Stimulating intermodal transport by creating transparancy

Roy van den Berg – Business manager Logistics
Transport & Logistiek – 12 November 2014
Port and industrial area

Over 40 kilometres!
European Top 20 ports
2013 - 2012

Total throughput in million metric tons

Source: Port Authorities

* 2013 Provisional figures
Ratio goods segment

- Liquid bulk: 47%
- Containers: 28%
- Dry bulk: 20%
- Breakbulk: 5%
Global hub & gateway

• All major shipping lines have weekly services calling at Rotterdam

• High ratio of “First/Last Port of Call” services
Ideal shortsea & feeder hub

<table>
<thead>
<tr>
<th>Country</th>
<th>Weekly frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>UK &amp; Ireland</td>
<td>&gt;75</td>
</tr>
<tr>
<td>Scandinavia &amp; Iceland</td>
<td>&gt;15</td>
</tr>
<tr>
<td>Russia &amp; Baltic</td>
<td>&gt;29</td>
</tr>
<tr>
<td>Mediterranean</td>
<td>&gt;8</td>
</tr>
<tr>
<td>Iberia</td>
<td>&gt;13</td>
</tr>
<tr>
<td>Total</td>
<td>&gt;140</td>
</tr>
</tbody>
</table>
Barge connections

Weekly frequency
Excellent rail connections

Weekly frequency
Maasvlakte 2

New container terminals are rising
Expected growth of container throughput

Unit: mln TEU

2008: 7.9
2009: 6.9
2010: 7.6
2015: 10.8
2020: 14.0
2025: 16.0
2030: 20.0

Hinterland volume
Total container throughput
Modal Split Containers

Modal split targets 2035:
- Road: < 35%
- Barge: > 45%
- Rail: > 20%
Why a modal shift (I)

Shipper / forwarder

• Costs;
• Reliability / flexibility;
• Sustainability.

Trucking company

• Congestion (unreliability / time);
• Road pricing / working hours;
• Diversification.

Inland shipping the Port of Rotterdam
Why a modal shift (II)

**Shipping line**
- Better in line with operations;
- Bundling of volumes;
- Equipment control.

**Deep sea terminal**
- Improving terminal operations;
- New business.

**Port Authority**
- Competitive position
  - Market share
  - Accessibility
- Sustainability
Complex supply chain
The solution

✓ Development of neutral online platform

✓ In COOPERATION with inland terminals

✓ Focus on increasing TRANSPARANCY
May 2011 – Find Rotterdam connected inland terminals

May 2013 - Find intermodal routes to Rotterdam

November 2013 - Find containers depots

January 2014 - Insight in the carbon footprint of inland terminals

November 2014 - Find connections of barge & rail operators
Search for inland terminals
Facts & Figures

- 75 terminals online
- 95% of the terminals provide pre-end haulage
- 65% is allowed to (un)loading dangerous goods.
- 89% provide container cleaning
- 85% have camera surveillance
- 54% is AEO Customs certified
- 55% provide track & trace information
- Average carbon footprint 10 kg per container

Connected inland terminals
Intermodal connections & operator profiles
### Operator profile

**SEARCH A CONNECTION**
- From: [Select]
- Radius: 25 km
- Operator(s): [Select an operator] (0 Selected)
- Modality: Barge, Rail

**SEARCH BY LOCATION**
- From: Duisburg (DE)
- Radius: 25 km

**SEARCH BY CRITERIA**

<table>
<thead>
<tr>
<th>FROM TERMINAL</th>
<th>OPERATOR</th>
<th>LOCATION</th>
<th>MODALITY</th>
<th>TRANSIT-TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contargo Neuss GmbH</td>
<td>Distirail</td>
<td>Neuss (22 km)</td>
<td>Rail</td>
<td>0:00</td>
</tr>
<tr>
<td>DCH Düsseldorfer Container-Hafen</td>
<td>Alcotrans Container Line BV/Düsseldorf (22 km)</td>
<td>Barge</td>
<td>23:00</td>
<td>1x</td>
</tr>
<tr>
<td>DCH Düsseldorfer Container-Hafen</td>
<td>Alcotrans Container Line BV/Düsseldorf (22 km)</td>
<td>Rail</td>
<td>0:00</td>
<td>1x</td>
</tr>
<tr>
<td>Duisburg DIT</td>
<td>Distirail</td>
<td>Duisburg (3 km)</td>
<td>Rail</td>
<td>8:00</td>
</tr>
<tr>
<td>Duisburg Intermodal Terminal GmbH (DIT)</td>
<td>Distirail</td>
<td>Duisburg (1 km)</td>
<td>Rail</td>
<td>8:00</td>
</tr>
<tr>
<td>Rhein-Ruhr Terminal</td>
<td>Alcotrans Container Line BV/Düsseldorf (1 km)</td>
<td>Barge</td>
<td>20:00</td>
<td>-</td>
</tr>
<tr>
<td>UCT Umschlag Container Terminal</td>
<td>Alcotrans Container Line BV/Neuss (22 km)</td>
<td>Barge</td>
<td>24:00</td>
<td>-</td>
</tr>
</tbody>
</table>
Operator profile

Alcotrans Container Line BV

Alcotrans organizes container transports between the major seaports and the Netherlands. Thanks to huge transport volumes, they are able to optimize traffic flow to a great extent without losing the flexibility in our services.

Together with 6 terminals along the River Rhine and connections to local terminal terminals, we form the inland transport network, the specialist in the Lower Rhine area and part of the worldwide operating Imperial Group.

STUTTGARTER CONTAINER TERMINAL GMBH

From Rotterdam

<table>
<thead>
<tr>
<th>OPERATOR</th>
<th>MODALITY</th>
<th>TRANSIT TIME</th>
<th>MO</th>
<th>TU</th>
<th>WE</th>
<th>TH</th>
<th>FR</th>
<th>SA</th>
<th>SU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcotrans Container Line BV</td>
<td>Rail</td>
<td>14:00</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dansar Group</td>
<td>Barge</td>
<td>18:00</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>T Rotterdam</td>
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<td></td>
</tr>
</tbody>
</table>

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Container depots

**CONTAINER DEPOTS**

<table>
<thead>
<tr>
<th>NAME</th>
<th>LOCATION</th>
<th>PICK-UP</th>
<th>DROP-OFF</th>
<th>DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barge Terminal Tilburg B.V.</td>
<td>Tilburg</td>
<td>✔️</td>
<td>✔️</td>
<td>show-contact</td>
</tr>
<tr>
<td>BCTN Den Bosch</td>
<td>Den Bosch</td>
<td>✔️</td>
<td>✔️</td>
<td>show-contact</td>
</tr>
</tbody>
</table>

**BCTN DEN BOSCH**

- **Shipping line**
  - CMA CGM (Holland) B.V.
  - Evergreen Shipping Agency (Netherlands) BV
  - Maersk Line
  - MOL (Europe) B.V.
  - NYK Line
  - OOCL

- **Pick up** ✔️
- **Drop off** ✔️
- **Container depot services**
  - Cleaning
  - Repairs
  - E-tickets

**Search shipping line by name**

- Evergreen Lines BV
- Mediterranean B.V.
- CSAV
- CMA CGM (Land) B.V.
- Maersk Line
- APL (Netherlands)
- Cosco Container Lines
- MOL (Europe) B.V.
- Hanjin Shih B, CO&KG

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New partnerships
What are future possibilities?

- Connect with ETA and ETD deep sea lines;
- Provide information over barge audits;
- Track & trace barges;
- Measure reliability of barge connections;
- Matching tool import / export flows;
- Available warehousing.
Questions?

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