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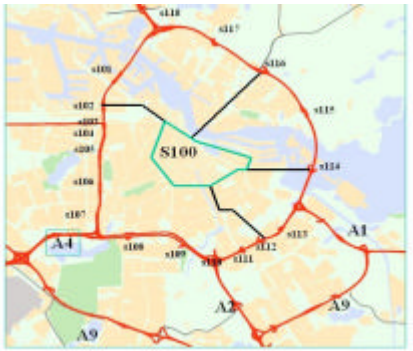

Coordinated Traffic Management in the Amsterdam region

Towards network traffic control

Daniël van Motman
City of Amsterdam

- 743.000 inhabitants

- 423.000 jobs
  - Business services 101.000
  - Financials 46.500
  - Health service 54.000
  - Government & social insurances 27.500

- Schiphol Airport
  - Jobs 62.000
  - 46 million passengers

- Floraholland flower auction

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There are currently two major projects on Coordinated Traffic Mangement in the Amsterdam region:

- Improving the traffic flow on the A10 ring road
- National Pilot Coordinated Traffic Mangement

Improving the traffic flow on the A10 ring road

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Traffic Jam Proof

Short term traffic jam approach by the Minister of Transport, Public Works and Water Management

- inventory of ideas within the entire ministry
- assessment by experts
- realisation in 2008 and 2009

Proposal for a Plan of Approach

- Implement Traffic Jam Proof to achieve part of the Noord-Holland Network Vision

Goal of the Amsterdam Traffic Jam Proof project

- ‘Improving the traffic flow on the A10 ring road’ as part of realising the Noord-Holland Network Vision

Policy goals

- Local policy goals
  ‘Noord-Holland´ Network Vision

‘*Keep the ring roads flowing´*

- National policy goals
  Traffic Management 2020

- city ring
- city network
- corridors

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Goal

- Keep the ring road A10 flowing

Regulation tactics

- Increase the outflow to the S roads
- Control the influx from the S roads
- Control the influx to the A10 (A1, A2, A4, A8)

In broad terms there are four types of ‘measures’

- Installing or re-adjusting traffic lights
- Adaptation from traffic lanes and markers
- Installing traffic filtering lights (TDIs)
- Installing dynamic route information panels (DRIPS)

Project

This project consists of three phases:

1. Base of support for the programming of the measures
2. Drawing up specifications, evaluation plan and regulation scenarios
3. Realising and evaluating measures

Elaboration of phase 1:

0. Exploration
1. Start of the project
2. **Work session per sub-area**
3. Standard approach per connection
4. Determining effects for the selected measures package
5. Drawing up work plan for phase 2 and 3

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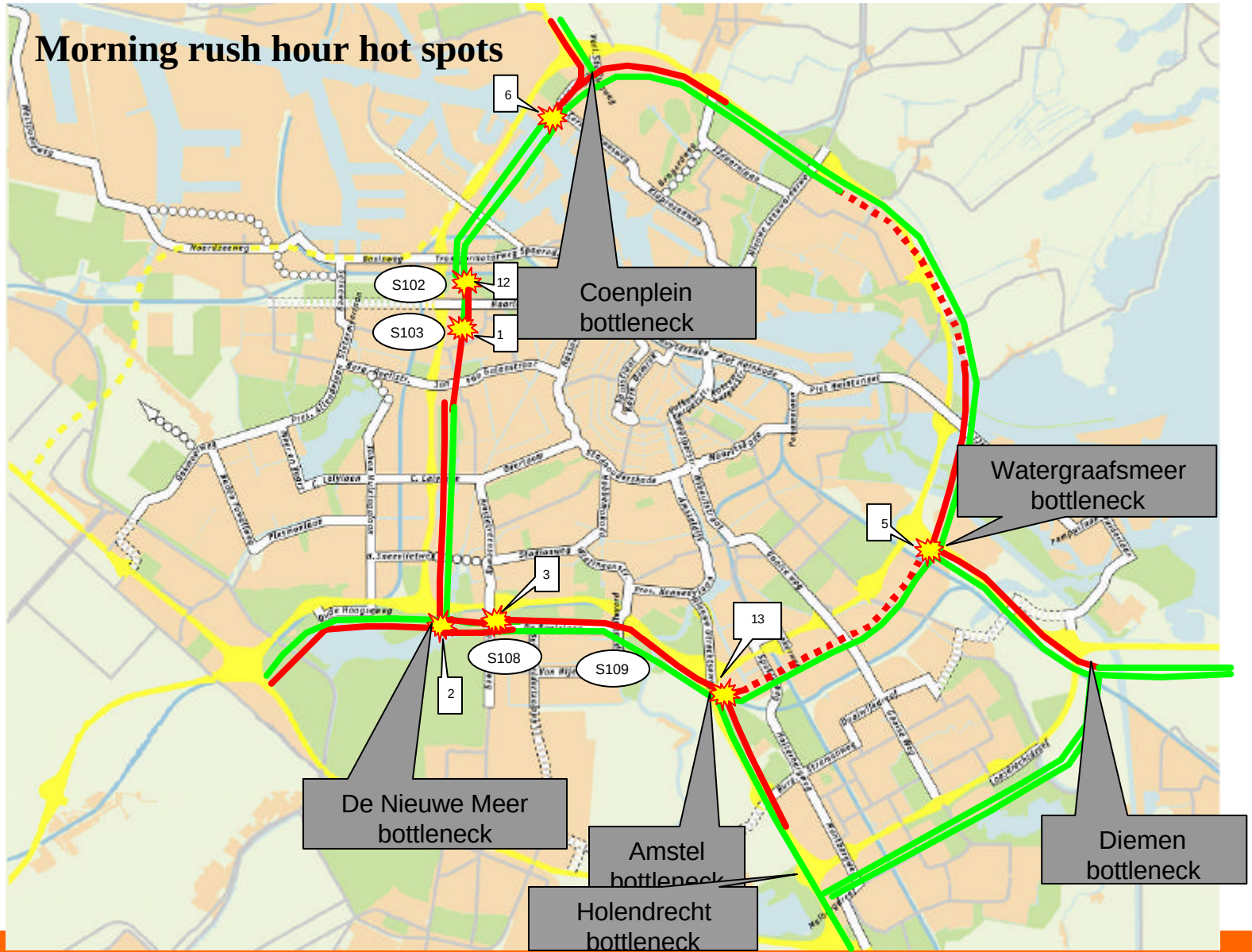
Morning rush hour hot spots



Preconditions

- No increase in the use of urban roads
- Prevent blockades
- No obstruction Specific Target Groups (Public Transport, Emergency Services,bicycles)
- Traffic safety

Cooperation

- Project is managed by the Noord Holland Network Vision steering group
- Project team: City region of Amsterdam, Province of Noord-Holland, Municipality of Amsterdam and Directorate-General for Public Works and Water Management Noord-Holland
- From the beginning, every road manager is involved in the project

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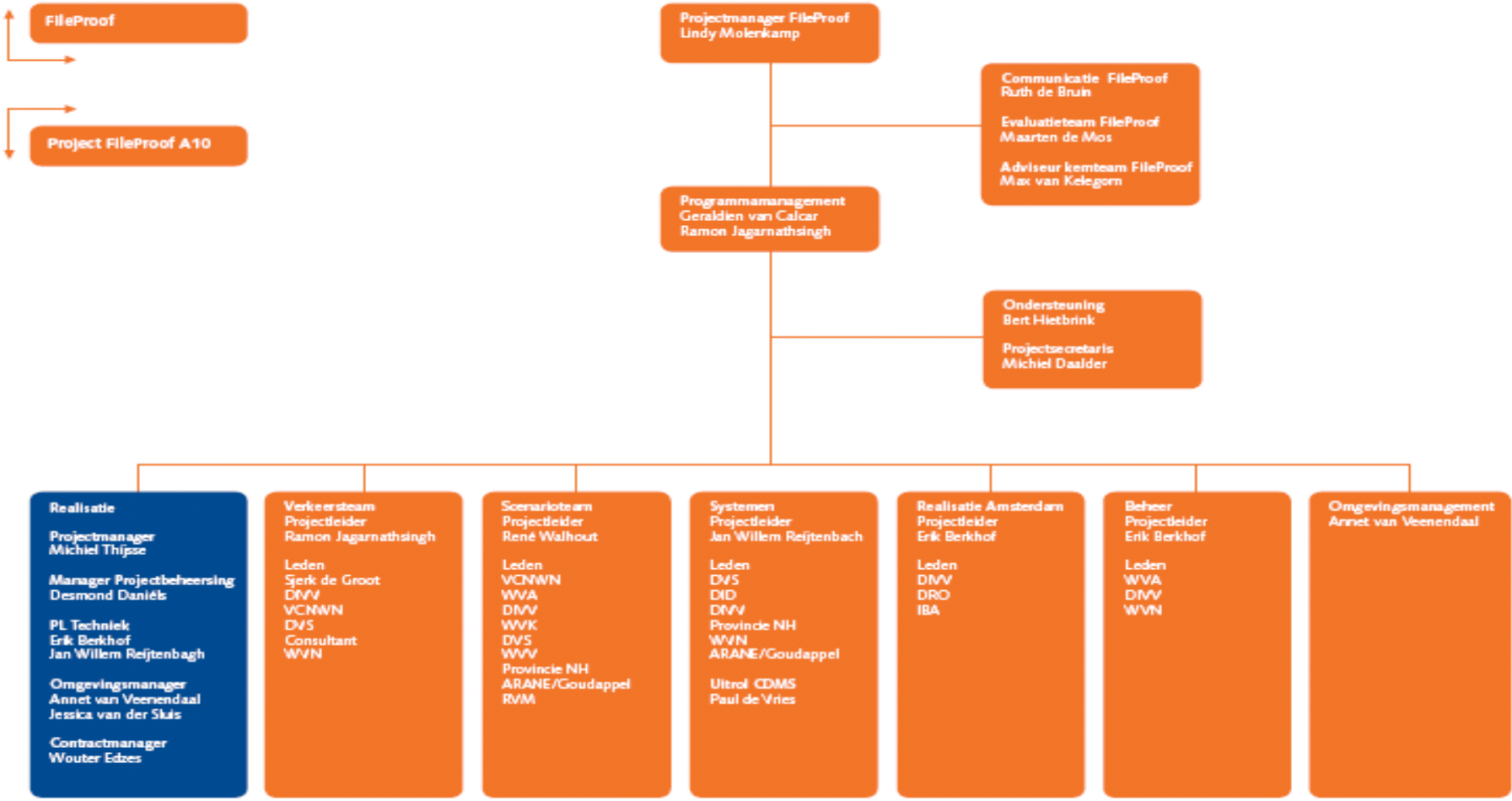

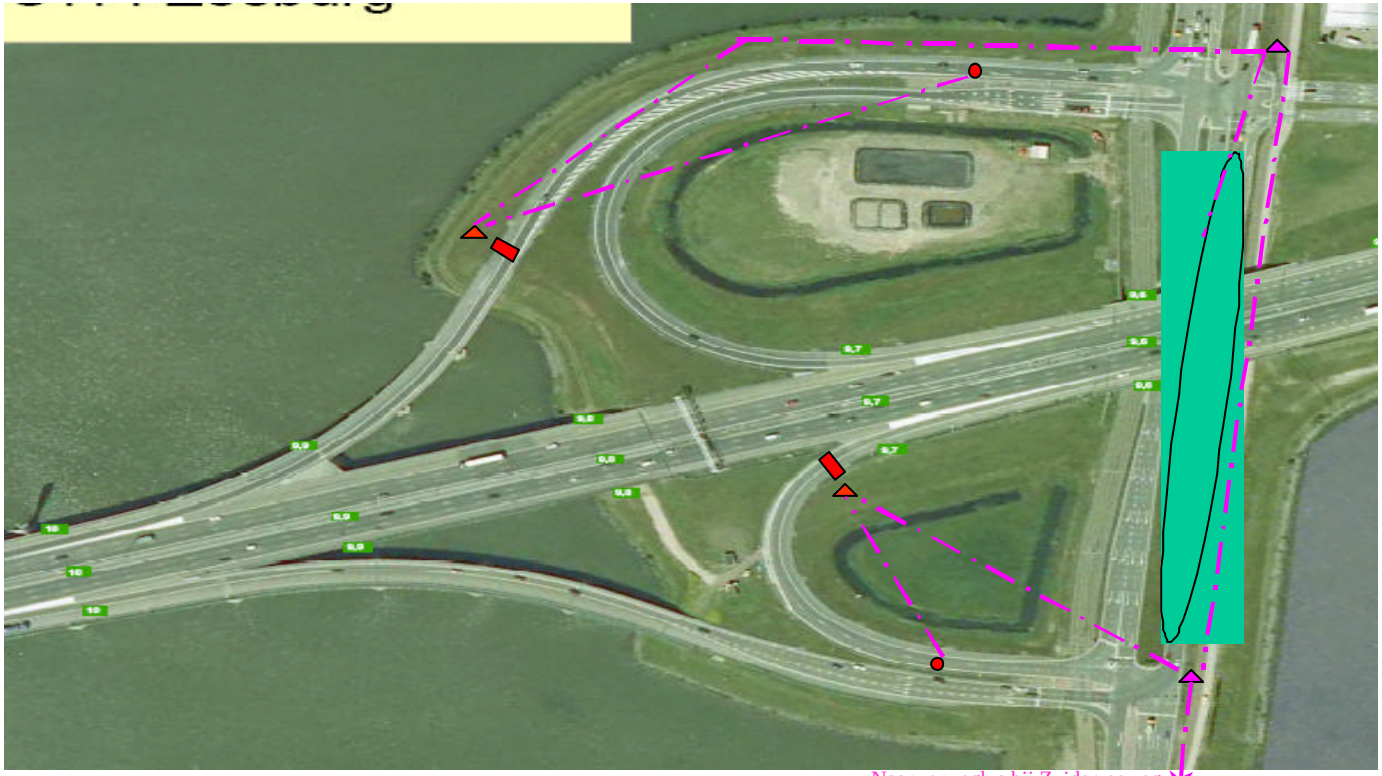

existing TDI
existing loops
new TDI
new loops

existing VRI cupboard
existing TDI cupboard
new TDI cupboard

Adaptation from traffic lanes and markers
Cables

S114

Regulation through traffic filtering lights (TDI)

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Traffic control system (VRI)

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Implementation of measures … in short

Traffic handling on the A10 is becoming worse → desire to regulate ➔ **ON**
No heavy blockade on urban roads → regulate heavier ➔ **REGULATE BETWEEN MAX-MIN**
Blockades on urban roads are increasing → **OFF**

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Dynamic route information panels by the roadside

Network status en Scenario’s

- Traffic statue automatic give the status of the network by the colours (red, yellow, green)
- Computer suggest a head scenario
- Employee road traffic control centre makes decision about scenario
  - **The employee can be anyone from the cooperation**
- Computer decide the details for the scenario and suggest traffic measures

Evaluation

measuring

- On all connections of the ring road by
  - visual counting
- Counting loops
- Intensities on:
  - the A10
  - Slip roads
  - On VRI- control cross-roads in Amsterdam
- Travel time on the A10 and main roads in Amsterdam
- Study road users

Planning

December 2008	December 2008	Begin 2009	March 2009	2010
Install1e series bermDRIP's and TDI's.	Scenario's available on paper	Adjust systems.	Scenario's working	Start experience proof

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Challenges

- Operational Traffic Management (Traffic Management Centres)
- Cooperation
- Translate effects Traffic Management towards decision makers

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Thank you for your attention

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