

Container Transferium

An innovative logistic concept

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Port Infrastructure Seminar Delft
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Sense of urgency - 1

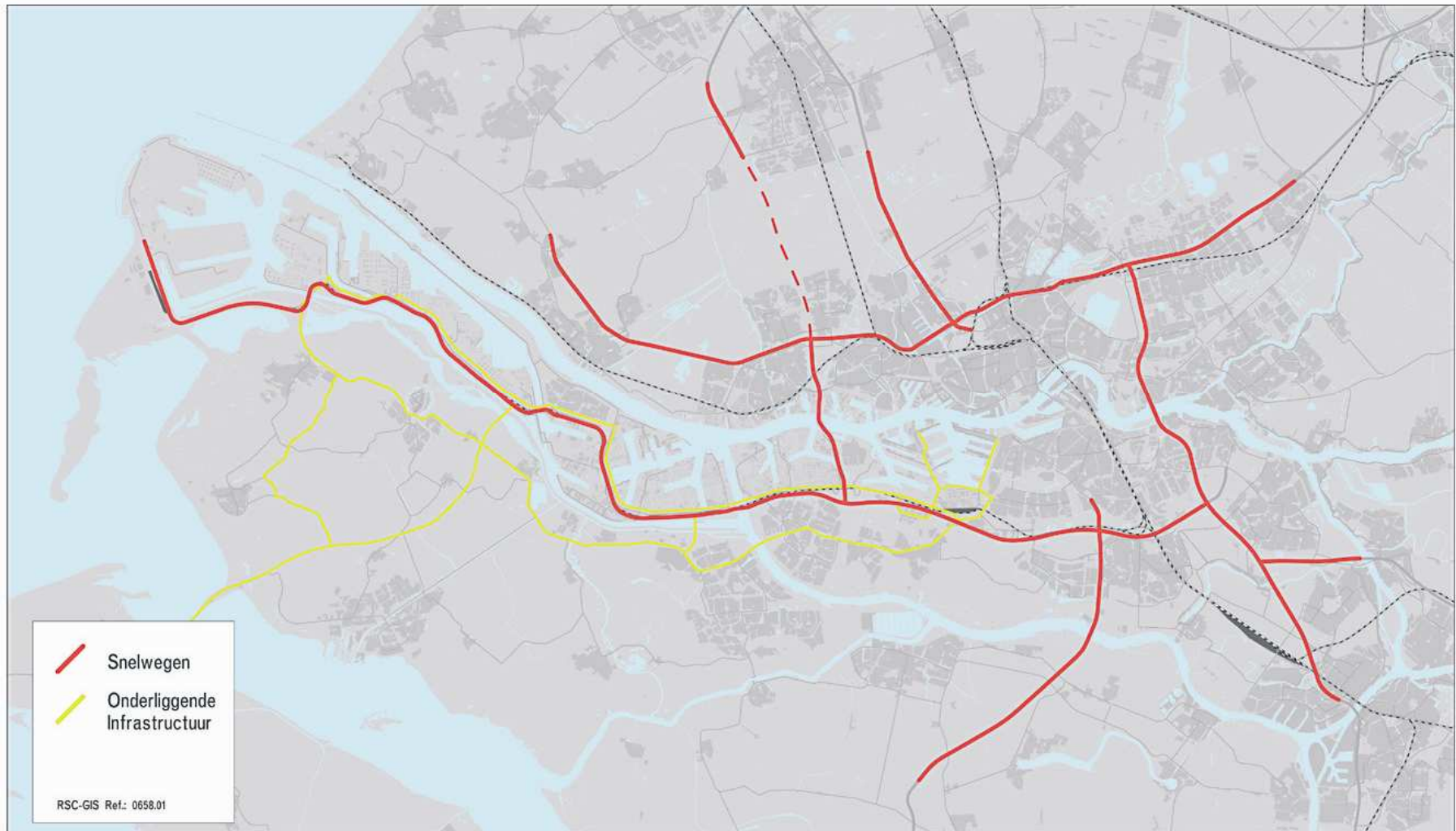
Congestion along A-15

- Chance of incidents 2x greater than in rest of Netherlands
- Two incidents every three days
- Steep increase in number of traffic-jams
 - 2004: 619 traffic-jams/year
 - 2006: 2693 traffic-jams/year
 - Increasing unreliability
 - Costs of trucking
- Ultra fine particular pollutants



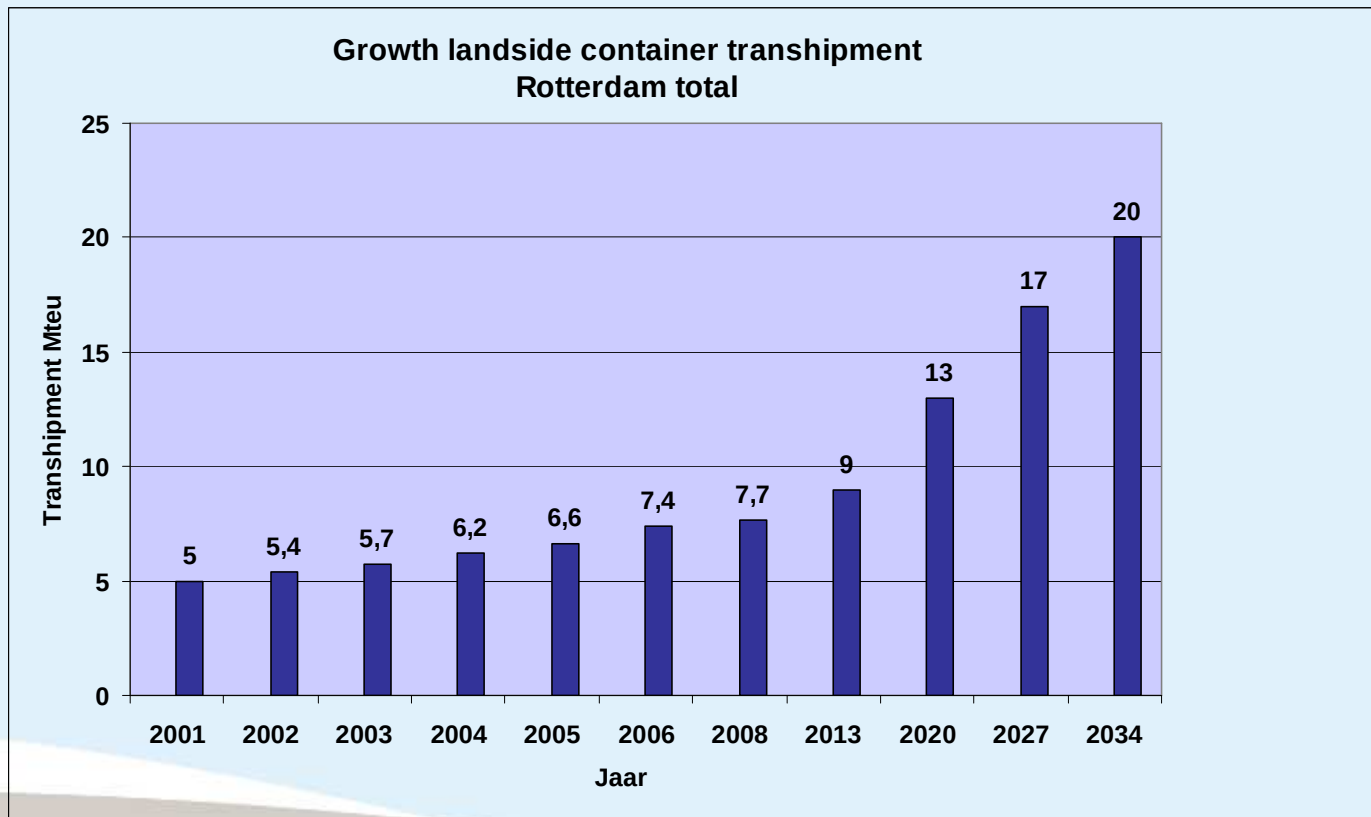
Vulnerability A15 corridor

Bereikbaarheid haven van Rotterdam:
Basiskaart



Sense of urgency - 2

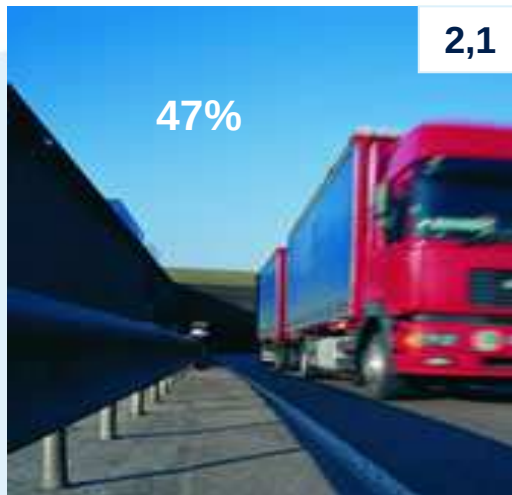
Landside transshipment has risen sharply and continues to grow strongly...



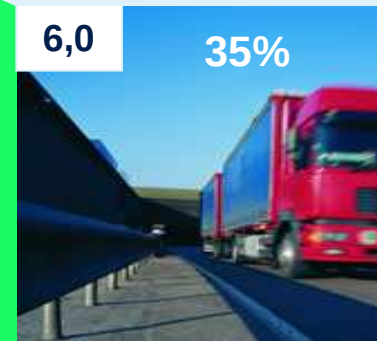
Modal shift

Containers Maasvlakte

2009



ROAD



BARGE



2035

* mln TEU



RAIL

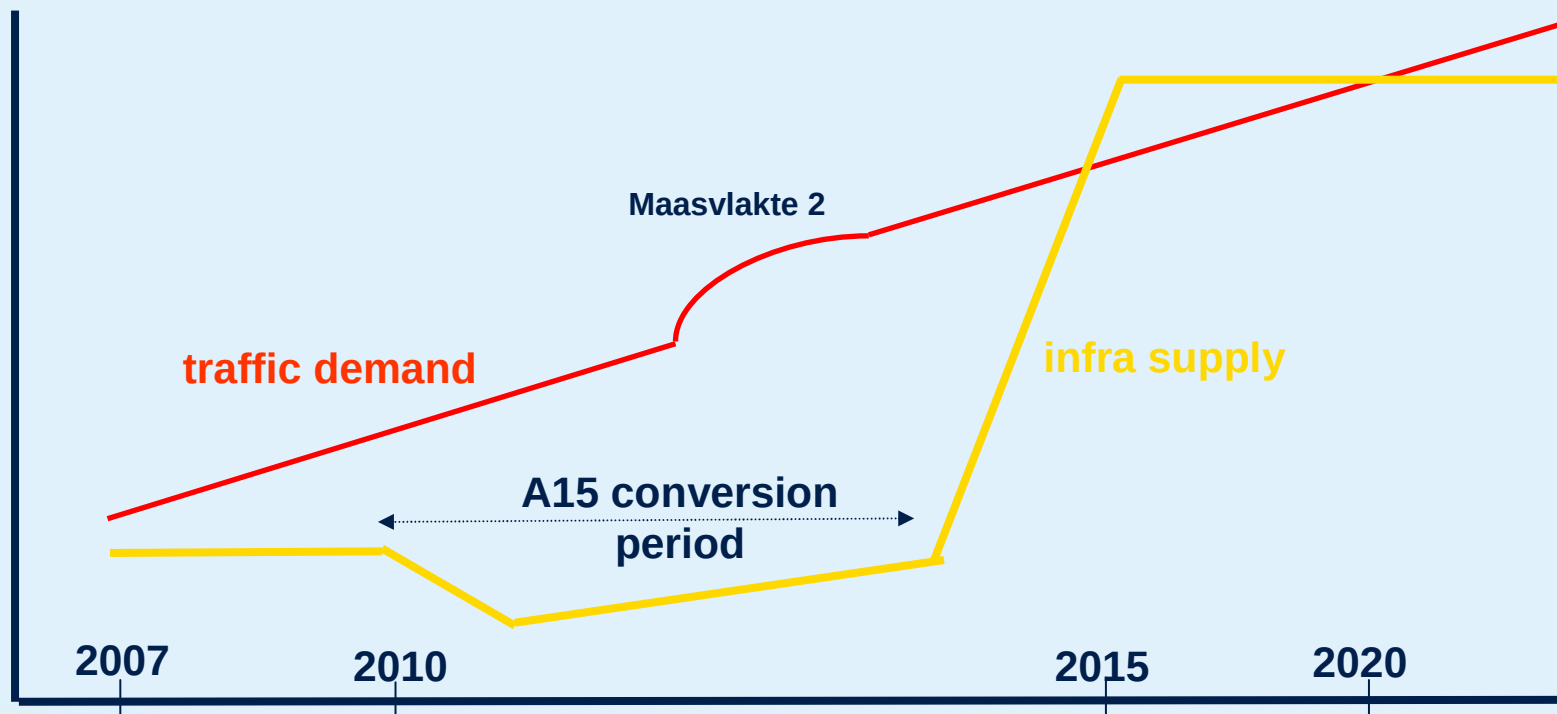


Sterke groei van het containerwegverkeer van/naar de Maasvlakte

Jaar	Aandeel weg	Weg
2009	47%	2.1
2020	42%	4
2035	35%	6

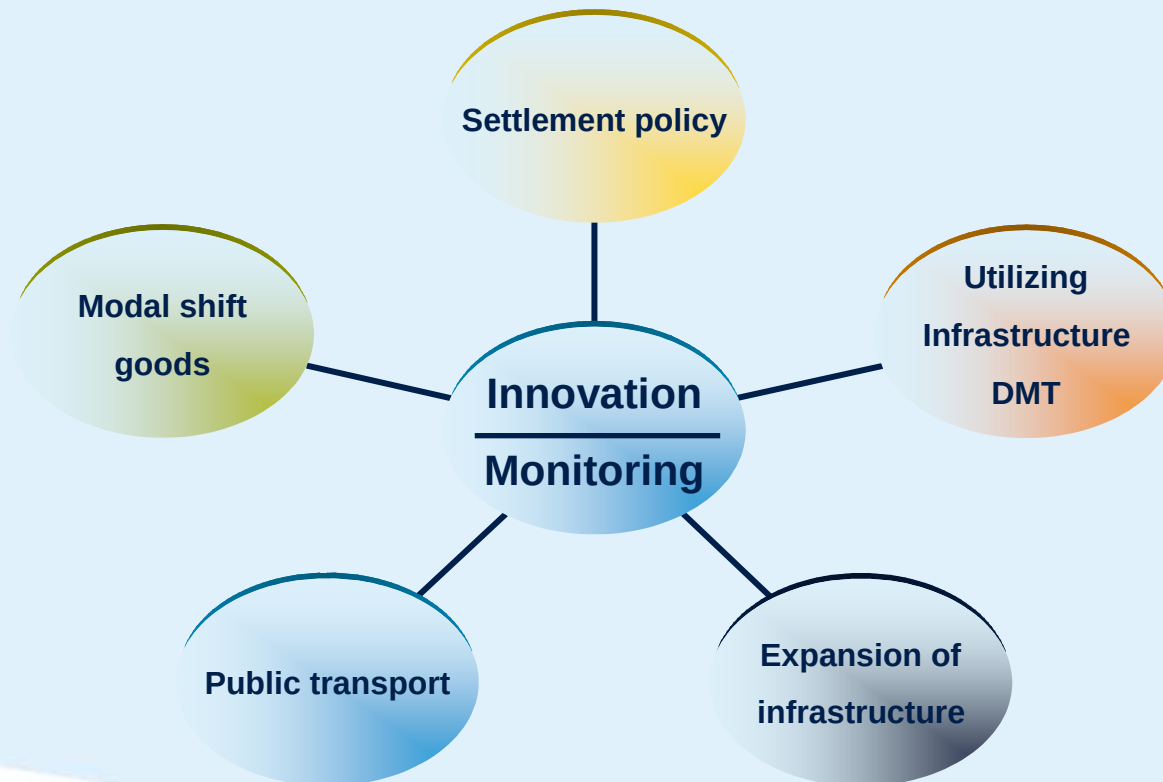


Timing: road capacity



Accessibility Programme

Integrated approach: 7 spearheads



Settlement policy



Public transport

Development of new concepts



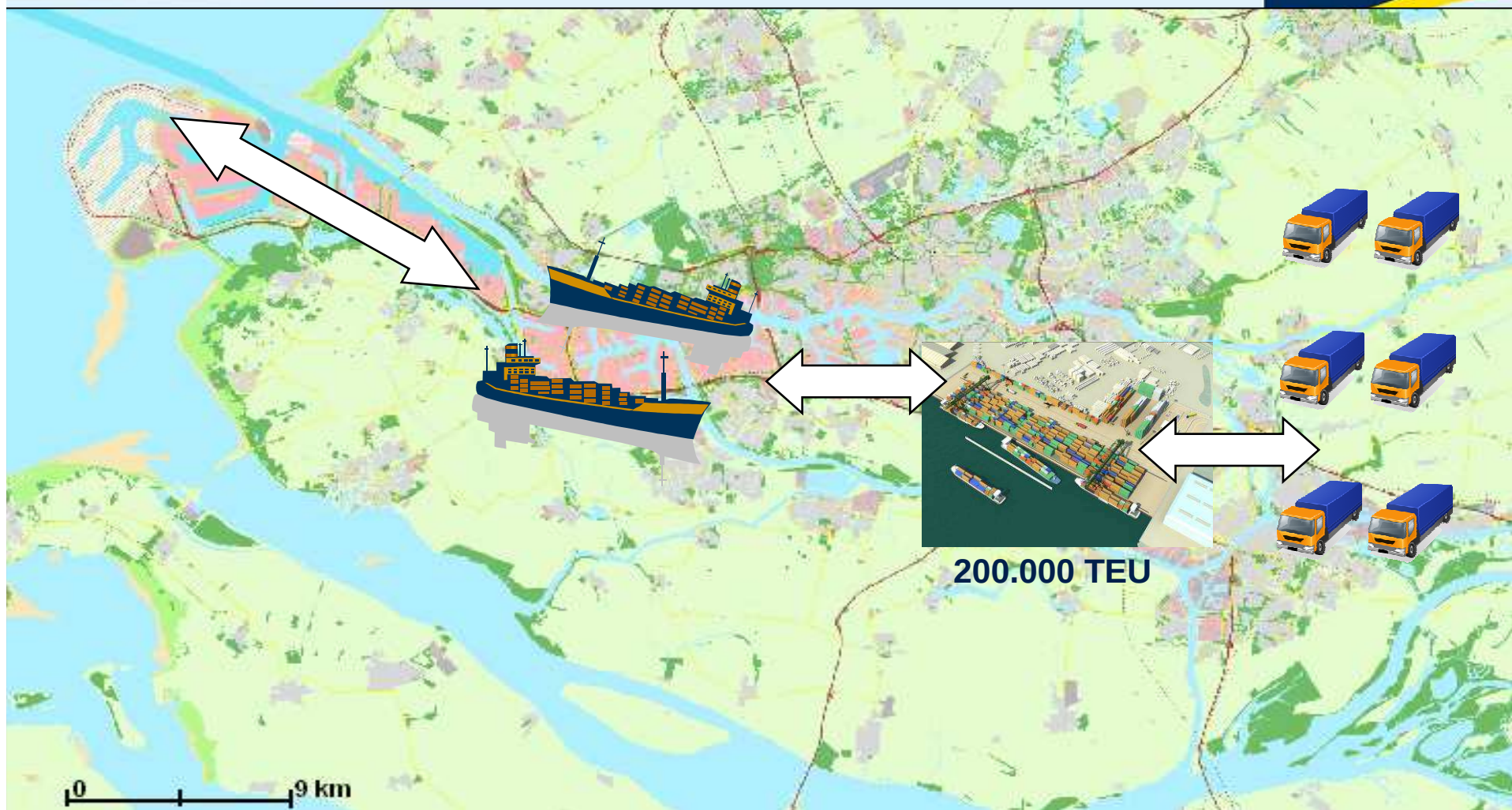
Dynamic traffic management



Infrastructural solutions: Maeslant bridge

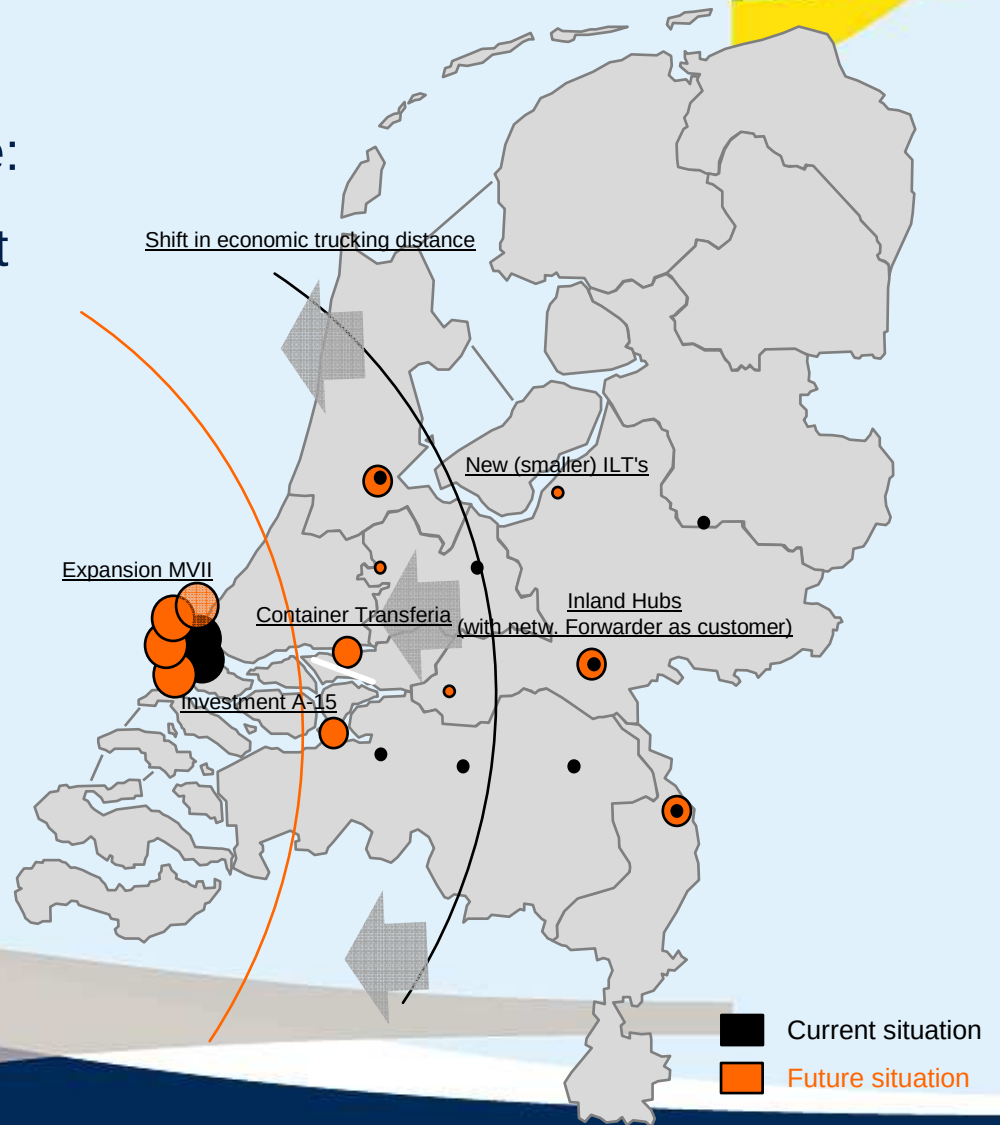


Container Transferium principe

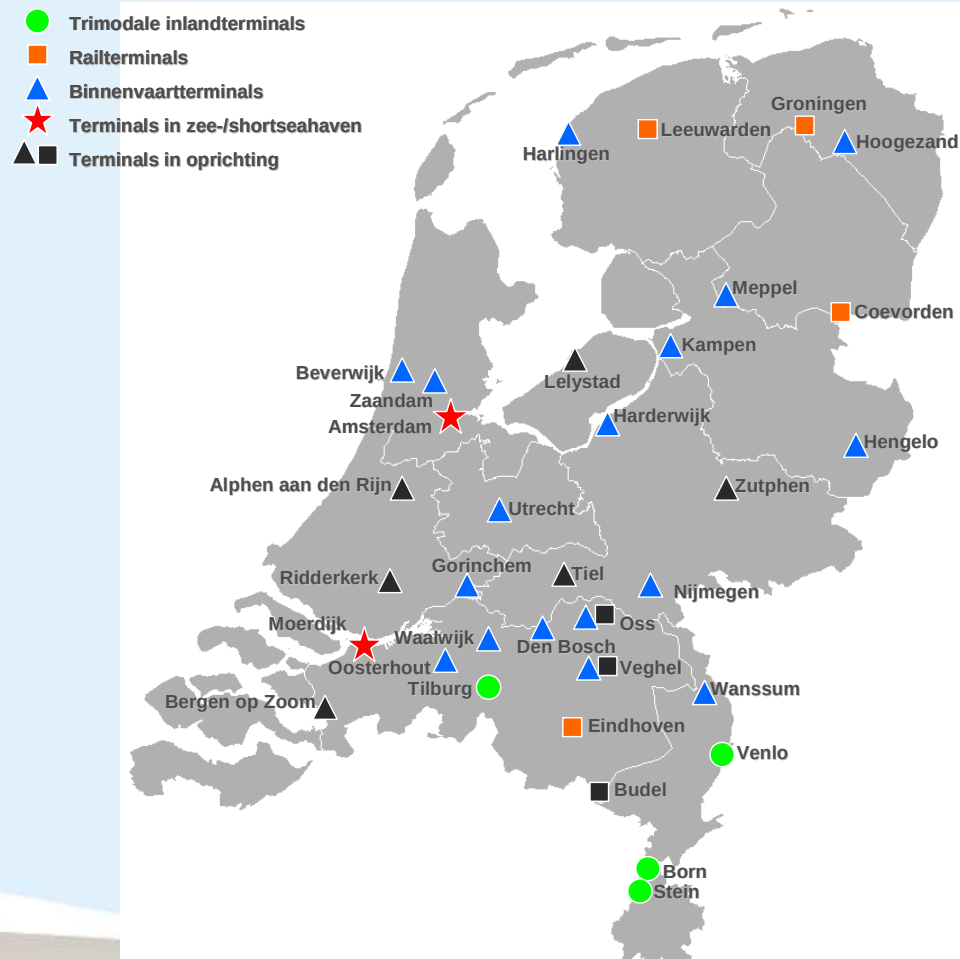


Container Transferium

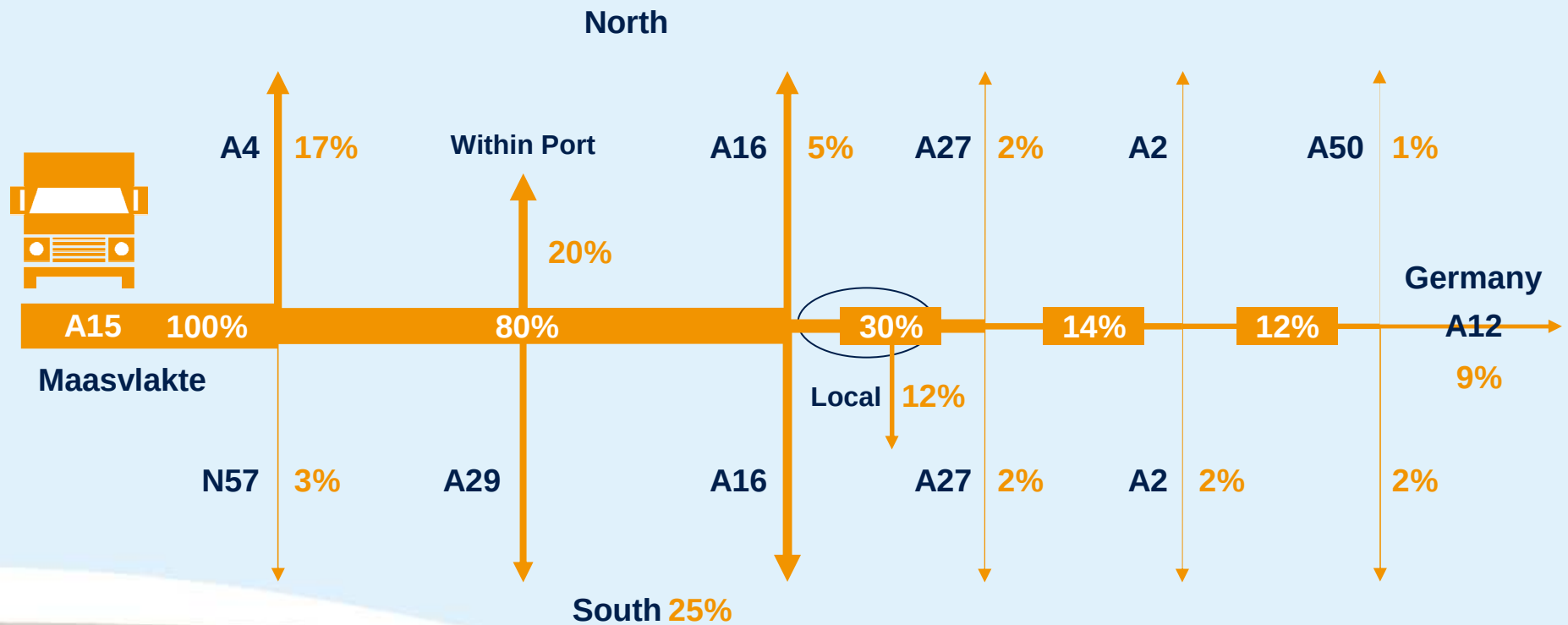
Inland shipping on the increase:
Barge/truck break-even point
shifts toward port



Map of the Inland terminals in the Netherlands

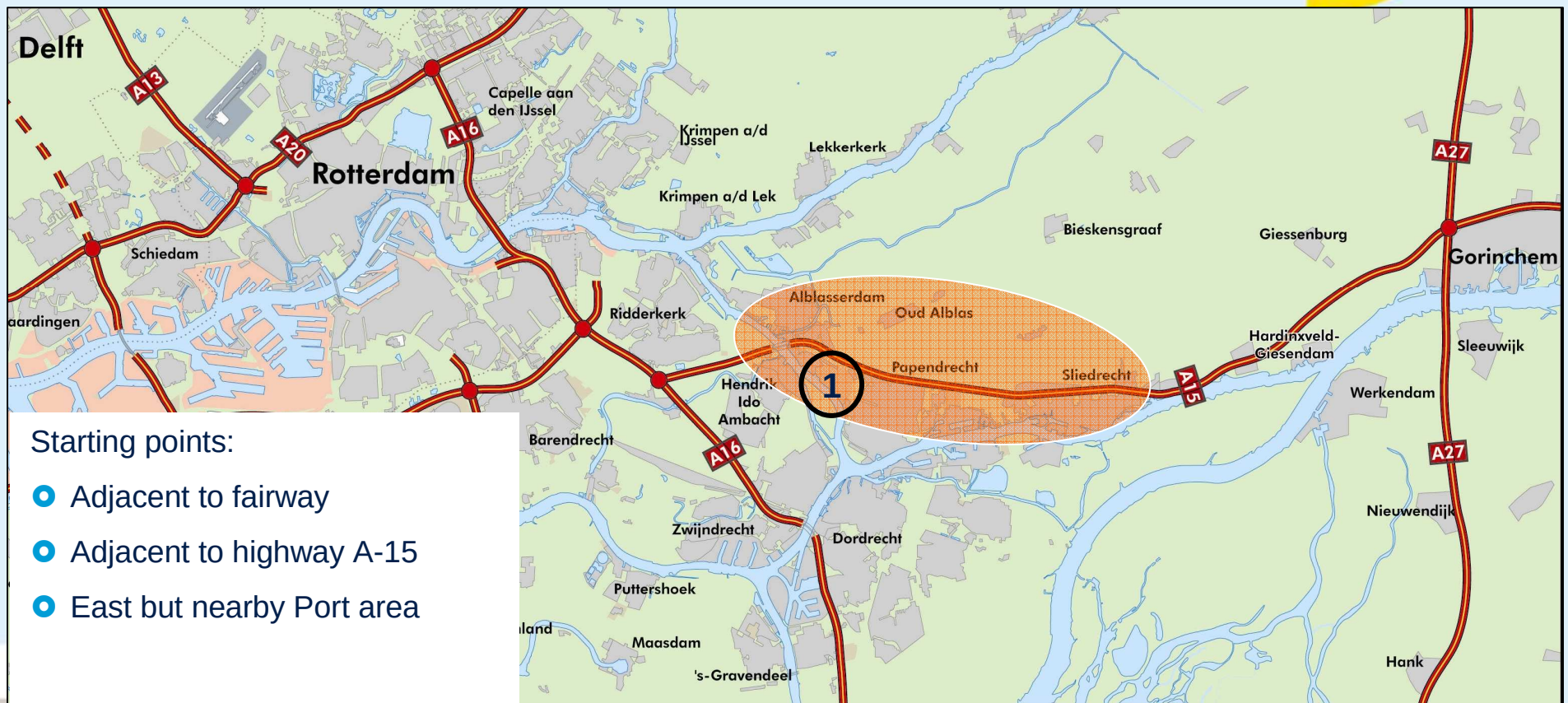


Container Transferium



Breakdown of container trucking using A15

Search area



Location Central CT

Alblasserdam



Synergy



- Customs
- Empty depot
- Distribution park
- Barge/Barge

Advantages



- Time saving trucks (opportunity costs)
- Shorter dwell times marine terminals
- Peak shaving marine terminals
- Buffer in case of accidents on the A-15
- New location for empty depots
- Reducing number of calls barges
- Enhancing call size barges

Product portfolio: propositions



Truck – Barge

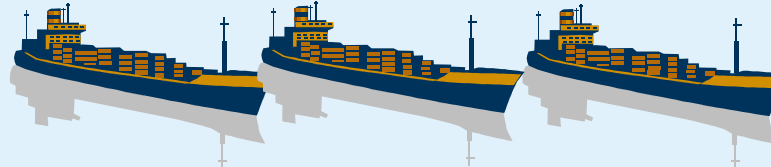
180.000 TEU/Yr



- SPT: terminal efficiency
- Truck: floating truck (price, flexibility)
- Forwarder/barge owner: reliability

Barge – Barge

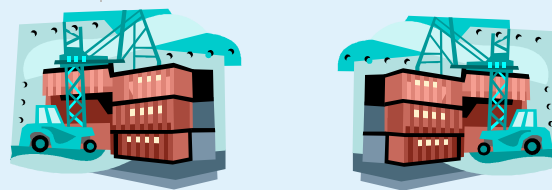
20.000 TEU/YR



- SPT: terminal efficiency
- ILT: turnaround ship

Empty depot

54.000 TEU/YR



- Truck: deliver and collect; efficiency roundtrip
- Barge owner: return for repositioning

Long dwelltimers

Av 160/day



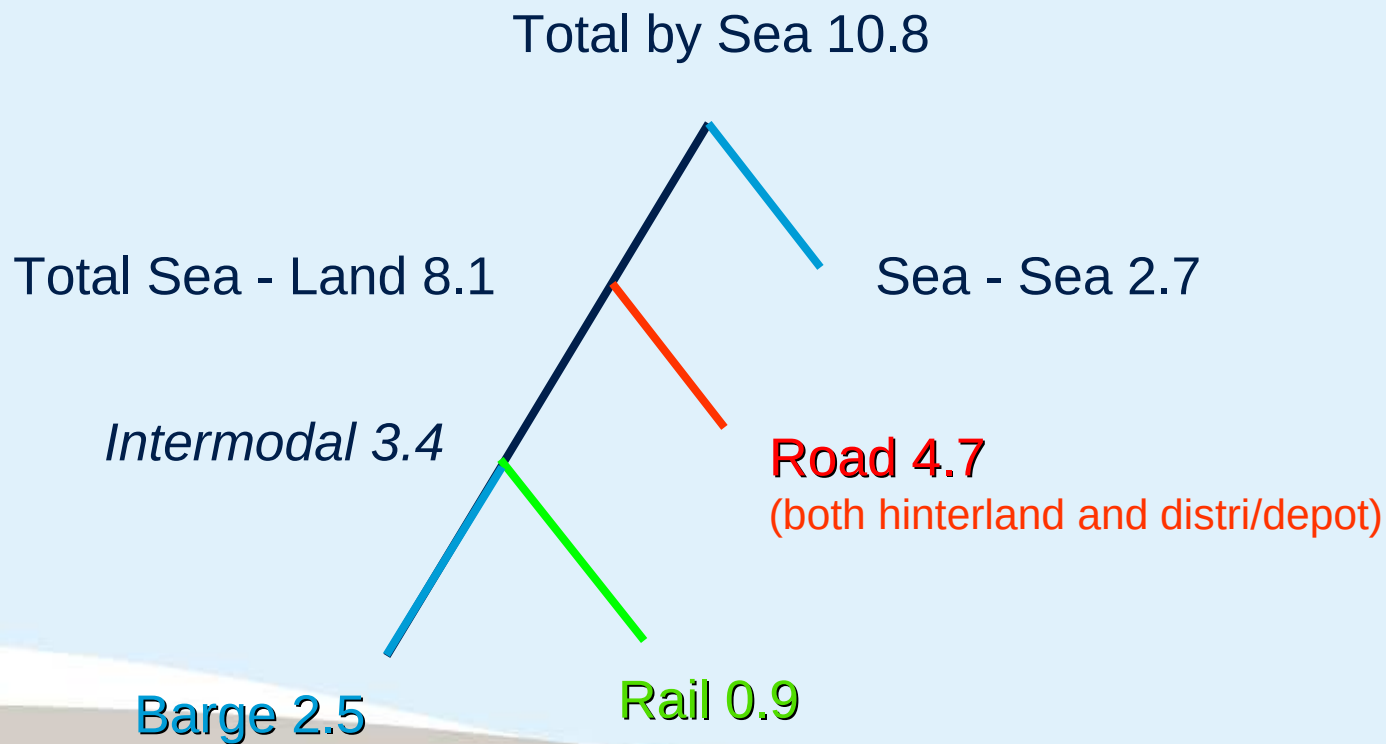
- SPT: shorter dwell time
- Operator/forwarder: warehouse

Potential Market Truck-Barge

Container Transferium

Breakdown Container Throughput 2007

x 1 mln TEU

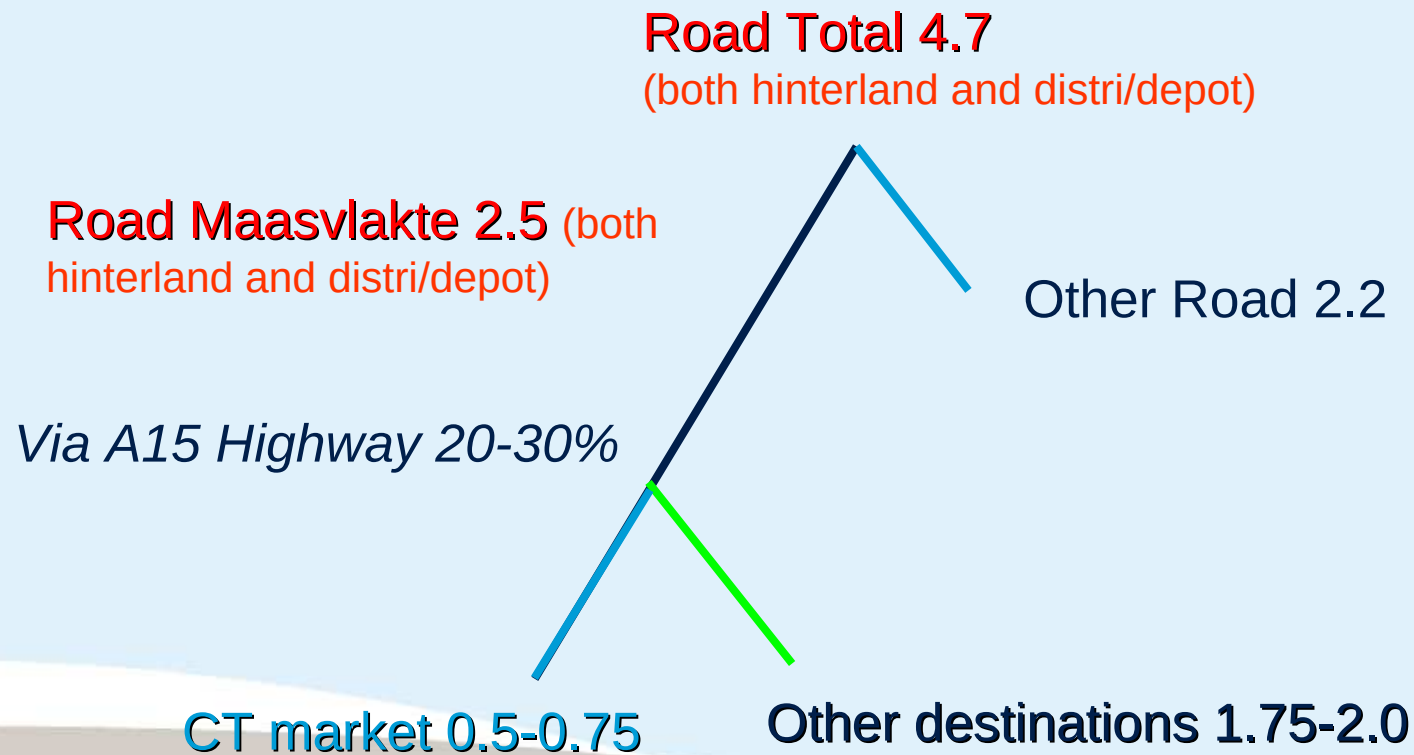


Potential Market truck-barge Container Transferium



Breakdown Container Throughput 2007

x 1 mln TEU



Planning



- Ending of Quick scan Phase 1 January 2007
- Phase 2, feasibility study, location Feb. - July 2007
- Phase 3, business case & public support Aug. - June 2009
- Phase 4, Procedures, EIA 2010/2011
- Phase 5, Building 2011/2012
- CT operational, greenfield site 2012/2013



Thank you for your
attention!