

**DIGITAL
BUSINESS
SOLUTIONS**

Accelerated by



HaROLD

DIGITAL BUSINESS SOLUTIONS



ELETA Workshop

February 2018

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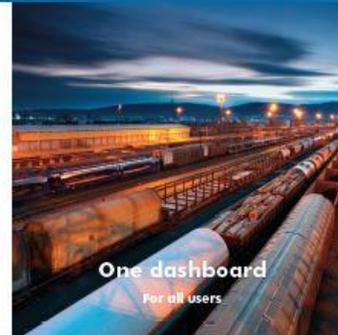
HaROLD

Harbour Rail Operation Logistics Dashboard

HaROLD clarifies expected time of arrival and terminal handling of trains



Insight in train location



Efficient use of time slots

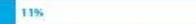


Efficient use of drivers, assets and tracks



Reduction of telephone calls
Where, what time, ETA

Lift progress



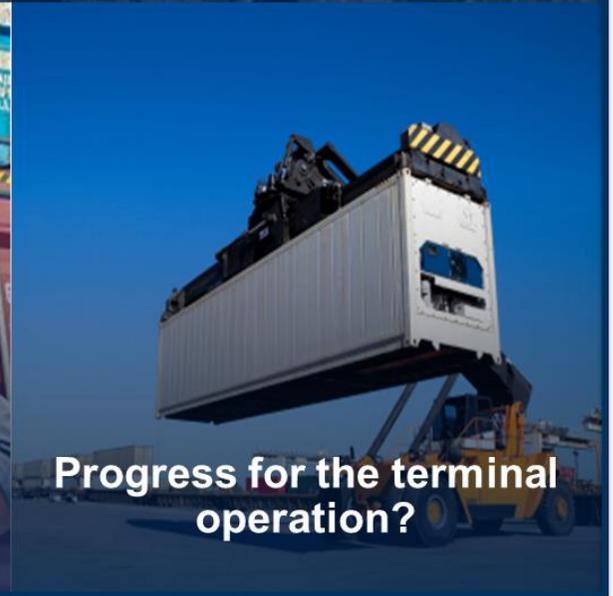
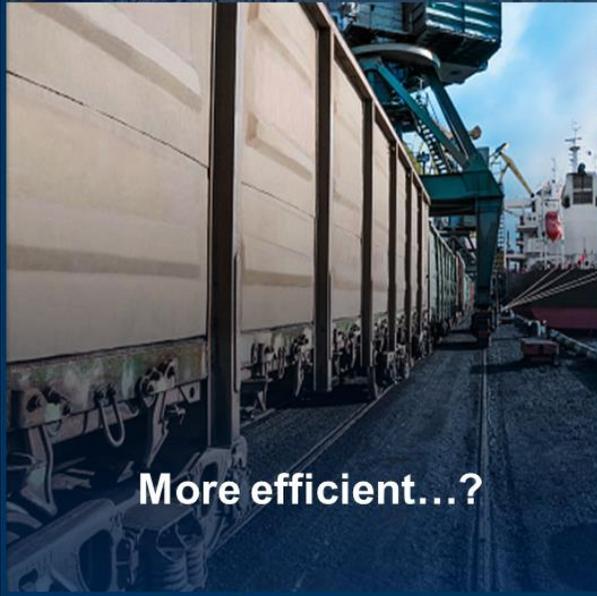
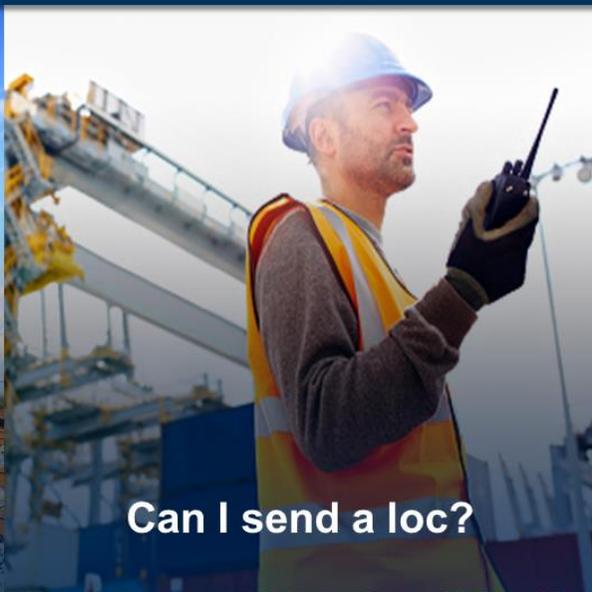
Automatic progress updates

In cooperation with:

- APMT-MV2
- ECT Delta
- EMO
- RRF
- Captrain
- DB Cargo
- RTB Cargo
- Euromax
- RSC

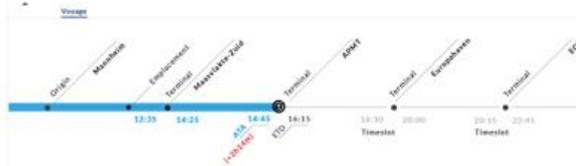
Goal of HaROLD

is to gain insight in the ETA and operational handling of trains at terminals



Goal of HaROLD

By providing a dashboard to both terminals and traction providers with the same information



Insight in the train location



1 dashboard

For all users: terminal operators, traction providers, (rail operators and rail infrastructuur managers)

Terminal	Container	Planned/Actual	Timeslot
			Begin Timeslot 14:00
3	Arrival	14:25	
3	First Lift	15:45 (+2h14m)	
3	05/38		
3	Last Lift	16:15	
3	ETD/ATD	16:30	

Efficient utilization time slots

When planned ETA is not achievable.



Efficient use of drivers, assets and tracks
Efficiëntere inzet

To decrease terminal stay

HAROLD Harbour Rail Operations and Logistics Dashboard

Date: 11-02-17

Trains: 09 Wagons: 147 Containers: 234 Effort: 23h45m

Trainset	Destination	ETA	Time	ATD	ETA	ETA	ETA
WR18333 DE 2334-24	Empfangs	22:29 (+0h27m)	17:30-23:00	22:29 (+0h27m)	1/5		
WR18333 DE 2334-24	APMT	22:29 (+0h27m)	17:30-23:00	22:29 (+0h27m)	2/5		
WR18333 DE 2334-24	Empfangs	22:29 (+0h27m)	17:30-23:00	22:29 (+0h27m)	2/5		
WR18333 DE 2334-24	SMD	22:29 (+0h27m)	17:30-23:00	22:29 (+0h27m)	2/5		
WR18333 DE 2334-24	Maatskade Zuid	22:29 (+0h27m)	17:30-23:00	22:29 (+0h27m)	2/5		

Reduction of telephone calls

Where, what time, ETA

Lift progress

11%

Automatic progress updates

A hour for end operations een automatic message to the traction provider

HaROLD in action



Thank you!

In short: HaROLD

HaROLD is the Harbour Rail Operations and Logistics Dashboard. This dashboard is created to gain insight in the train (voyage) and the handling at the terminal. It shows the voyage and handling data based on the planned and actual event data of various traction providers.

HaROLD is one of the many projects within the Digital Business Solutions (DBS) department of the Port of Rotterdam. Within DBS we operate based on an agile methodology. Products are rapidly developed with a (small) group of driven parties. If the products are proven successful they are extended and scaled up.

At this moment HaROLD is used by traction providers and terminals (4 container terminals, 1 dry bulk terminal and 4 traction providers). Each party has its own login. The traction provider and the terminal each have their own “view” that corresponds to their (data) needs. The participating parties can only see the trains that in which they have involvement in.