

# *Port Optimizer*

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# HOW WE GOT HERE



TRAPAC (POLA)  
YTI (POLA)  
ITS (POLB)  
WBCT (POLA)

ALLIANCES



LABOR



CHASSIS

# WHAT WE WANTED TO DO



**PROOF OF CONCEPT**



**DATA SOURCING**



**RFP & PILOT**

# PORT OPTIMIZER™: TRACK AND TRACE



NYKU8489129

Outgated

-

BOL TYOD27730800, TYOBWL95086	SHIPPING LINE ONE LINE	CUSTOM HOLDS Cleared	ORIGIN PORT -	OWNER -
VESSEL ONE HENRY HUDSON	ATA 25 Mar   03:00	VOYAGE NO. 086E	DESTINATION PORT Los Angeles	CUSTOM -
TERMINAL YTI	BERTH 214	YARD LOCATION -	TERMINAL HOLDS Cleared	CUSTOM 2 -
LAST FREE DAY -	OUT GATED TIME 30 Mar   08:55	MODALITY (SCAC) -	CHASSIS NO. FVKZ10143	OTHER HOLDS Cleared
TYPE CODE 40'DV	HAZARDOUS -	APPT STATUS Fulfilled	APPT TIME -	

# PORT OPTIMIZER™: THE SIGNAL

## Quickview Dashboard

**VESSELS AT BERTH**  
Current

15

**AVERAGE TIME AT BERTH**  
Based on Last 30-Day Rolling Average

4.3 DAYS

**TOTAL PLANNED VESSELS**

84

**TOTAL PLANNED CONTAINERS**

183,639

## Import Volumes

APR 09 - APR 15 (WK 15)

116,904 TEU

**SCHEDULED VESSELS: 23**

Change from previous week ▲ **62.71%**

Change from previous year ▲ **37.09%**

APR 16 - APR 22 (WK 16)

90,026 TEU

**SCHEDULED VESSELS: 17**

Change from previous week ▼ **22.99%**

Change from previous year ▼ **12.01%**

APR 23 - APR 29 (WK 17)

68,152 TEU

**SCHEDULED VESSELS: 13**

Change from previous week ▼ **24.30%**

Change from previous year ▼ **30.05%**

# PORT OPTIMIZER™: THE RETURN SIGNAL



**APMT**

SHIPPING LINE	TERMINAL SHIFT	20ST	40ST	40HC	45	20RF	40RF	FLAT	SPECIAL
CMA-CGM/APL/ANL	Shift1	Yes	Yes	Yes	Yes	No	No	No	No
	Shift2	Yes	Yes	Yes	Yes	No	No	No	No
Cosco	Shift1	No	No	No	No	No	No	No	No
	Shift2	No	No	No	No	No	No	No	No
Evergreen	Shift1	Yes	Yes	Yes	Yes	No	No	No	No
	Shift2	Yes	Yes	Yes	Yes	No	No	No	No
MSC	Shift1	Yes	Yes	Yes	Yes	No	No	No	No
	Shift2	Yes	Yes	Yes	Yes	No	No	No	No
Maersk	Shift1	Yes	Yes	Yes	Yes	Yes	Yes	No	No
	Shift2	Yes	Yes	Yes	Yes	Yes	Yes	No	No
SM Lines	Shift1	No	No	No	No	No	No	No	No
	Shift2	No	No	No	No	No	No	No	No

# PORT OPTIMIZER™: CONTROL TOWER

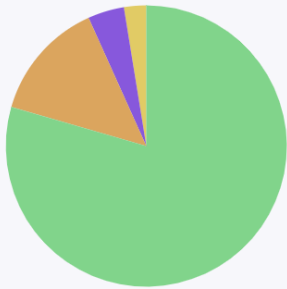


LOADED IMPORTS

LOADED EXPORTS

EMPTIES

## PORT OF LOS ANGELES



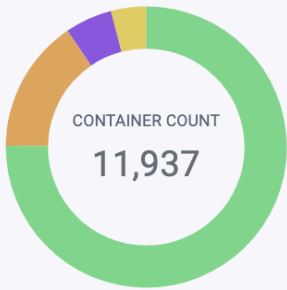
0-4 Days	5-8 Days	9-12 Days	13+ Days
29,957	5,190	1,575	965

CONTAINER COUNT  
**37,687**

CURRENT AVERAGE (DAYS)  
**3.1**

APMT	ETS	FMS	TRPC	WBCT	YTI
5.0	1.9	3.0	3.3	1.9	3.7

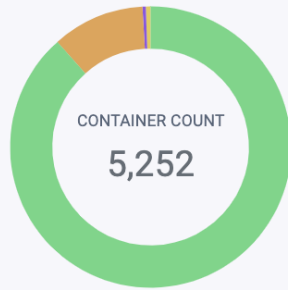
## APMT



0-4 Days	5-8 Days	9-12 Days	13+ Days
8,971 75.2%	1,833 15.4%	647 5.4%	486 4.1%

CONTAINER COUNT  
**11,937**

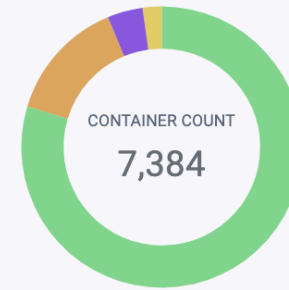
## EVERPORT



0-4 Days	5-8 Days	9-12 Days	13+ Days
4,645 88.4%	558 10.6%	20 0.4%	29 0.6%

CONTAINER COUNT  
**5,252**

## FMS



0-4 Days	5-8 Days	9-12 Days	13+ Days
5,881 79.6%	1,039 14.1%	301 4.1%	163 2.2%

CONTAINER COUNT  
**7,384**

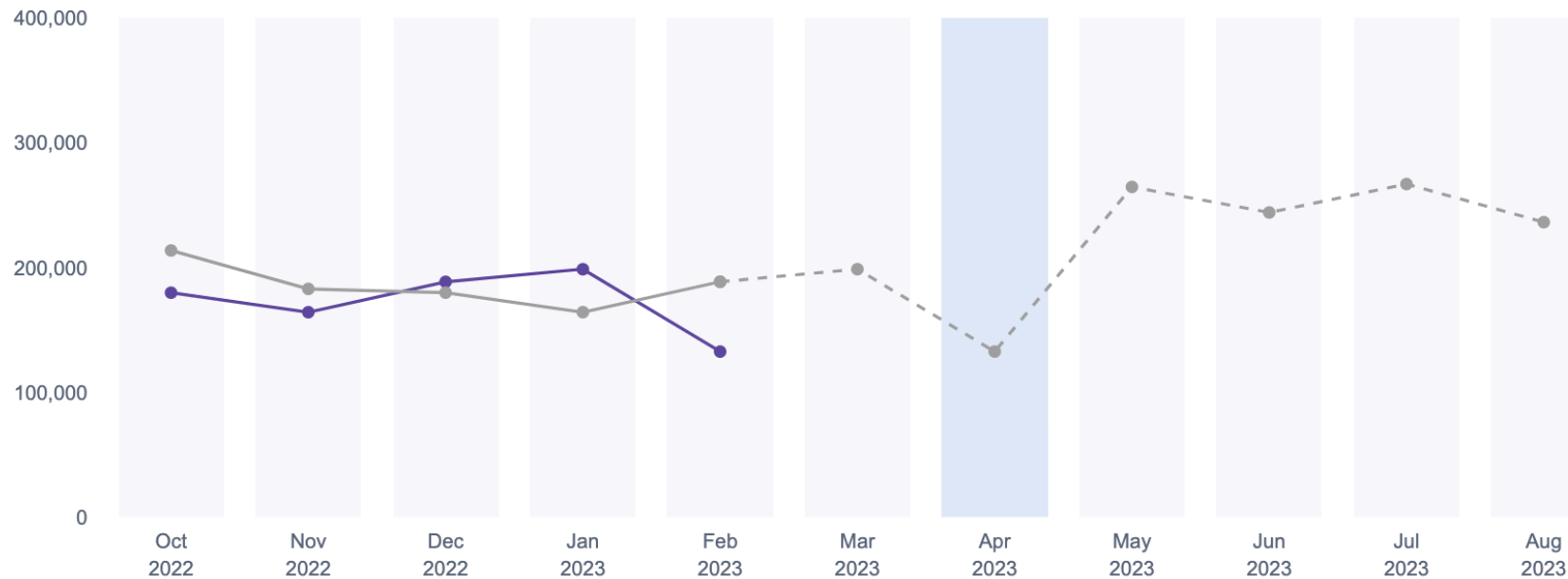
# PORT OPTIMIZER™: HORIZON



## Total Volumes by ATA: 6 Month Prediction

Port Optimizer™ Horizon provides a 6-month prediction of expected cargo volumes at the Port of Los Angeles using predictive analytics based on historical and planned cargo volumes.

### Port of Los Angeles



#### Chart Settings

Port of Los Angeles

Unit of Measure

TEU

Container

Container Status

Import Loaded

Export Loaded

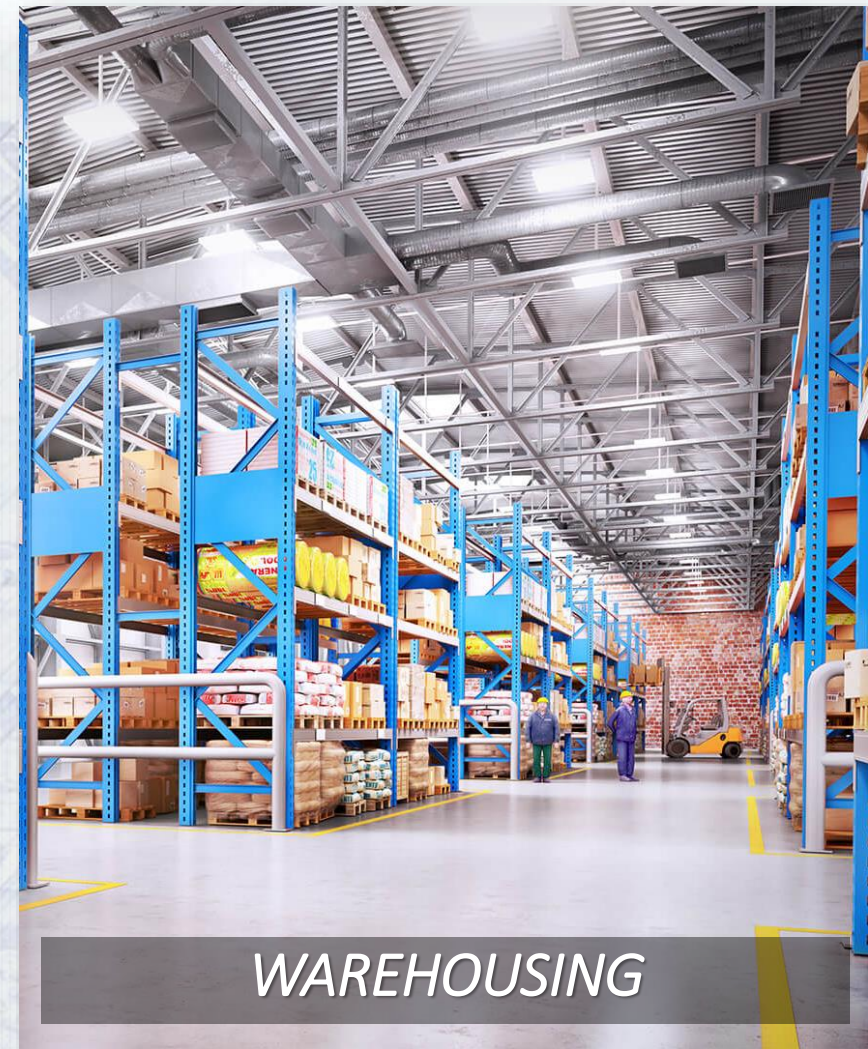
Export Empty

Selected Month Prediction 133,108

Proposed Predicted Range 118,789 - 147,427

2 Month Average Percent Difference 10.76 %

# UPCOMING INITIATIVES

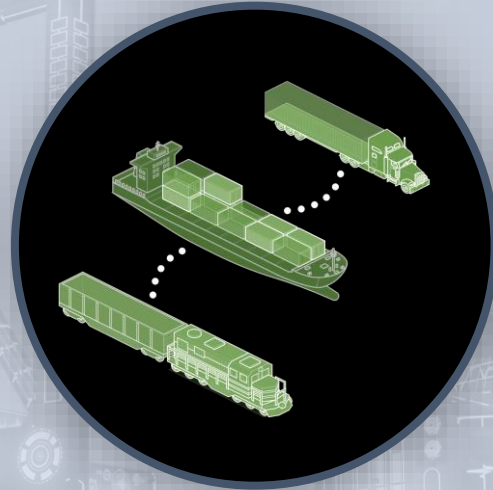


# ROAD TO THE DIGITAL SUPPLY CHAIN



## CARGO VISIBILITY

4455678  
4447978  
4397765



## CARGO OPTIMIZATION



## FUTURE INITIATIVES

Track & Trace  
Control Tower  
API Store

Cargo Analytics  
Land/Ocean Asset  
Tracking

Unified Appointment System  
Environmental Initiatives

Cargo Routing &  
Supply Chain  
Optimization

API Enhancement  
Next-Gen  
Optimization

# THANK YOU

@PortofLA



[portoflosangeles.org](http://portoflosangeles.org)

