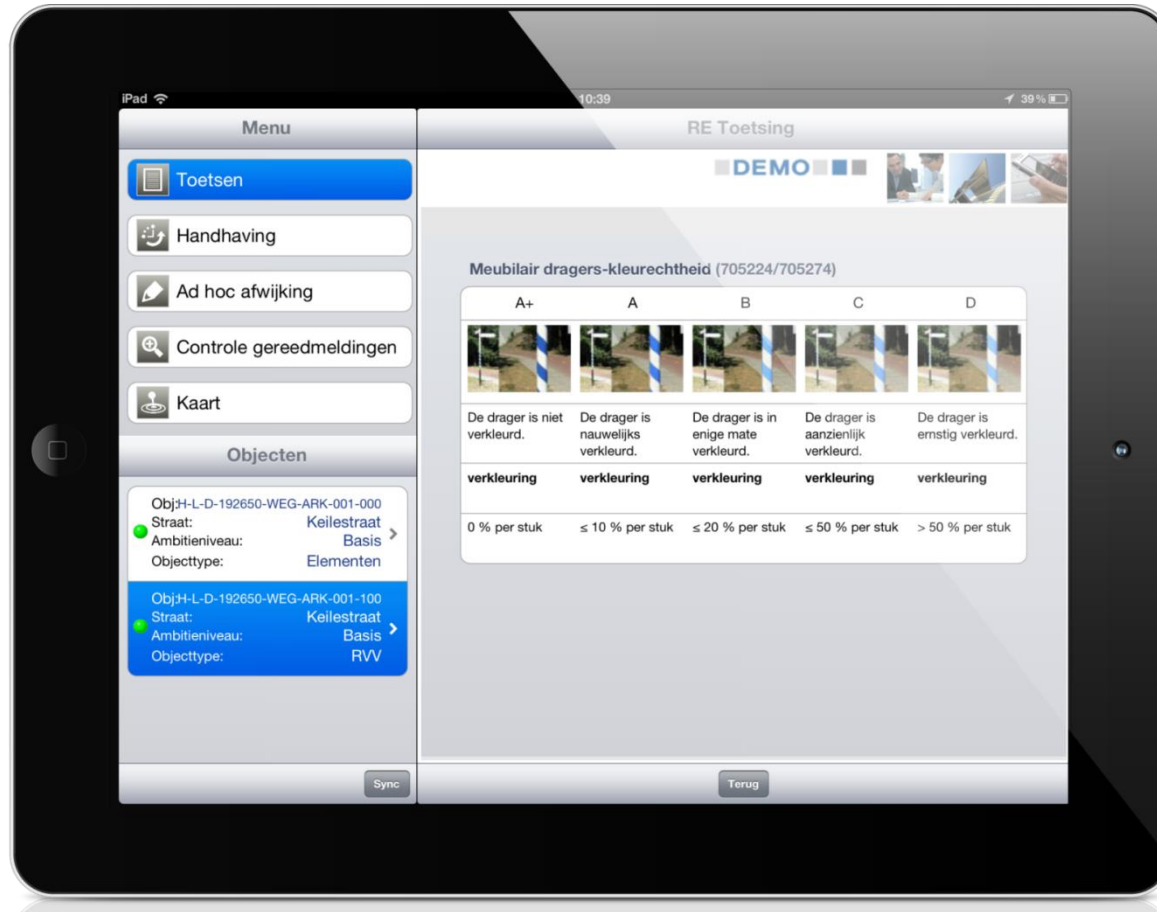
■ Asset Management

- Roads
- Piping, sewage etc
- Rail roads
- Plots
- Public spaces

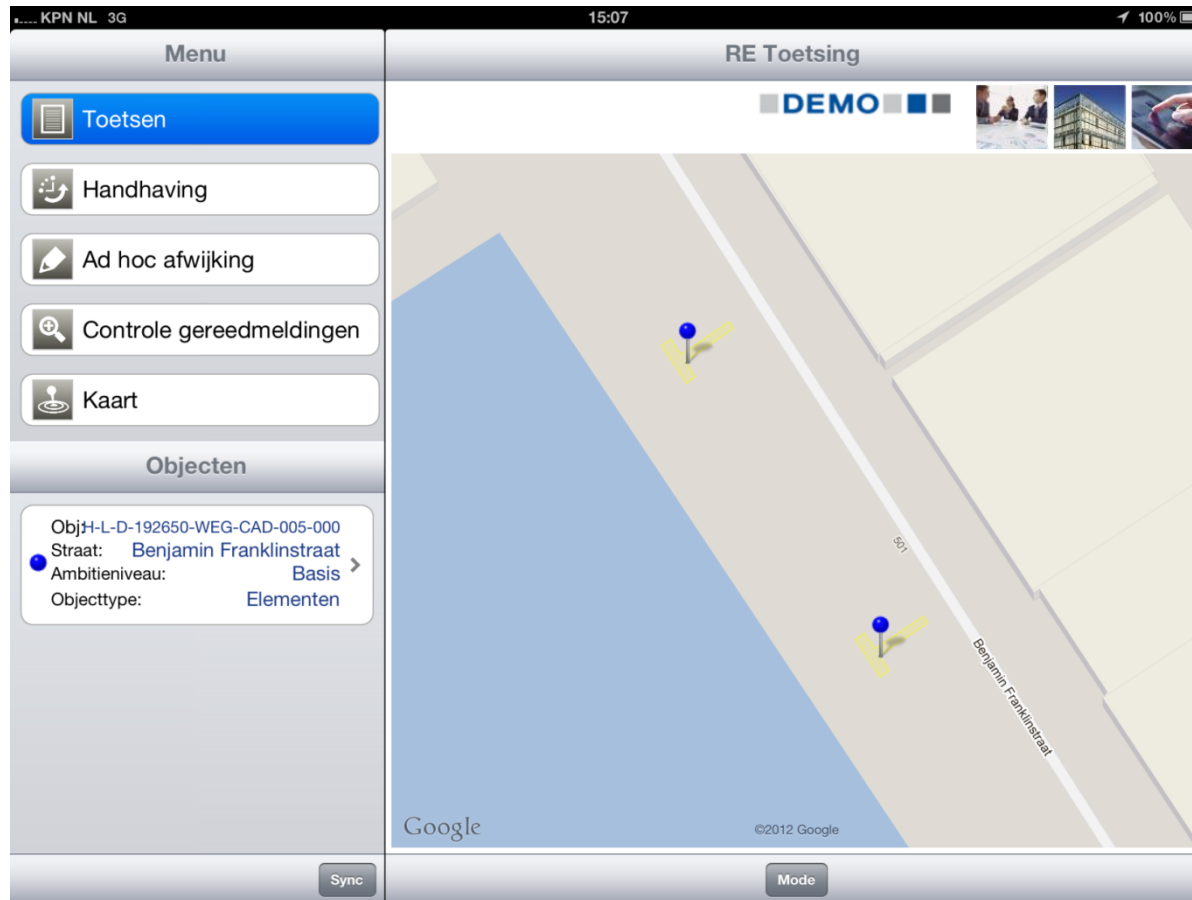
Onbeperkt toegang 24 uur per dag, 7 dagen per week	
Totale oppervlakte haven, inclusief Maasvlakte 2	12.440 ha
Oppervlakte land	7.718 ha
Waarvan uitgeefbaar terrein	5.894 ha
Oppervlakte water	4.722 ha
Totale lengte Rotterdams havengebied	40 km
Waterdiepte N.A.P. (max.)	24 m
Diepte Eurogeul in de Noordzee N.A.P. (max.)	24 m
Lengte Eurogeul in de Noordzee	57 km
Kademuren	64 km
Zeesteigers	17 km
Oevers (glooïngen)	155 km
Pijpleidingen	1.500 km
Palensets	4
Boeien	20
Pontons	90
Steigers	102



CONDITION ASSESSMENT



POSITIONING OF OBJECTS



AUGMENTED REALITY



CLIMATE CHANGE, MOZAMBIQUE



CLIMATE CHANGE, MOZAMBIQUE



WHAT WE CAN OFFER

- Partnership
- Training
- Tools
- Experience





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Project: Climate Technologies Transfer to Developing Countries
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Date: May 2015

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