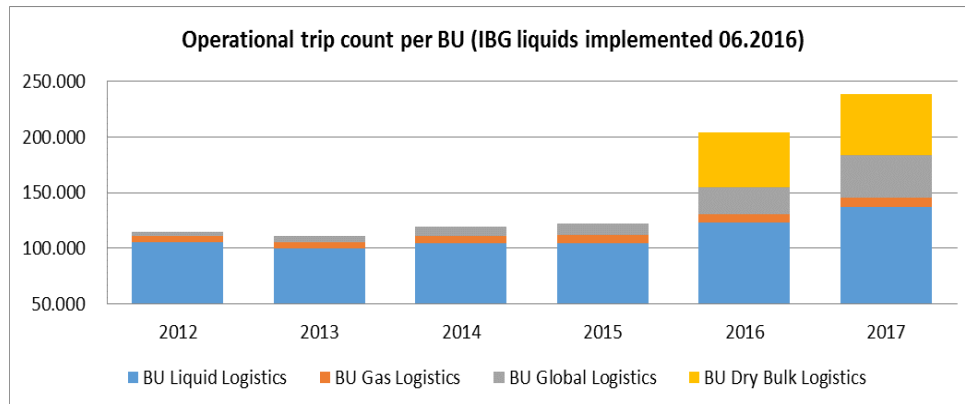
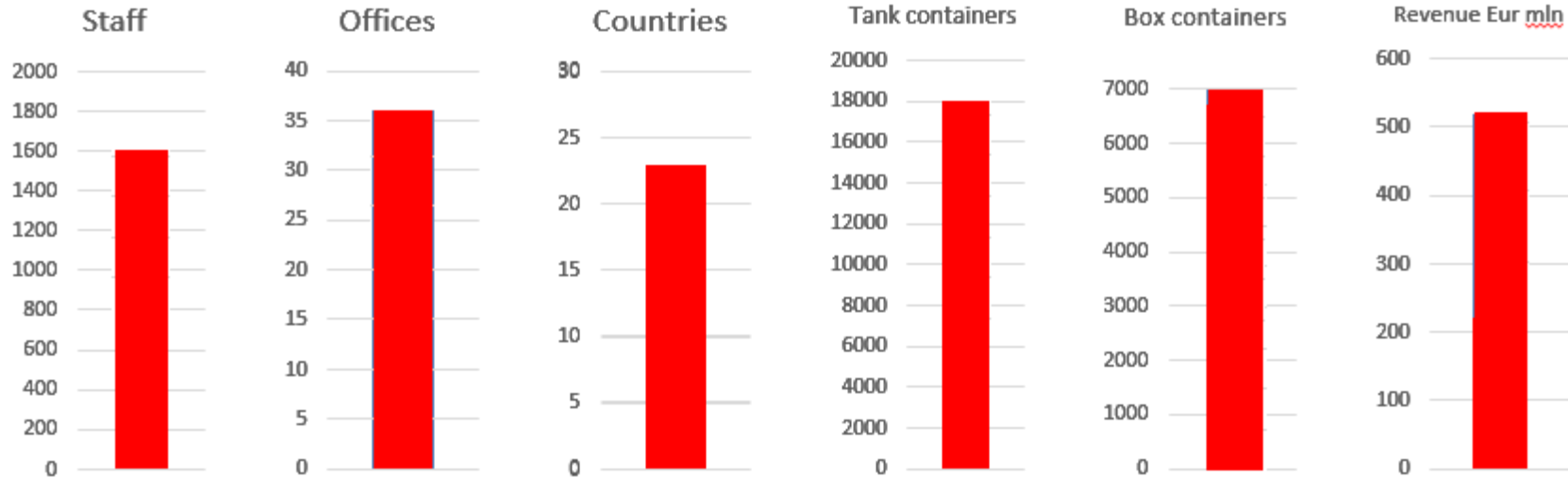


Digitalisation Transformation in Road-Rail Combined Transport – an LSP Perspective

Jacco Bruijnes, Applications & Project Manager, Den Hartogh Logistics

UIRR workshop Brussels, 13 April 2018





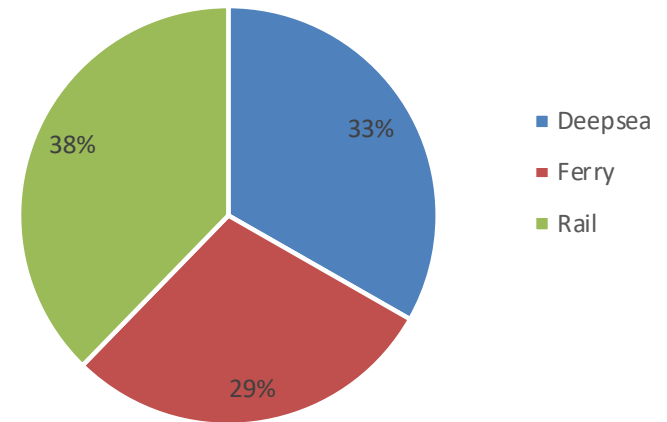
240.000 TRANSPORT ORDERS PERFORMED

- Dry Bulk Logistics + 13 %
- Global Logistics + 9 % ¹⁾
- Gas Logistics + 20%
- Liquid Logistics + 11% ¹⁾

1) DHLL & DHGlobal nOrders per 06.2016 implemented IBG integration



Modal split



EU FOCUS ON MODAL SHIFT CONTINUES...

- Mortara - Chengdu rail service (19-23 days)
- ShuttleWise network expansion throughout Europe
- Geleen – Moerdijk rail service
- .. Terneuzen – Antwerp Barge
- .. Rotterdam Cluster Barge

Innovation & Disruption



Technology push



Consumerization

DHL Ship Track Services About DHL

DHL USA Home | DHL Global

Track by reference

Fields marked with an asterisk (*) are required.

Track it by reference... Enter the complete Reference for your shipments, space and click Track. To narrow the search, enter additional info.

Reference * 6521221454 INPUT TR

Shipment pickup date range * From: Mar 1 20 To: Mar 31 20

Additional information the DATE must correct

Customer Number

Origin Postal Code

Origin Tariff Point

Log in to DHL

User ID

Password

Remember my User ID

OPEL ZAFIRA 2017, GRU5 | NV-181-F

BRANDSTOF 60% OLELEVENDOUR 78%

Restoerd 505 km Milarevertoel: 2.057 km

7,3 8100 km GEMID. BRANDSTOFVERBRUK

308 kPa BANDENSPIJNING 316 kPa

Feb 1, 09:38 | Melding... Onlange hebben we het verzoek ontvangen om het...

Feb 1, 03:33 | Melding... We hebben geconstateerd dat de reizende le...

Nov 5, 2017 12:42 | Waarschuwung - Actie... Verplichte actie...

VERVOERTIJSERVICE

Vervoldatum: Feb 2 0 5 2 8 4

MEER INFO MEER INFO ALLES LEZEN SERVICEAANSPRAK.

RailFreight.com

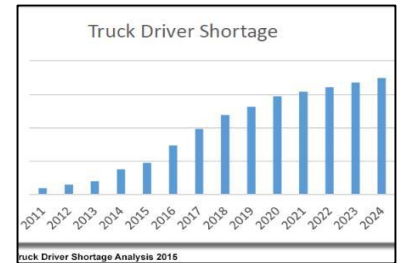
HOME CORRIDORS BUSINESS POLICY INTERMODAL SPECIALS ADVERTISE

The Rastatt incident: lessons learnt and steps to take

Cancellations rail freight services France as SNCF strikes kick off

Published on 04-04-2018 at 09:30

Supply chain pressure



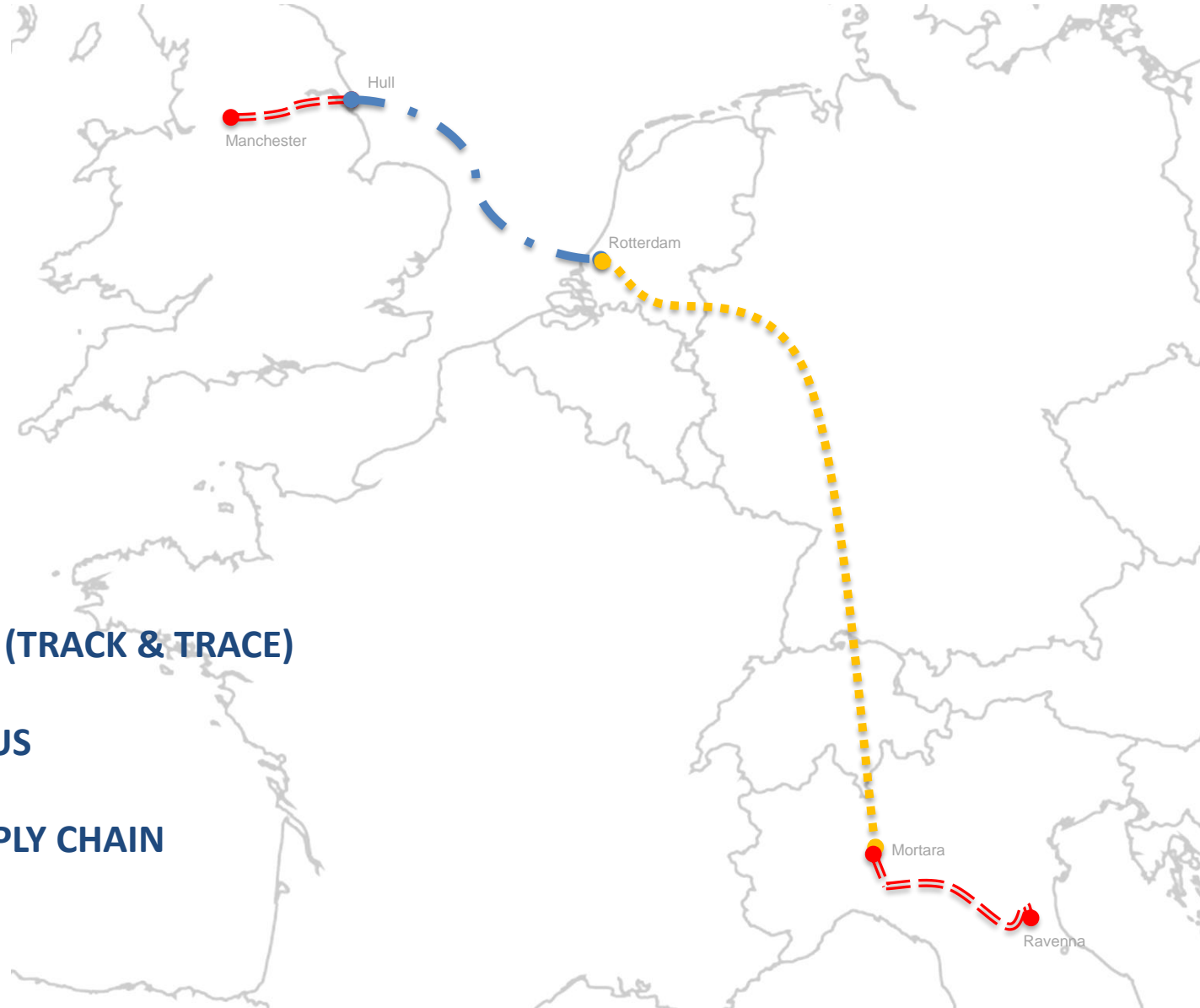
Statement 1 :

Everything you want is possible, *if you pay for it*

Statement 2:

Supply Chain Visibility is a means, not a goal!

- Truck
- Ferry
- Rail



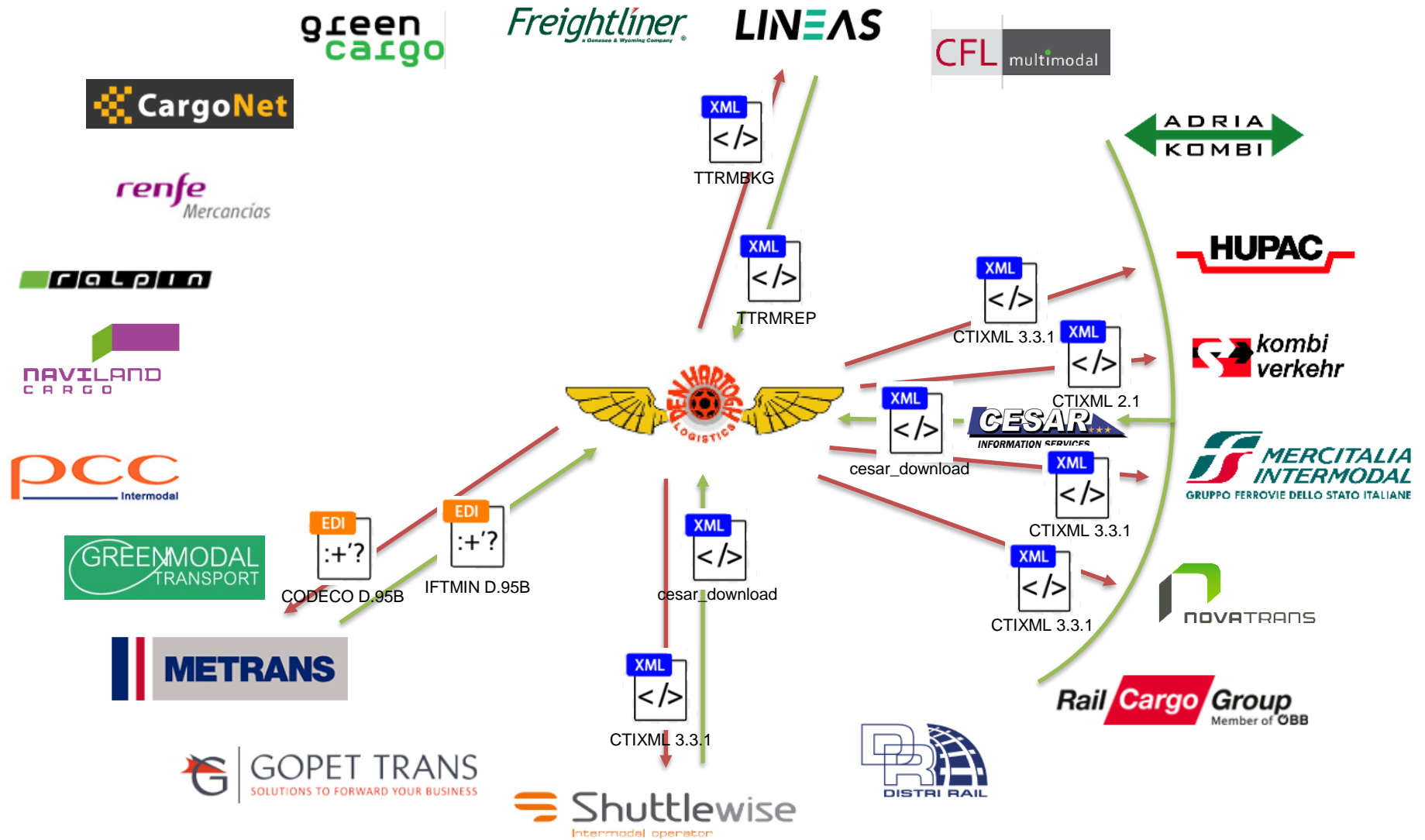
REAL-TIME VISIBILITY (TRACK & TRACE)

VERSUS

ROBUST SUPPLY CHAIN

Basic requirements are simple -

- Digital exchange of milestone information
 - Booking
 - Booking confirmation (incl. ETD / ETA)
 - Departure confirmation at origin terminal
 - Arrival confirmation at final terminal
- Digital exchange of status information at transit locations (rail shunts)
- **Pro-active notification of delays (incl. revised ETA)**
- All in “real-time”



- Supply Chain Visibility and creation of robust supply chains will continue to be important topics for the chemical logistics industry
- Digital transformation is a pre-requisite for enabling robust supply chains
- Success of digital transformation depends on
 - Standardization of exchange formats
 - Public availability of shared codesets
 - Broad adoption across the industry
- Blockchain technology promises exciting new possibilities but short-term traditional EDI solutions will be the backbone for digital transformation



Questions ?

