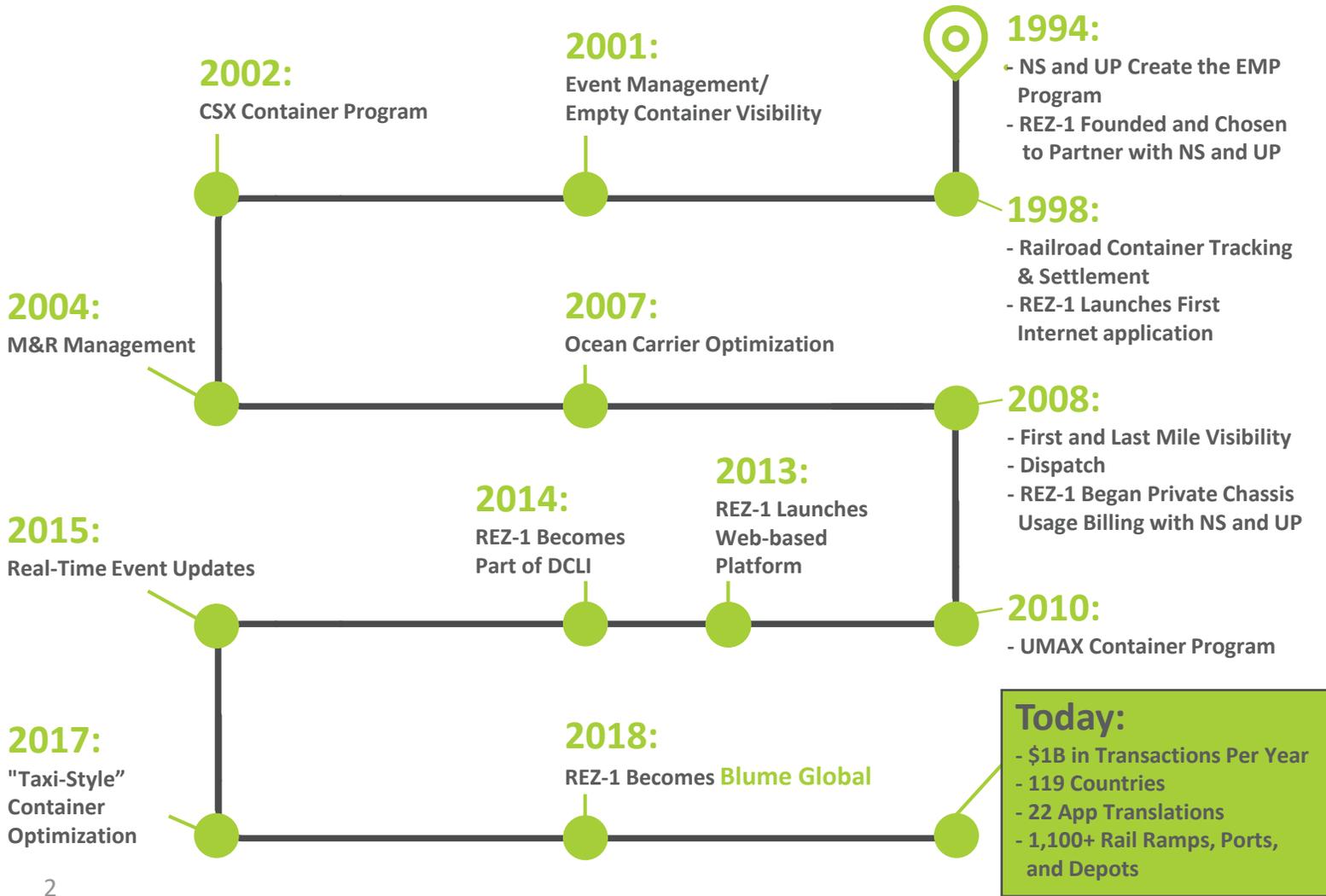


Blume Global – Introduction

Brussels – 26 September 2019



25 Years of Investing in Rail & Road



A closer look at

1990's

REZ-1 developed a robust suite of innovative solutions for the intermodal market, including tracking, inventory management and reservations, billing and collection. These solutions would be used by the railroads, the IMCs and the motor carriers, as the 'system of record' to support all program services between the railroads, and their customers.

Early 2000's

REZ-1 grows the marketplace by extending access to motor carriers, rail terminals and railroads, so all primary stakeholders responsible for managing the successful transit of goods are able to collaborate on the same platform.

2016

REZ-1 now has a global network of over 7,000 motor carriers and 1,100 terminals, depots and rail ramps in 119 countries.

2018 - Today

Blume Global builds on decades of network and data-driven connections to create real-time visibility. Blume Global uses advanced technologies such as data management, blockchain, AI/ML, cognitive interfaces and visualization to help customers successfully execute across their supply chain network.

Blume is the “One Stop” Solution for All Surface Transportation

- Delivering unique value via our Rail & Road network built over 25 years

1 Asset Management

- Asset visibility & tracking
- Chassis provisioning
- Maintenance & repair
- Charge calculations

2 Rating & Routing

- Centralized contracted rates management
- Carrier Selection
- End-to-end route optimization
- Rail Ramp Charges
- Recommendation on best rates and routes to be used

3 Booking

- Inter-modal booking with multiple carriers
- Reserve EMP, UMAX, CSXU, and TMX containers

4 Visibility

- Execution Tracking
- Real-time event milestones
- Pre-move predictive ETA
- In-transit dynamic predictive ETA
- Pick-up and Proof of Delivery updates
- Exception Management recommendations

5 Finance

- Bill and collect through Blume
- Billing settlement
- Revenue calculations
- Dynamic cost accruals
- Standard & Ad-hoc Reporting
- Smart Contract Mgt (Buy and Sell)
- Pre-Audit of Carrier Invoices



Global Network
119 Countries, 22 languages



- **All Class 1 Railroads**
- Reserve EMP, UMAX, CSXU, and TMX containers
- Track where your Railroad Containers are
- **Manage container & chassis inventory**
- Bill and collect through Blume

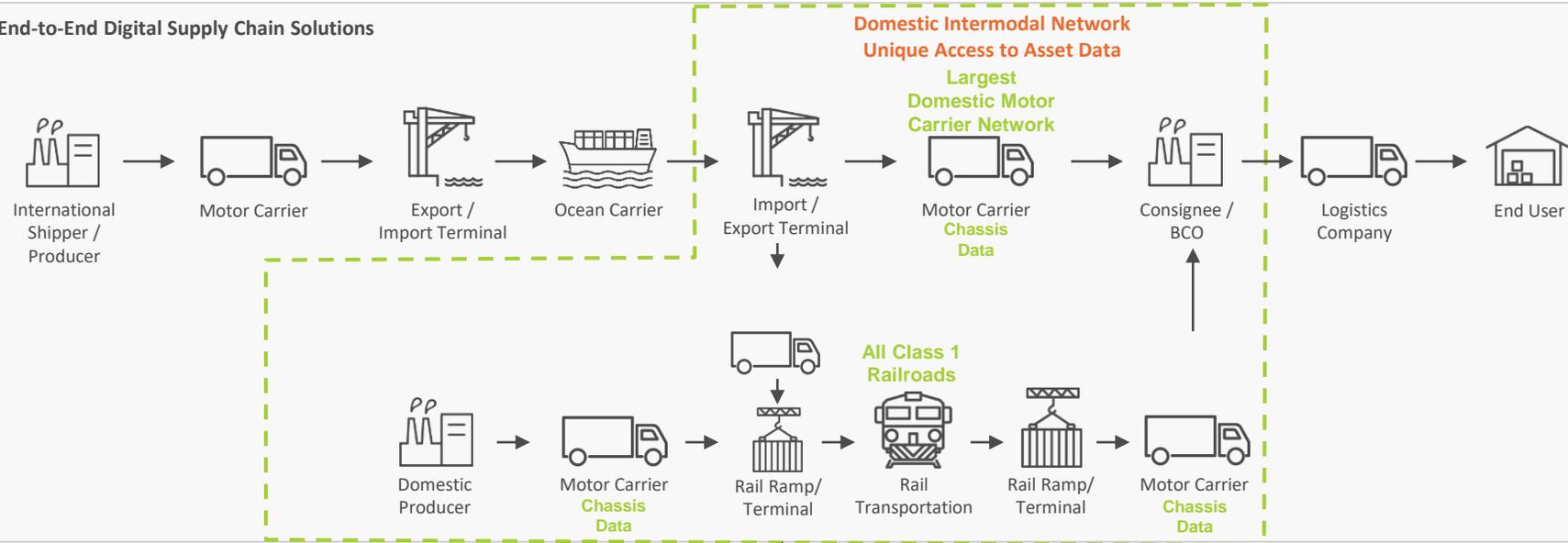
- **7,000+ Motor Carriers on Blume Platform**
- Real-time location and status
- Pick-up and proof of delivery events
- **Invoice and audit**

- **400 IMC on Blume Platform**
- Reserve space on railroads
- Book capacity through motor carriers
- Pick-up and proof of delivery events
- **Invoice and audit**

Blume Serves as the Critical Link in the Intermodal Supply Chain

a unified platform of end-to-end logistics solutions supported by a large network & data repository

End-to-End Digital Supply Chain Solutions



BLUME Value Proposition

- 

Instant Connectivity
Single connection point to a robust, established, growing network
- 

Increased Automation
Lowering transaction costs
- 

Trusted Clearing House
Maximizing payment accuracy and speed
- 

Enhanced Forecasting
Optimizing asset utilization
- 

Analytics & Metrics
Data to better manage network & spend

Free time and per diem tracking



Detail
✕

Program	GDBW	Status Date/Time	05/16/2019 1:55 EDT
Reservation Location	Chicago 47 St (OWN1)	Asset Type	53 High Cube
Origin Location	Chicago 47 St (OWN1)	Related Asset	NSPZ 160694
Destination Location	Morrisville (OWN1)	Waybill #	106462
Return Location	Morrisville (OWN1)	Created On	04/28/2019 0:00 CDT
Request Contract #	PRUI21147 (Beneficial Owner 934) (OWN1)	Creation Type	RESERVATION
Shipped Contract #	PRUI21147 (Beneficial Owner 934) (OWN1)	Reserved By	Not Available
Consignee		Change User	
Notify Date/Time	05/04/2019 9:00 EDT	Origin Motor Carrier	Motor Carrier 1927
Storage Free Time Ends	05/06/2019 23:59 EDT	Destination Motor Carrier	Motor Carrier 1927
Time Until Storage Begins		Street Interchange Submitted Date	
		Interchange Create User	

Activity
Charges
Contact Us
Comments

Download Charges
Download All

Status	RR/Owner	Start Date/Time	End Date/Time	Billable Hours	Billable Days	Rate	Charges
ORIGIN DEMURRAGE	Owner 1	05/01/2019 11:17 CDT	05/02/2019 10:16 CDT	22.98	1	\$90.00	\$90.00
<input type="checkbox"/> DESTINATION DEMURRAGE	Owner 1	05/04/2019 9:00 EDT	05/16/2019 1:55 EDT	280.92	12		\$1,030.00
		05/04/2019 9:00 EDT	05/09/2019 9:00 EDT	120.00	5	\$90.00	\$450.00
		05/09/2019 9:00 EDT	05/14/2019 9:00 EDT	120.00	5	\$80.00	\$400.00
		05/14/2019 9:00 EDT	05/16/2019 1:55 EDT	40.92	2	\$90.00	\$180.00
Total							\$1,120.00

Previous
Next
Close

Automatic charge accrual based upon activity, customer, and contract details



✕
Detail

Origin Location	Global 1 (OWN2)	Related Asset	DQEZ 135634
Destination Location	Salt Lake City Intermodal Terminal (OWN2)	Waybill #	366917
Return Location	Salt Lake City Intermodal Terminal (OWN2)	Created On	05/05/2019 22:31 CDT
Request Contract #		Creation Type	RESERVATION
Shipped Contract #	HXP58790 (Beneficial Owner 934) (OWN2)	Reserved By	Not Available
Consignee		Change User	
Notify Date/Time	05/11/2019 12:35 MDT	Origin Motor Carrier	Motor Carrier 1927
Storage Free Time Ends	05/12/2019 23:59 MDT	Destination Motor Carrier	Motor Carrier 1927
Time Until Storage Begins		Street Interchange Submitted Date	
		Interchange Create User	

Activity | Charges | Contact Us | Comments

Download Activity
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#	Status	Owner	Location	Start Date/Time	End Date/Time	Actual Hours	Actual Days
1	Reserved	Owner 2	Global 1	05/05/2019 22:31 CDT	05/06/2019 12:37 CDT	14.08	0.59
2	Origin Street	Owner 2	Global 1	05/06/2019 12:37 CDT	05/09/2019 8:38 CDT	68.02	2.83
3	Origin Ramp	Owner 2	Global 1	05/09/2019 8:38 CDT	05/09/2019 14:36 CDT	5.97	0.25
4	Transit	Owner 2	Global 1	05/09/2019 14:36 CDT	05/11/2019 13:27 CDT	46.85	1.95
5	Unloaded From Rail	Owner 2	Salt Lake City Intermodal Ter...	05/11/2019 12:27 MDT	05/11/2019 12:35 MDT	0.13	0.01
6	Destination Ramp	Owner 2	Salt Lake City Intermodal Ter...	05/11/2019 12:35 MDT	05/12/2019 10:07 MDT	21.53	0.90
7	Destination Street	Owner 2	Salt Lake City Intermodal Ter...	05/12/2019 10:07 MDT	05/15/2019 23:14 MDT	85.12	3.55
8	Complete	Owner 2	Salt Lake City Intermodal Ter...	05/15/2019 23:14 MDT	05/15/2019 23:14 MDT	0	0
Total						241.70	10.08

Previous | Next
Close

Full end to end tracking



Dwell time calculations for accurate billing and utilization



Inventory by location, type, and disposition

Demand visibility and automatic equipment allocation

The screenshot displays the BLUME Management interface. The top navigation bar includes 'Management', 'Business Intelligence', 'Communications', 'Configuration', and 'Help and Policies'. The user 'Sherie Costa' is logged in. The main content area shows an 'Inventories' view for 'Metros'. A table lists inventory items with columns for Metro, Location, Asset Type, Total Assets, Asset Specific Hold, Generic H..., Usable Invent..., Reservati..., and +/-.

#	Metro	Location	Asset Type	Total Assets	Asset Specific Hold	Generic H...	Usable Invent...	Reservati...	+/-
1	Albany	Mechanicville	53 High Cube	7	0	0	7	7	
2	Atlanta	Atlanta Austell	53 High Cube	16	0	0	16	4	
3	Atlanta	Atlanta Austell	53 High Cube	311	12	0	299	137	1
4	Atlanta	Atlanta Fairburn	53 High Cube	149	2	0	147	48	
5	Atlanta	Atlanta Fairburn	53 HC	205	1	0	204	7	1
6	Atlanta	Atlanta Inman	53 High Cube	52	6	0	46	45	
7	Baltimore	Baltimore, MD	53 High Cube	9	0	0	9	7	
8	Baltimore	Baltimore, MD	53 HC	2	0	0	2	0	
9	Bethlehem	Bethlehem, PA	53 High Cube	151	4	0	147	1	1
10	Birmingham	McCalla	53 High Cube	286	5	0	281	8	2
11	Boston	Ayer, MA	53 High Cube	23	0	0	23	4	
12	Buffalo	Buffalo, NY	53 High Cube	60	1	0	59	14	
13	Buffalo	Buffalo	53 High Cube	22	1	0	21	7	
14	Buffalo	Buffalo, NY	53 HC	24	1	0	23	0	
Tot...				29,052	9,910	472	18,673	2,664	16,0

The interface also includes a search bar, a 'Refresh' button, and an 'Auto refresh' toggle (On/Off). A 'Quick Views' panel on the left shows 'AM Demo View 1', 'Lisa Demo', and 'DRL View'. The bottom of the screen shows a pagination bar with 'showing 171 of 498 records' and a filter bar with 'Total Assets', 'Asset Specific Holds', 'Generic Holds', 'Reservations', 'Override', 'Allotments', 'Today's Adv Bks', 'Today's Standbys', 'Future Reqs', and 'Empties on Ground'.

Multimodal visibility on 1 platform and 1 dashboard



Option	Carrier	Major Mode	Est. Transit Time	Est. Total Cost
Option 2	Lexington Intermodal,Oak Brook,Lexington I...	OCEAN	1 Day 17 Hours	3924 USD

Map Satellite

Map data ©2019 Google. INEGI Terms of Use

Pick-up From
Port of Nanjing,Nanjing,32,CN

Deliver To
Maogang,44,CN

	Carrier Name	Est. Transit Time	Est. Total Cost	Rate Basis	Rate	Fuel Surcharge	Accessorial Charge
<input checked="" type="radio"/> Action ▾	Lexington Intermodal	9 Hours	810 USD	Flat	810 USD	0 USD	0 USD
<input type="radio"/> Action ▾	Evans Delivery	8 Hours	600 USD	Flat	600 USD	0 USD	0 USD

Pick-up From
Maogang,44,CN

Deliver To
Savannah,GA,US

Late ETA X Import Demurrage X Early ETA X Detention X

All Enter SKU,Order#,Shipment#...

9 Detention



3 In detention 6 Near detention

11 Early ETA



2 Arriving within 24 hrs 9 Arriving within 24 to 48 hrs

15 Import Demurrage



4 Over free time 11 Near free time

11 Late ETA



7 Missed cut off 4 Missing cut off

Showing 46 Results

Shipment Ref. # SHP24961283

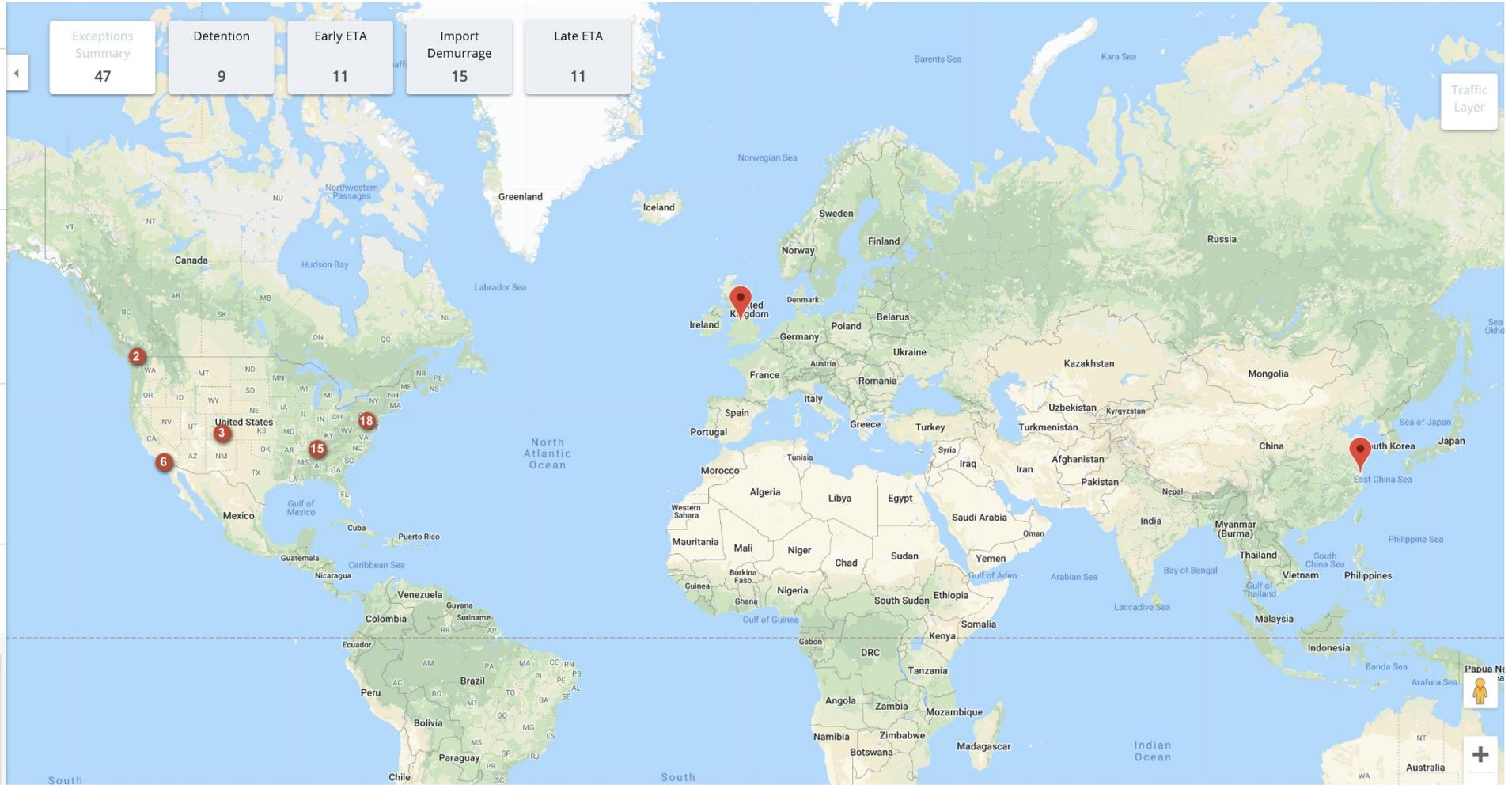
Customer: HP

In Transit to Norfolk

Origin: Hong Kong

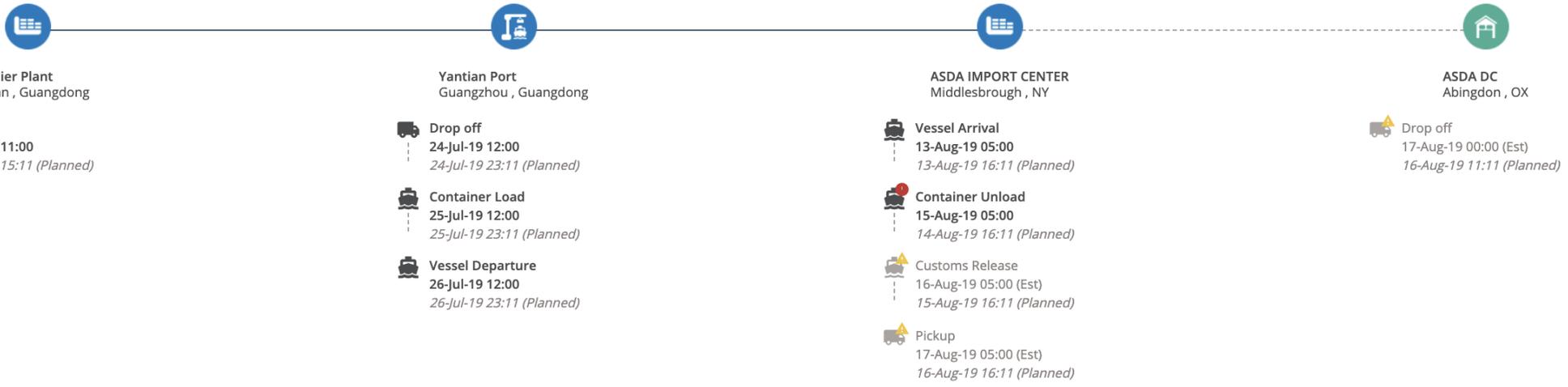
Destination: Ahoskie, NC

Late ETA Near free time



< Booking Number: BN28692221 - Details

Master Shipment Ref. # SH9429691	Freight Description Widget	Consignee/Buyer ASDA	Consignor ASDA	Origin Supplier Plant Foshan , Guangdong	Destination ASDA DC Abingdon , OX	Status Completed
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Shipment #2793	Status: Completed
Shipment #2794	Status: Completed

Shipment Exception Alert						
Type	Location	Category	Details	Date Planned	Date/Time Exception Recognized	
Late Milestone	ASDA DC	ALERT	Late Milestone	16-Aug-19	15-Aug-19 16:00	
Late Milestone	ASDA IMPORT CENTER	ALERT	Late Milestone	16-Aug-19	15-Aug-19 16:00	
Late Milestone	ASDA IMPORT CENTER	ALERT	Late Milestone	15-Aug-19	15-Aug-19 16:00	
Late Container Unload	ASDA IMPORT CENTER	EXCEPTION	Late Container Unload	14-Aug-19	15-Aug-19 16:00	

22 languages



Choose Language: English

User : test.oa | Company : IASDM | Sign Out

Notifications Transaction Audit Admin Job Tracker Help

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Deutsch
हिंदी
मराठी
ไทย
한국어
čeština

Denmark
Hamburg
Malmö
Szczecin

Thank you

