NAVIGATING ACROSS THE REGULATORY PATCHWORK

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06 June 2017
WHY REGULATIONS?
REMEMBER THIS ONE?
freight market will render road transport more efficient and competitive. For maritime transport, a “Blue Belt” in the seas around Europe shall simplify the formalities for ships travelling between EU ports, and a suitable framework must be established to take care of European tasks for inland waterway transport. Market access to ports needs to be further improved.

(3) 30% of road freight over 300 km should shift to other modes such as rail or waterborne transport by 2030, and more than 50% by 2050, facilitated by efficient and green freight corridors. To meet this goal will also require appropriate infrastructure to be developed.

29. In maritime, the need for a global level-playing field is equally pronounced. The EU should strive – in cooperation with IMO and other international organisations – for the universal application and enforcement of high standards of safety, security, environmental protection and working conditions, and for eliminating piracy. The
HOLLAND-SWEDEN BY SHIP

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Modal split of freight transport
Mode of transport : Roads
EU 28

<table>
<thead>
<tr>
<th>Year</th>
<th>Modal Split (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>77.5</td>
</tr>
<tr>
<td>2010</td>
<td>76.2</td>
</tr>
<tr>
<td>2011</td>
<td>75.6</td>
</tr>
<tr>
<td>2012</td>
<td>75.3</td>
</tr>
<tr>
<td>2013</td>
<td>75.5</td>
</tr>
<tr>
<td>2014</td>
<td>75.5</td>
</tr>
<tr>
<td>2015</td>
<td>75.8</td>
</tr>
</tbody>
</table>

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Source: [http://appsso.eurostat.ec.europa.eu/nui/submitViewTableAction.do](http://appsso.eurostat.ec.europa.eu/nui/submitViewTableAction.do)
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DFDS POSITIONING

- Customer expectations
- Legal obligations
- Community demands

DFDS
WHAT COMING ?

- EEDI
- MRV
- Waste water
- BWMC
- HK Convention
- FODC
- NECA
- 0.50% Sulphur
WHY REGULATIONS?
OPPOSING GOALS?

CO2 v SOX
OPPOSING GOALS?

CO2 v NOx
OPPOSING GOALS?

Ballast water v scrubbers
POLITICAL "SHOW CASES"

Shore-based power
For the first time, shipping in Rotterdam is using electricity from the quayside. As a result, the ship's engines do not need to keep running and it improves the air quality in the surrounding area.

How does it work?
1. Container with 25 kV converter and transformer converts high voltage (25kV) into medium voltage (11kV).
2. From the shore, the medium voltage cable runs the transformer on board the ship, which converts the medium voltage into 440 volts.
3. The electricity is distributed throughout the ship via the underwater cable.
FUNDING

Why
How

Environment
CO2 levy
"emission free" shipping
"bio fouling"
THANK YOU