

# DIGITAL COLLABORATION

An overview of the challenges that result from digital  
collaboration in the maritime sector.



## 01

### Port Call Optimization

Optimize **vessel turnaround** and **predictability** of port calls and port related activities.

## 02

### Our data sources

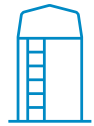
**Data driven** organization with access to **private** and **public datasets**.

## 03

### Community Builder

Owned by the port community. Bring together the port ecosystem through collaboration.

# FIRST WAVE OF INNOVATION



## Internal focus

Strong internal  
digitization

TMS, LIMS, SCO  
IoT, AI



## Risks

Cybersecurity  
risks

Infrastructure  
failure



## Opportunities

Sharing data  
externally

Digital collaboration

# AN EFFICIENT PITSTOP

1950 – Fastest pitstop 65 seconds  
2019 – Fastest pitstop 1.82 seconds

Internal process optimization  
Access to data of all stakeholders  
Communication and teamwork



# INEFFICIENT PITSTOP

SOME NUMBERS FOR ARRIVING AND DEPARTING VESSELS  
ANTWERP

**40%**  
12 hrs

## Arrival delays

Total proportion of delays and average anchorage waiting time in hours.

**86%**  
9.6 hrs

## Departure delays

Average delay for tankers due to unpredictability of the ETD.

**50%**  
25%

## Berth delays

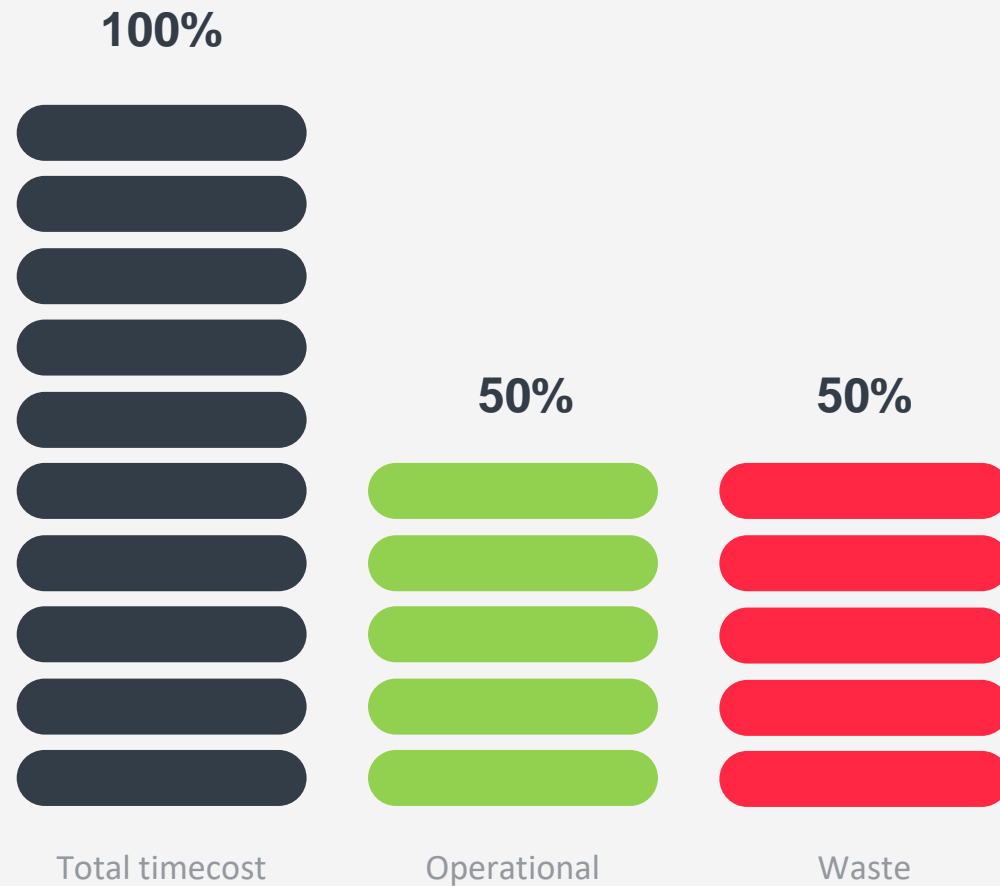
Average total port call waste for tankers and average berth idle time for tankers.

**73,900**  
25,850

## Arrival waiting

Total waiting hours and total waiting hours because of occupied berth – tankers.

# SECOND WAVE OF INNOVATION



Co-operative projects are on the rise. Potential savings in the millions for some stakeholders.

**€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.



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# NEW RISKS

A variety of new challenges arise in digital collaboration.

Those challenges should be top of mind when implementing solutions.

# LET'S GET IN TOUCH

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