P A C T

Port of Amsterdam Collaboration Tool

28-12-2021
Problem

What can we improve?

Insufficient use of port infrastructure leads to unnecessary delays and subsequently economical losses for all the stakeholders involved in the shipping logistics.

Low accuracy of Estimated Departure Times (ETD) for vessels was recognized as the main cause of slack in the port infrastructure planning, and inefficiencies caused by that.
GOAL

“SHARE **DEPARTURE TIME DATA** EARLIER IN THE PROCESS TO INCREASE **INCREASE PREDICTABILITY** OF DEPARTURES & **UTILIZE RESOURCES** MORE EFFICIENTLY.”
**Solution**

*A platform/tool that:*

Improves information position for agents by integrating shared data from key partners in the logistic chain

This facilitates an improved resource planning for the sealocks and nautical services.

**Condition:**

- A safe & secure platform
- The aim to be fully automated to lower impact on operations
Process

Terminal

Agent

Haven
VC

PACT

Process flow
Data flow

Port of Amsterdam
Dashboard in which users see status updates of departing ships.

Via API's data will be automatically shared. During pilot, will communicate ETCF manually.

Notification emails will be sent automatically when status is changed.

Future: Delays & unnecessarily planned slots will be calculated and shown.
Objectives

<table>
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<th>Value of accurate planning</th>
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<td>Reduce unnecessary claim of port resources</td>
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<td>Reduce delays by reducing &amp; unnecessarily planned slots</td>
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<td>Increase communication efficiency among port stakeholders</td>
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Marketable MVP
Go-to-market strategie bepalen en het testen en ontwikkelen van nieuwe features.

Usable MVP
Testen en ontwikkelen van nieuwe features gebaseerd op resultaten vorige fase.
MVP met meer features:
- Dashboard
- Automatisch data delen
- Evt. uitbreiding naar het delen van andere data en timestamps
- Evt. uitbreiding naar andere schepen

Testable MVP
Testen van desirability, feasibility en viability aannames tijdens pilot.
Nadruk ligt op feasibility en de desirability van nieuwe features.

MVP is een werkend product met:
- Dashboard
- Een koppeling tussen systeem terminal en PACT om ETCF70% en 90% automatisch te delen
- Handmatige invoer ETCF90%

Prototype is handmatig:
- Dashboard en spelregels om datapunten te delen tussen ketenpartijen (e.g. Verwachte ligduur, verhalende reis ja/nee, ETCF70% en 90%).

Usable MVP
Testen van desirability, feasibility en viability aannames tijdens pilot.
Nadruk ligt op feasibility en de desirability van nieuwe features.

Nadruk ligt op desirability.

Usable MVP
Testen van desirability, feasibility en viability aannames tijdens pilot.
Nadruk ligt op feasibility en de desirability van nieuwe features.

Nadruk ligt op desirability.

Status

Experiment 1 & 2
Testen van desirability, feasibility en viability aannames.
Nadruk ligt op desirability.

Port of Amsterdam
Questions?

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