

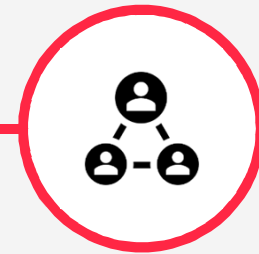
PORT+ IN A NUTSHELL



Our core business has been
port call optimization for
over 100 years.



€3,5 million annual
turnover
25 motivated colleagues



Owned by port
community (ABAS, ASV,
BRV, KVBG, VEA)

port+
Independent Port Services

PORT DEPARTURES

↗

BEANR

PORT


SEARCH FOR PORT

🔍

🖨


DEPARTURE FROM ANTWERP (38), ALSO DEPARTURES FROM: ZEEBRUGGE (4)

PORT CNSHA ✕ clear all 🗑





Global Liner
Agencies





Seamless relationship
the Pacific Specialist



PORT PARTNER

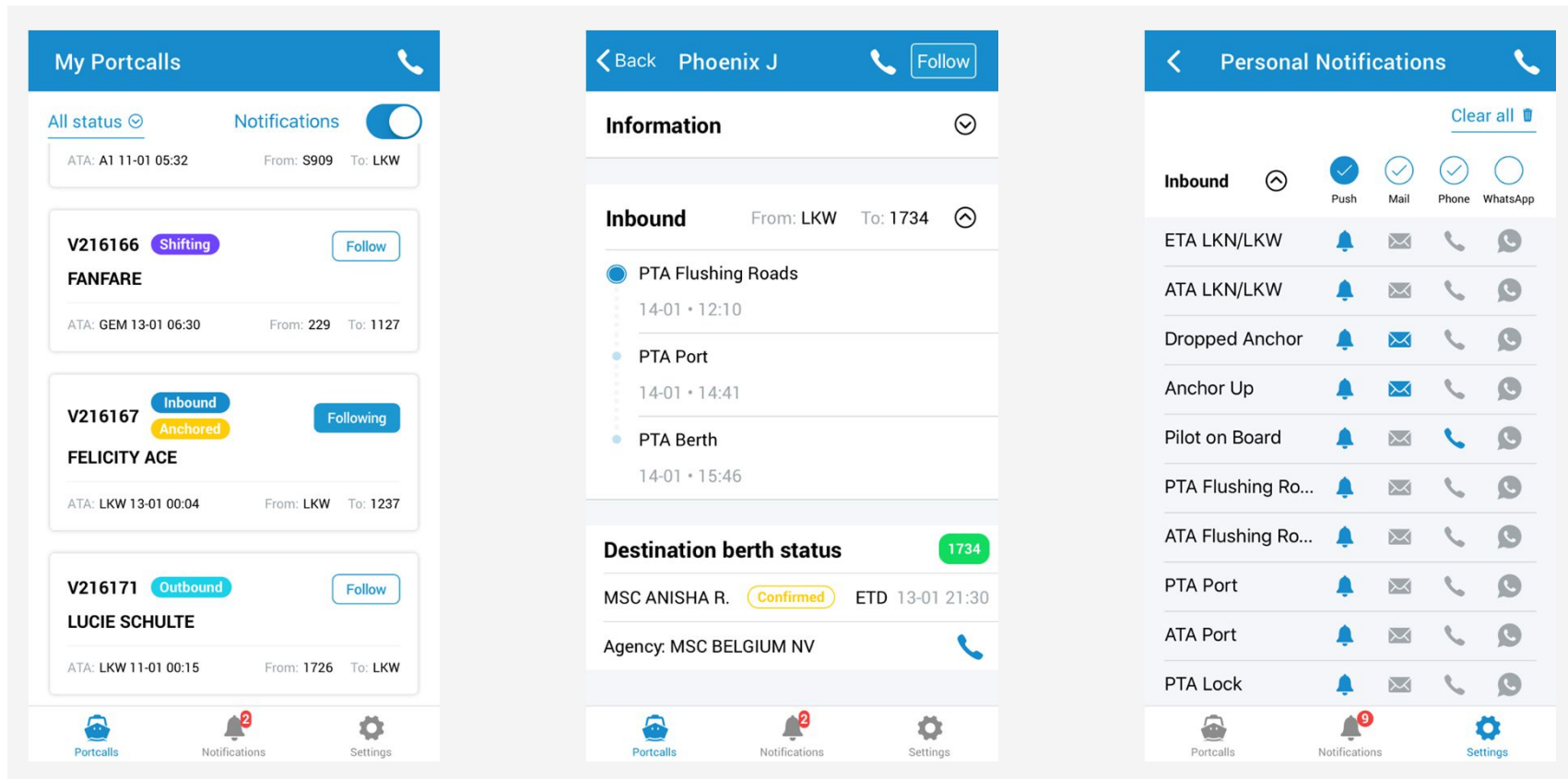
Our Partners:



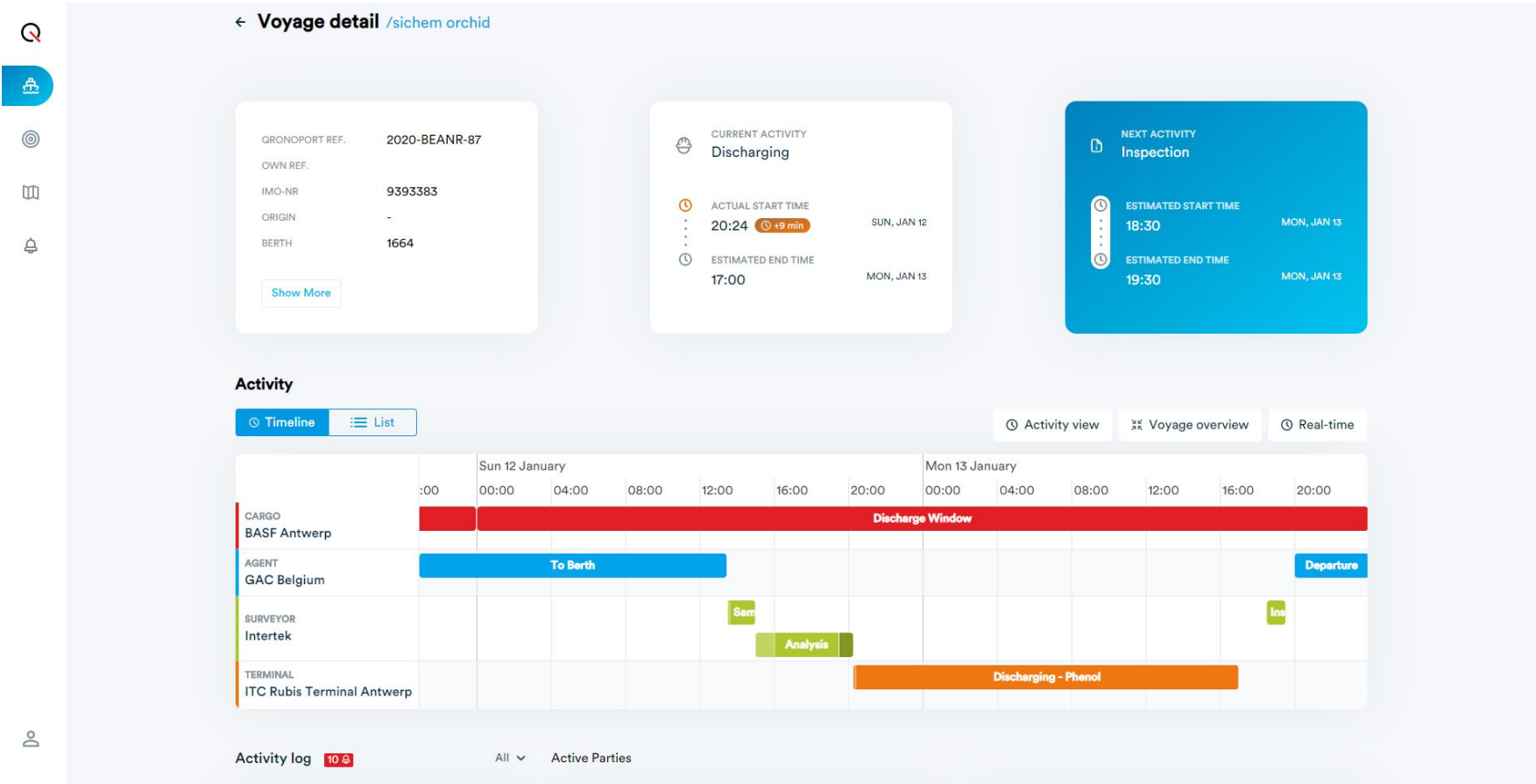
RFQ	CARRIER	AGENT	TELEPHONE AGENT	FREQ	PORT	SERVICE	MORE
<input type="checkbox"/>		INTERNATIONAL MARITIME SHIPPING (IMS) NV	+32 3 271 12 29	1/W	CNSHA	FCL, BB, HL, RORO, SEQ	>
<input type="checkbox"/>		SEABOW NV	+32 3 220 64 54	1/W	CNSHA	FCL	>
<input type="checkbox"/>		WALLENIUS WILHELMSEN LOGISTICS BELGIUM	+32 3 444 97 35	3/M	CNSHA	BB, RORO	>
<input type="checkbox"/>		ZEAMARINE BELGIUM NV	+32 3 544 94 01	2/M	CNSHA	BB, HL	>
<input type="checkbox"/>	APL	APL (BELGIUM) CO.PTE.LTD (A DIVISION OF CMA CGM BELGIUM NV)	+32 3 609 60 01	1/W	CNSHA	FCL, REF	>
<input type="checkbox"/>	BBC	BBC CHARTERING BELGIUM NV	+32 3 540 56 48	SSI	CNSHA	BB, HL	>
<input type="checkbox"/>	BIM	BELGO-IBERIAN MARITIME NV	+32 3 545 91 74	1/M	CNSHA	BB, HL	>
<input type="checkbox"/>	CHIPOLBROK	BOECKMANS BELGIE NV	+32 3 202 02 73	1/M	CNSHA	BB, HL	>
<input type="checkbox"/>	CARGO LINES	CARGA NV	+32 3 5439402	1/W	CNSHA	LCL	>

38 results 🗕

PORTCALL MOBILE



QRONOPORT



OUR APPROACH

Define together
Work together with the community to define challenges & opportunities

Direct feedback
Test products based on direct feedback and evaluation

Great products
Build products based on real user requirements



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QRONO
Pushing boundaries
in port efficiency PORT

PORT CALL OPTIMIZATION

A shared collaborative platform to optimize liquid bulk
vessel's operations and turnaround times





Operations on a liquid bulk vessel are very complex.

Even compared to other vessel types such as container vessels.



COMPLEXITY OF THE **PITSTOP**

INEFFICIENT PITSTOP

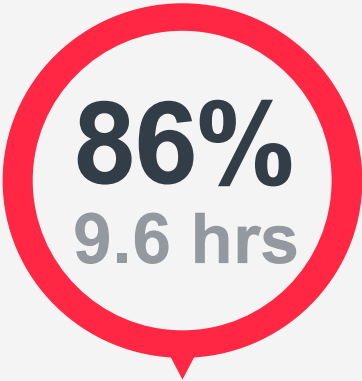
SOME NUMBERS FOR ARRIVING AND DEPARTING VESSELS



3 Times

Provided ETDs

Average number of ETDs provided by a shipping agent for liquid vessels.



86%
9.6 hrs

Delay hours


Average delay for liquid vessels due to unpredictability of ETD.



73,900
25,850

Waiting hours

Total waiting hours 2018 and total waiting hours because of occupied berth.



62%
35%

Waiting rate

Total proportion of delayed vessels and delayed vessels because of occupied berth.

WASTE

DUE TO UNPREDICTABILITY

Inbound

Alongside

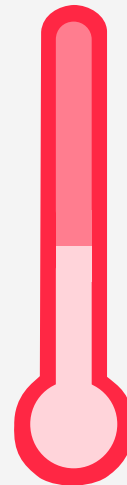
Pre arrival delays

25%*

Due to unpredictability
of berth availability

Due to unpredictability
of departure times

* Percentage of total
port call duration



Operational delays

Due to unpredictability
of operations

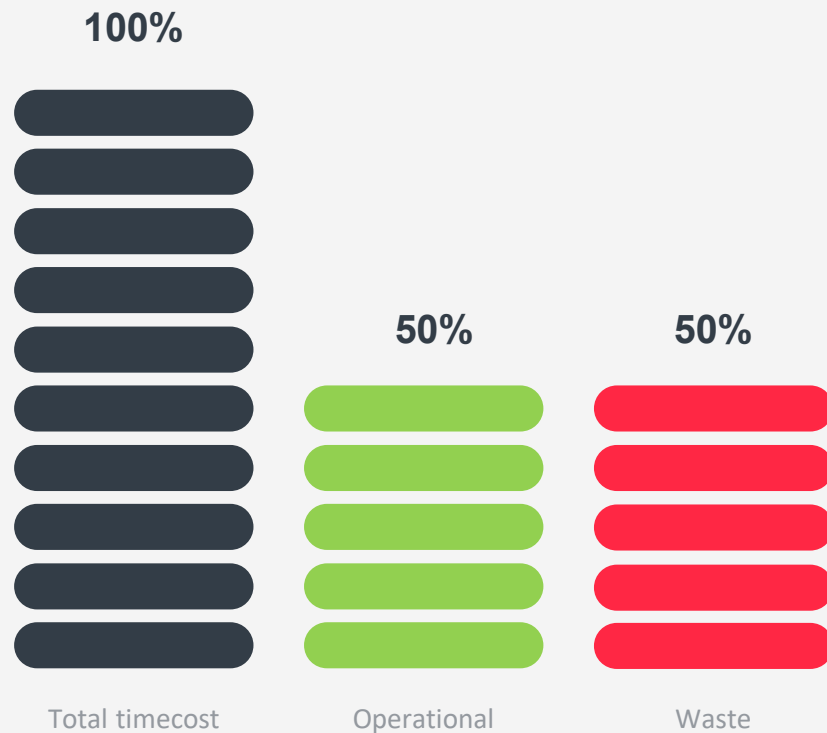
15%*

Nautical delays

Due to unpredictability
of departure times

10%*

HOW MUCH IS WASTE?



On average, up to 50% of the port call duration, is waste.

€121M

The wet time charter rates alone during this waste, account for up to €121M per year within the Port of Antwerp.

Demurrage rates and waiting times at subsequent ports are even higher.



5 COMPLEX FACTORS

A variety of factors make operations on liquid bulk vessels challenging.

This creates inefficiencies, conflicts in planning and waiting times.

COMPLEXITY OF LIQUID BULK OPS



WHO ARE THE STAKEHOLDERS

7 stakeholders that have the biggest impact on the operational process.

Make planned and realized activities transparent.

Increase predictability of the process and eliminate waste/inefficiencies from the operational process.





WHO ARE WE
TALKING TO?

SIX PILOT PROJECTS



Product tanker
Import
-20% waste



Product tanker
Import
-15% waste



Parcel tanker
Single terminal



Parcel tanker
Multi terminal



Parcel tanker
Supply chain opt.

Chemical
company

Tankbarge
Jetty optimization

PILOT PROJECT EARLY EVALUATION

