

PORTCHAIN

BERTH ALIGNMENT NETWORK OF THE FUTURE

TPM Tech: Coordinating Vessel Arrivals – A Conversation with Portchain

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Thor Thorup
Chief Commercial Officer & Co-Founder
Portchain
thor@portchain.com

TPM²⁴ by **S&P Global**

PORTCHAIN was founded to address the significant waste between container liners and terminals from poor coordination, data sharing and planning



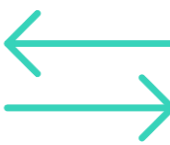




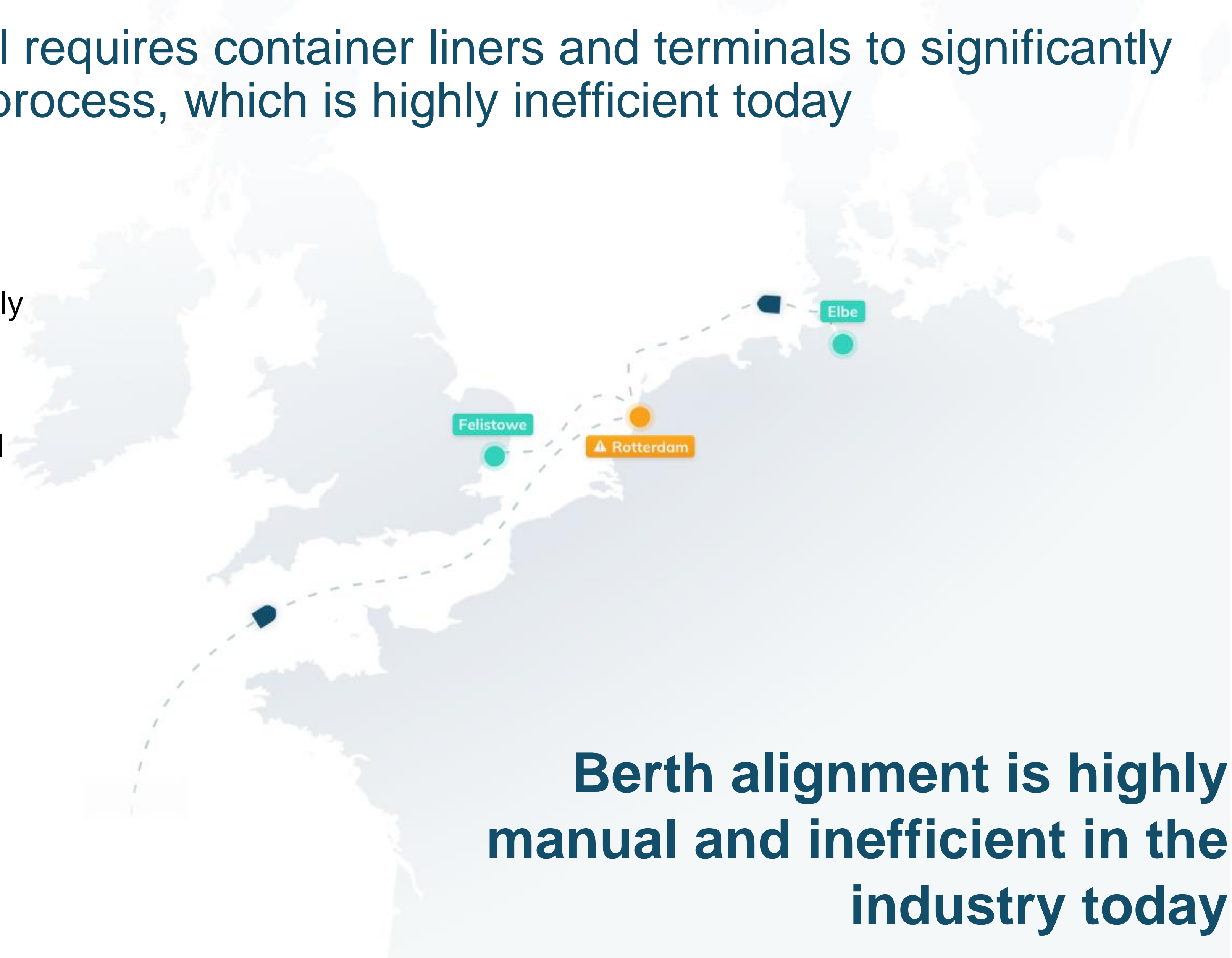


The **IMO** estimate that container shipping can **reduce bunker and CO2 emissions by 5.9%** by implementing **Just In Time Arrival**

Achieving Just In Time Arrival requires container liners and terminals to significantly improve the berth alignment process, which is highly inefficient today

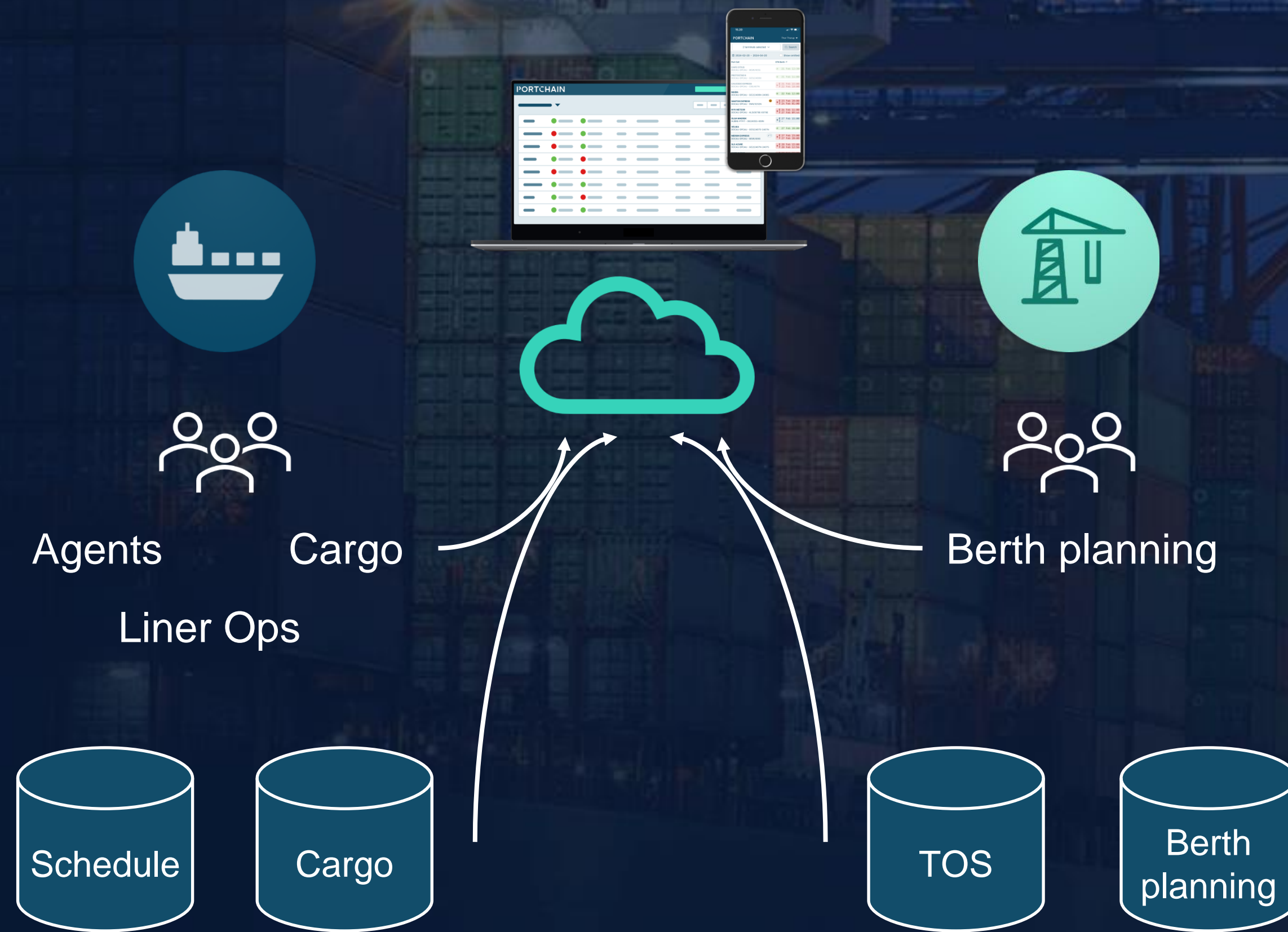
Challenges

-  Schedule data gathered manually by port captain, agent and line
-  Data shared by email, excel and phone calls
-  Hard to keep track of changes made, hard to audit
-  Lack of transparency among local, regional, HQ teams
-  All parties chasing information



Berth alignment is highly manual and inefficient in the industry today

Digital handshakes between container liners and terminals based on accurate and trusted data are the foundation for unlocking the value of Just In Time Arrivals



- Terminals and liners can get started using an easy-to-use interface and flexible integration options
- Connectivity to any kind of TOS or schedule system (API, EDI, Excel..)
- Real-time updates from liner & TOS systems

2 years ago

Portchain Connect network status – Jan 2022

- Connected terminals
- Connected multi-terminal clusters

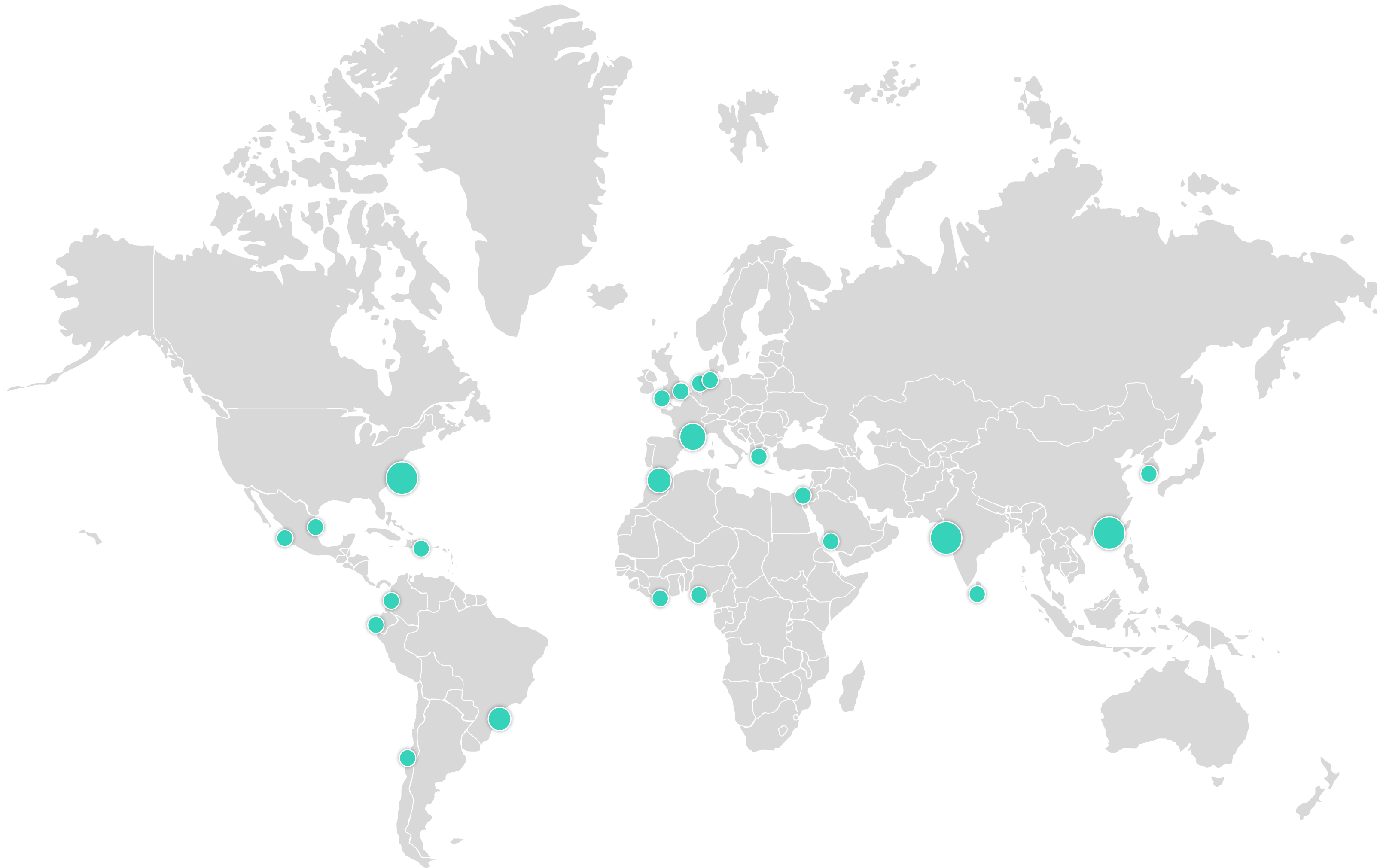


4 Terminals onboard

1 year ago

Portchain Connect network status – Jan 2023

- Connected terminals
- Connected multi-terminal clusters

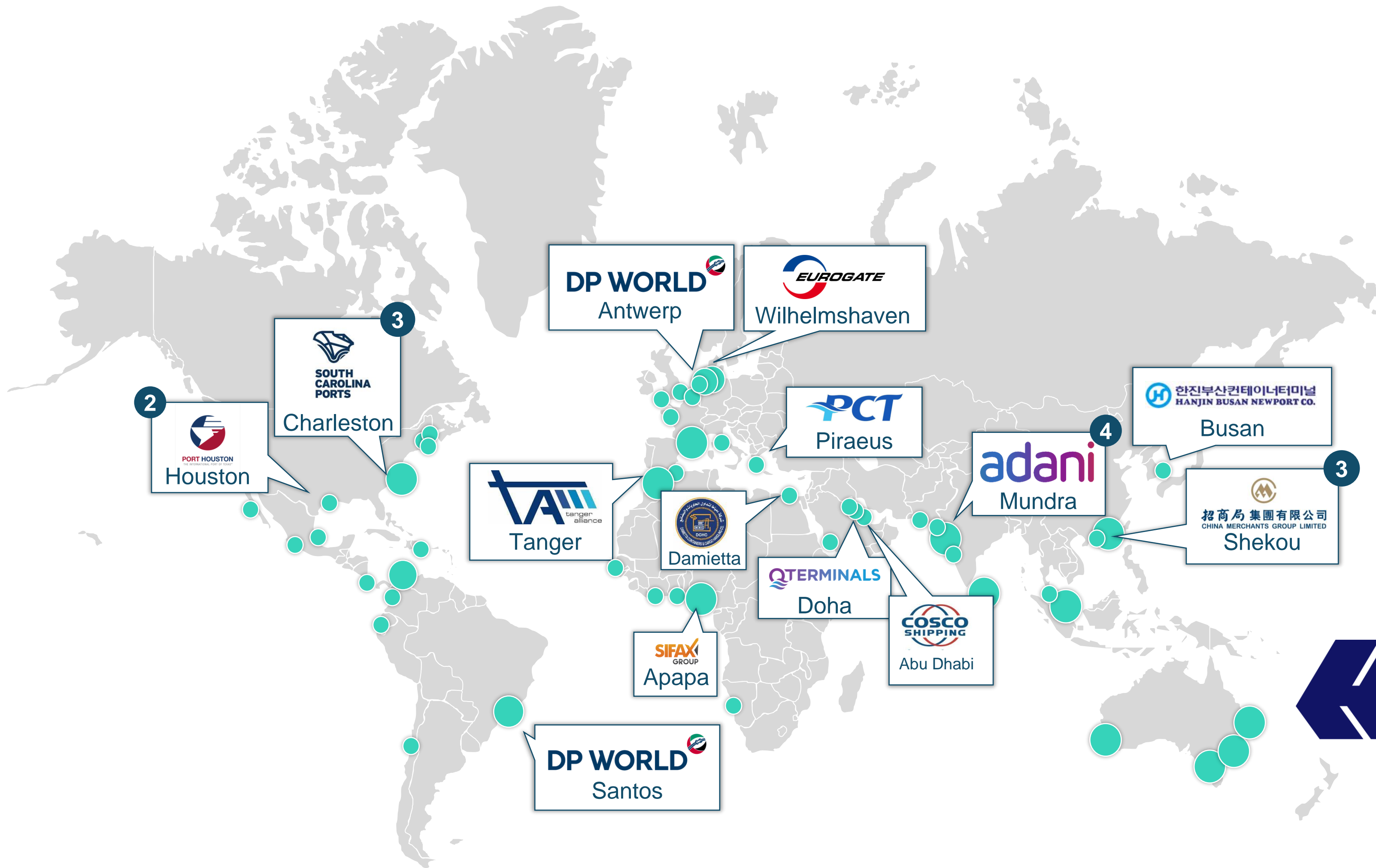


36 Terminals onboard

Today

Portchain Connect network status – Mar 2024

- Connected terminals
- Connected multi-terminal clusters
- ☐ Select terminal examples



100 Terminals onboard

20% Terminal capacity represented (% TEU)

 **ONE** Major Container Liners onboard
OCEAN NETWORK EXPRESS

Portchain Connect provides one connection to the network, increased predictability and reduced manual workload for operational users around the world

One connection to the network

Access standardized liner / terminal data all in one place



Increase reliability and predictability

2-hour avg. reduction in waiting time from accurate berthing data



Reduce manual workload

94% of users save more than **30 min** per day from less emails and phone calls





Want to learn more?

Visit us at portchain.com
or contact us at sales@portchain.com