



# Blockchain

improving trust, traceability,  
and fraud prevention  
in maritime logistics



Frederik Van Outryve  
CCO T-Mining



# Moving a container from A to B

> 30 different parties involved

> 200 communication interactions

source: NYT March 4, 2017; Forbes March 5, 2017

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Poor efficiency  
due to a lack of trust

1 out of 4  
trucks is driving empty  
on our highways

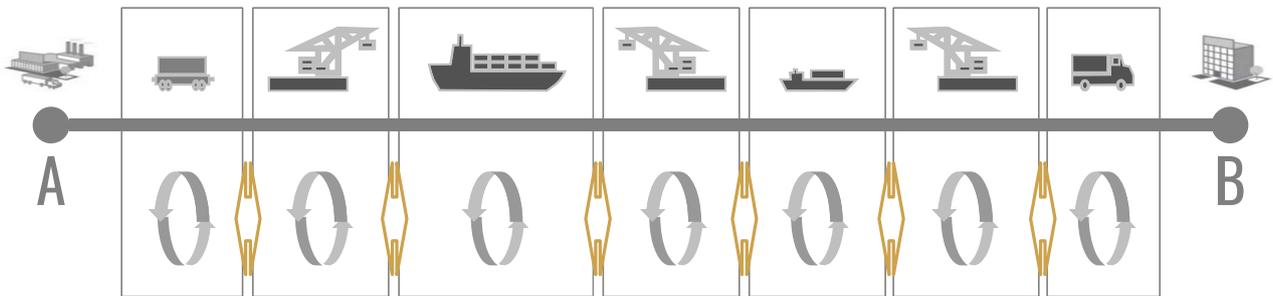
Up to 50% of the cost of  
moving a container is related  
to paperwork

Terminal reposition  
a container  
4 to 5  
times

source: NYT March 4, 2017; Forbes March 5, 2017 & customer meetings

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# Current information flow: Interconnected data silo's



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Credibility

Secure Document Workflow

Port of Antwerp

administrative cost of  
**€8 billion**  
related to processing of  
freight transport documents  
in the EU

source: EC proposal on electronic freight transportation information, 2018

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# Fraud prevention

30 tons of narcotics  
found in the Port of Antwerp  
in 2017

## Secure Container Release



source: De Standaard, 2017

# Traceability

today a terminal needs to  
reposition a container

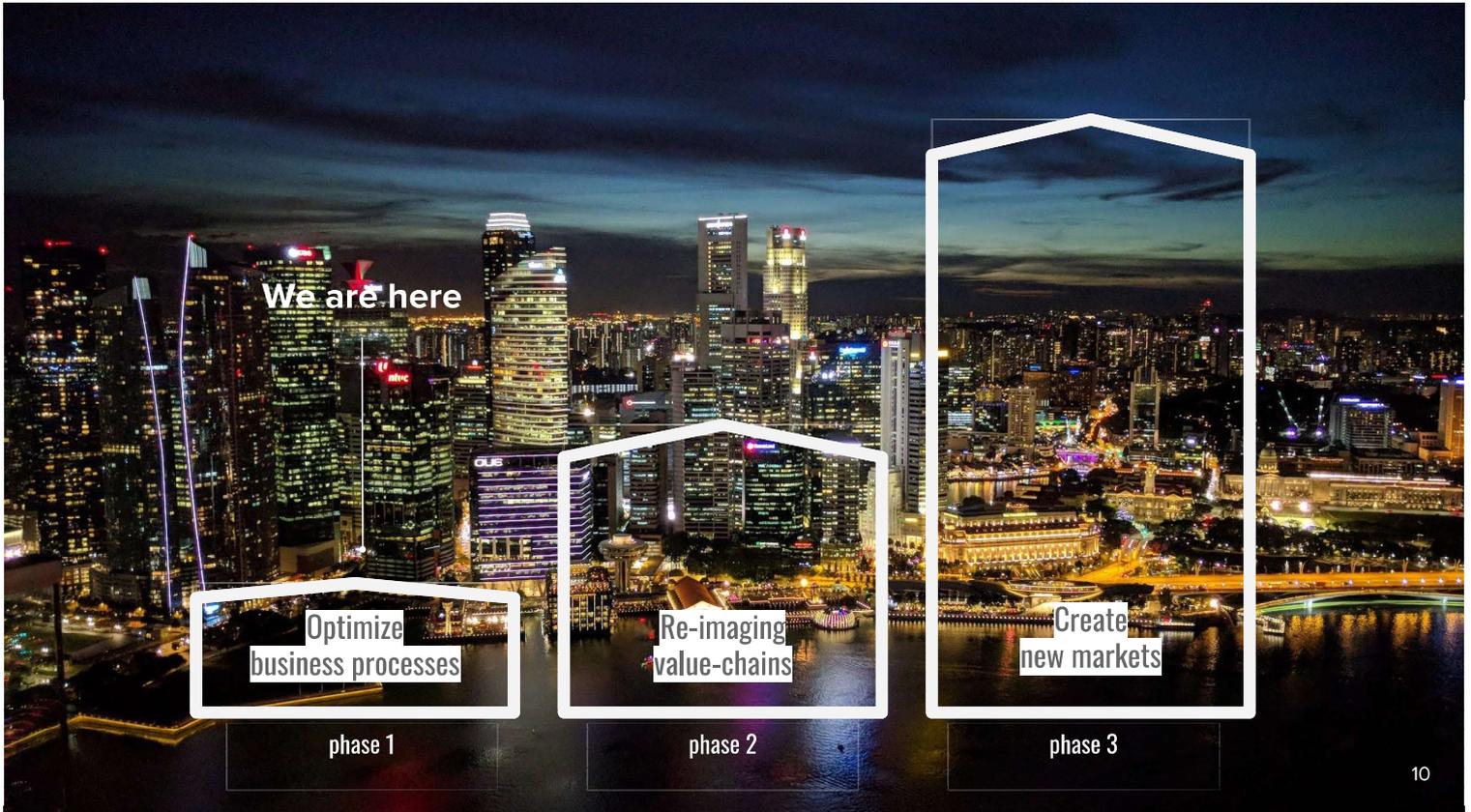
4 to 5

times before releasing it

## Chainwise collaboration



source: management estimates



We are here

Optimize  
business processes

phase 1

Re-imagining  
value-chains

phase 2

Create  
new markets

phase 3

The market for blockchain solutions is still nascent

**Our  
Framework**  
makes blockchain  
pilots scalable



**“Coopetition  
Paradox”**  
learning how to  
cooperate as  
competitors

Challenges for blockchain pilots

**Create the  
consortium**

**Find the  
use case**

**Govern the  
network**

Thank you



Nico Wauters  
CEO T-Mining