

RheinPorts Information System (RPIS)

Demo and Project Presentation

PORT DIGITALISATION CONFERENCE

**Danube Ports in the Digital Age:
Challenges & Opportunities**

VIENNA, 11 April 2019



Background

Global Experience, Operational Innovation and Down-to-earth Attitude

History & experience

Founded in 1976 as subsidiary of HHLA

Around 100 experts

One of the leading consultants in the port and transport sector

1,500+ projects globally

Thereof, various projects for intermodal rail terminals

Operator focus

- First hand operations experience from mother company that operates multiple seaport and intermodal rail terminals across Europe
- Developed and operated its own container terminal in Odessa



Marine Container Terminals



Governments, Communities, Ports



Intermodal Rail Terminals



Multipurpose Terminals



Bulk Terminals



Cruise Terminals



Airports



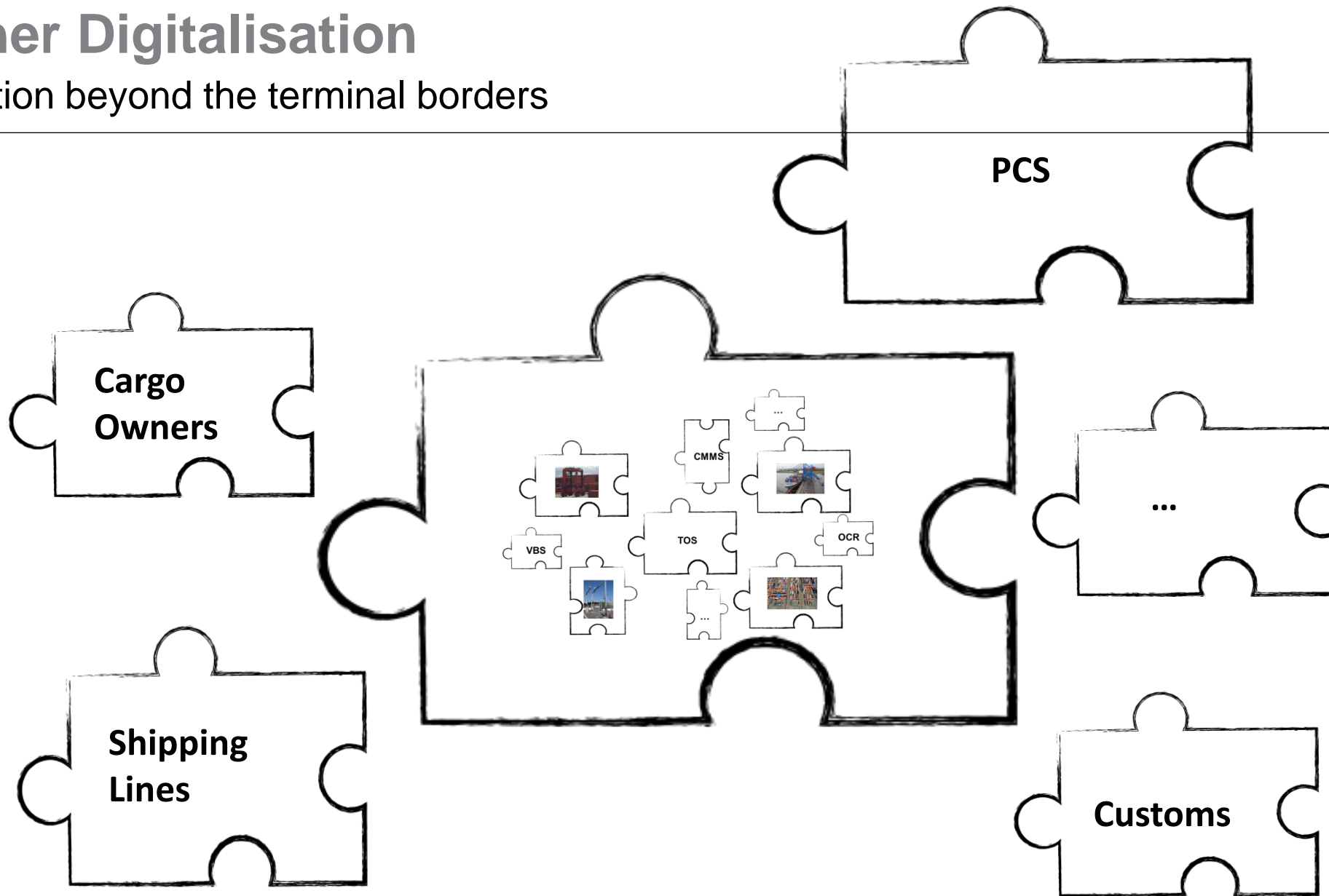
Marine Shipping

Digitalisation

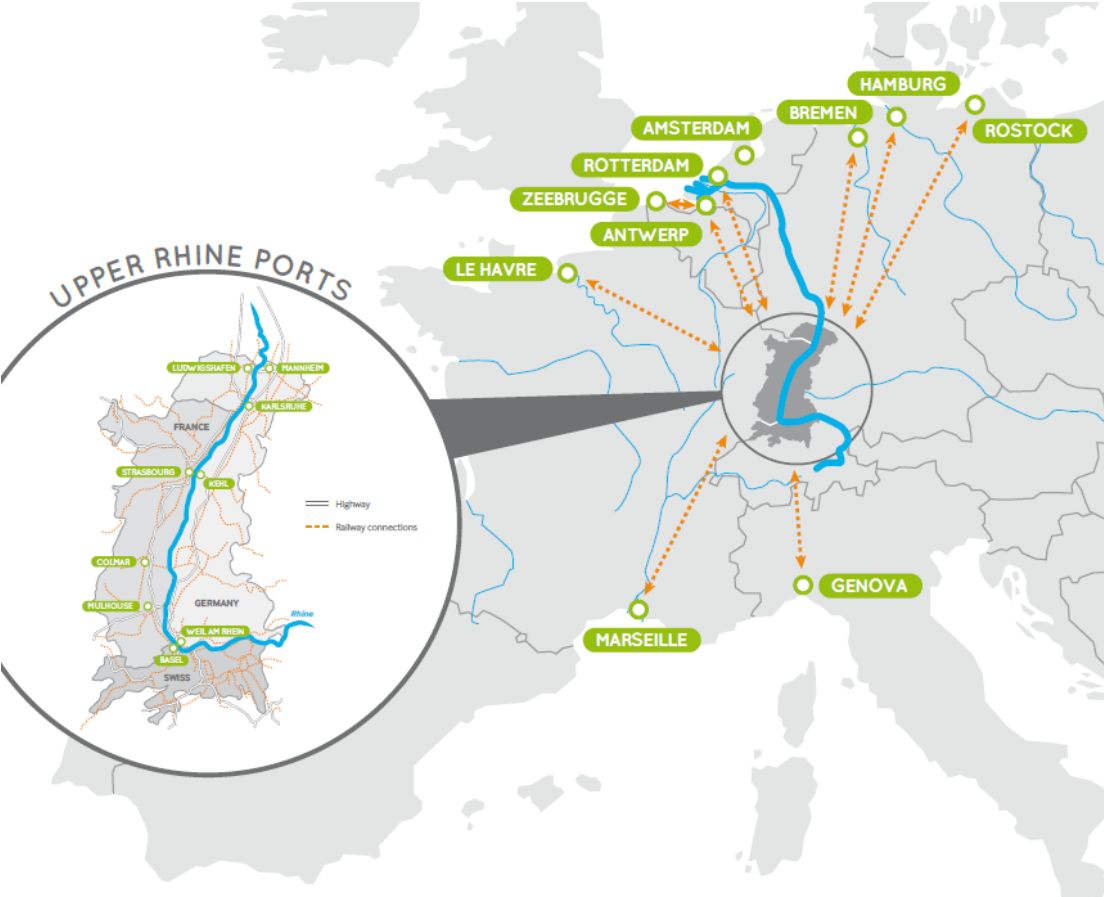


Further Digitalisation

Integration beyond the terminal borders

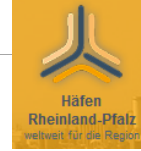
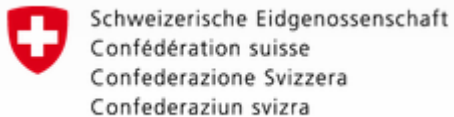


RheinPorts & Upper Rhine



RheinPorts & Upper Rhine

RPIS – Stakeholders



COLMAR/NEUF-BRISACH

MULHOUSE

WEIL AM RHEIN

BASEL

STRASBOURG

KEHL

KARLSRUHE

LÜDWIGSHAPEN/WÖRTH

MANNHEIM



Scope of RPIS – RheinPorts Information System

RPIS Dashboard | test user2 | Barge operator

Planning requests

Call Id	Barge	ETA	State
667	CONCORDE	05-06-2018 10:00	Executed
668	CONCORDE	05-06-2018 14:00	Late request
669	PHILOS	06-06-2018 10:00	Sent
664	CONCORDE	07-06-2018 08:00	To send
670	CONTARGO1	07-06-2018 11:00	Sent

Last received ATA's for PHILOS

Map showing location of PHILOS (ATA: 04-06-2018 17:15, status: moored) near Fessenheim.

RPIS Dashboard | Jennifer Sommer | Terminal operator admin

Discharge / Load list

General information

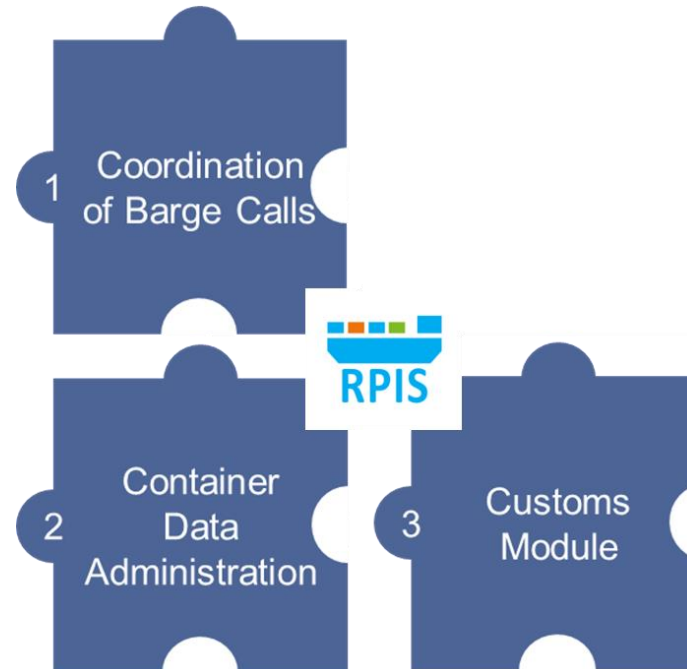
Call Id: 667
Terminal: PORTS DE MULHOUSE-RHIN OTTMARSHEIM
Barge operator: CONTARGO WATERWAY LOGISTIC BV
ETA: 04-06-2018 16:58
Barge name: CONCORDE

Containers

Discharge/Load	Container number	Container type	Gross weight (kg)	Full/Empty	Export/Import	Booking number	AT
Discharge	RPI50406181	20G1	19656	Full	Import	456789	04-06-2018 17:01
Discharge	RPI50406183	45G1	19656	Full	Import	456789	04-06-2018 17:05
Discharge	RPI50506182	20G1	19656	Full	Import	456789	04-06-2018 17:07

Detail RPI50506182

Shipping company: Seal number: Additional info:



Verkehrs anmeldung

Schiffname: 6676
Richtung: Süd Nord / Süd Nord
Abfahrt Terminal: SWISSTERMINAL BRISFELDEN
Wasserschleuse Anfahrtdatum: 28-05-2018 08:00

Transportunternehmen: CONTARGO WATERWAY LOGISTIC BV
Typ: Freiwasserliche M/Richtung
Ankunft Terminal: CONTAINER CENTER WELAN BREIN
Wasserschleuse Anfahrtdatum: 28-05-2018 14:00

Terminal	Urtarif / Lade	Container	Beauftragter	Wdg/Lade	Zeitpunkt	Beauftragung
EURO TERMINAL A214	Laden	SUD08995318	890202	Wdg	22-05-2018 14:27 AT	
EURO TERMINAL A214	Laden	WMM1148041	19656	Wdg	22-05-2018 14:33 AT	

Containergewicht beladen: 2 Lade 0 Unbeladen: 0

Gemeinschaftsname: SUD08995318
Ordnung: DE12122568
Flasche: 800

WMM1148041
17062006426794193
ALUMINIUM
17356

Bemerkungen: Wdg

Kapitän: Captain Cook
Anspruchspartner: Transportunternehmen Text über
Datum: 04-06-2018

Telefon Kapitan: 63233390
Umschicht:

04-06-2018 10:48

Mitteilung über Pendelverkehr

Schiffname: 6676
Richtung: Süd Nord / Süd Nord
Abfahrt Terminal: SWISSTERMINAL BRISFELDEN
Wasserschleuse Anfahrtdatum: 28-05-2018 08:00

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EURO TERMINAL A214	Laden	WMM1148041	19656	Wdg	22-05-2018 14:33 AT	

Containergewicht beladen: 1 Lade 0 Unbeladen: 0

Gemeinschaftsname: SUD08995318
Ordnung: DE12122568
Flasche: 800

WMM1148041
17062006426794193
ALUMINIUM
17356

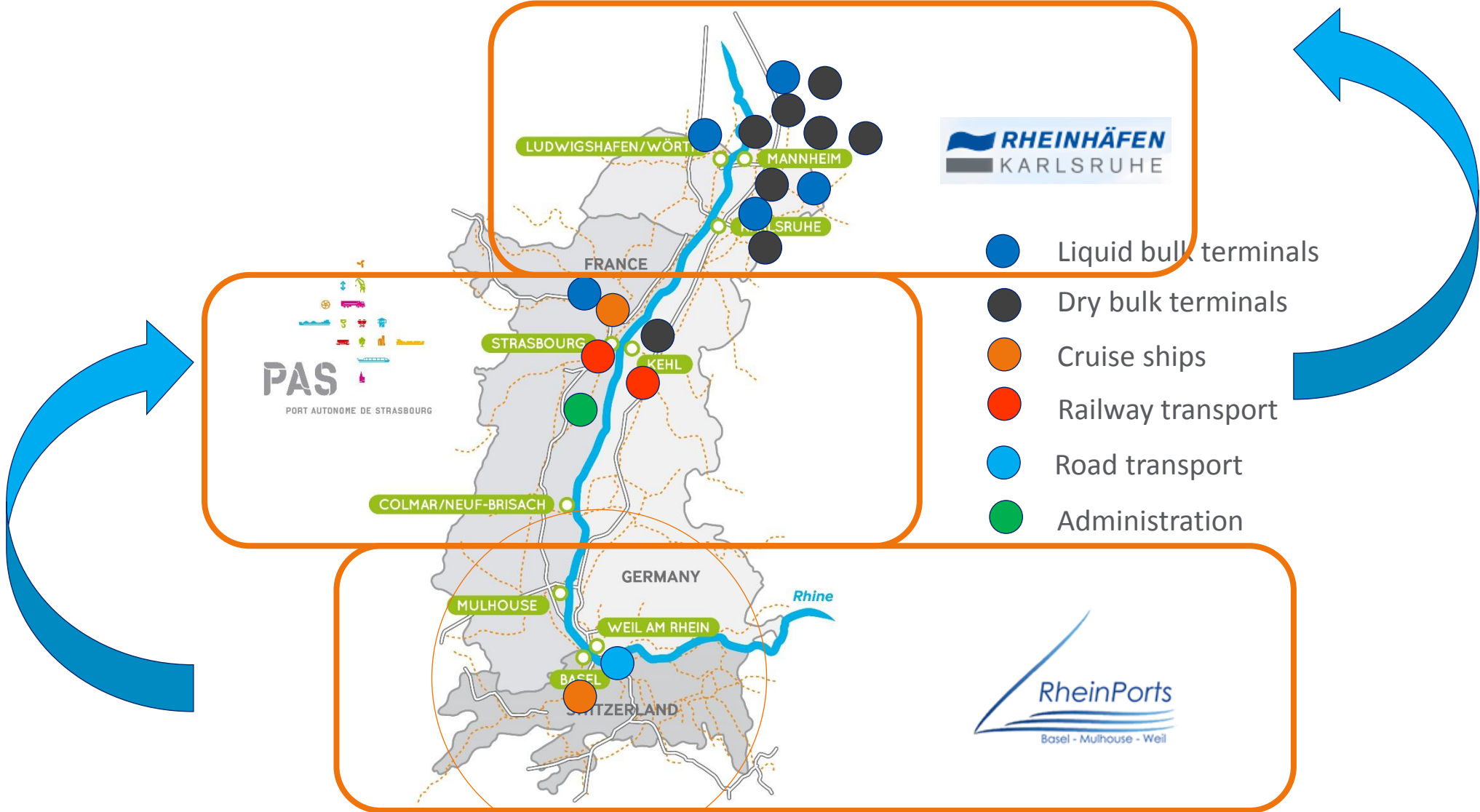
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Roadmap



Key Takeaways



- Clearly defined project ownership and responsibilities
- Stakeholder, change & integration management
- Modular design of IT systems & Flexible interfaces
- Minimally invasive integration
- High degree of standardisation
- Involvement of new technologies
 - IoT & Big data approach
 - Block chain
 - Drones

Thank You for Your Attention



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