Blume Global – Introduction

Brussels – 26 September 2019

BLUME global™

25 Years of Investing in Rail & Road

1994:
- NS and UP Create the EMP Program
- REZ-1 Founded and Chosen to Partner with NS and UP

1998:
- Railroad Container Tracking & Settlement
- REZ-1 Launches First Internet application

2001:
Event Management/ Empty Container Visibility

2002:
CSX Container Program

2004:
M&R Management

2007:
Ocean Carrier Optimization

2008:
- First and Last Mile Visibility
- Dispatch
- REZ-1 Began Private Chassis Usage Billing with NS and UP

2010:
- UMAX Container Program

2013:
REZ-1 Launches Web-based Platform

2014:
REZ-1 Becomes Part of DCLI

2015:
Real-Time Event Updates

2017:
"Taxi-Style" Container Optimization

2018:
REZ-1 Becomes Blume Global

Today:
- $1B in Transactions Per Year
- 119 Countries
- 22 App Translations
- 1,100+ Rail Ramps, Ports, and Depots

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.

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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**

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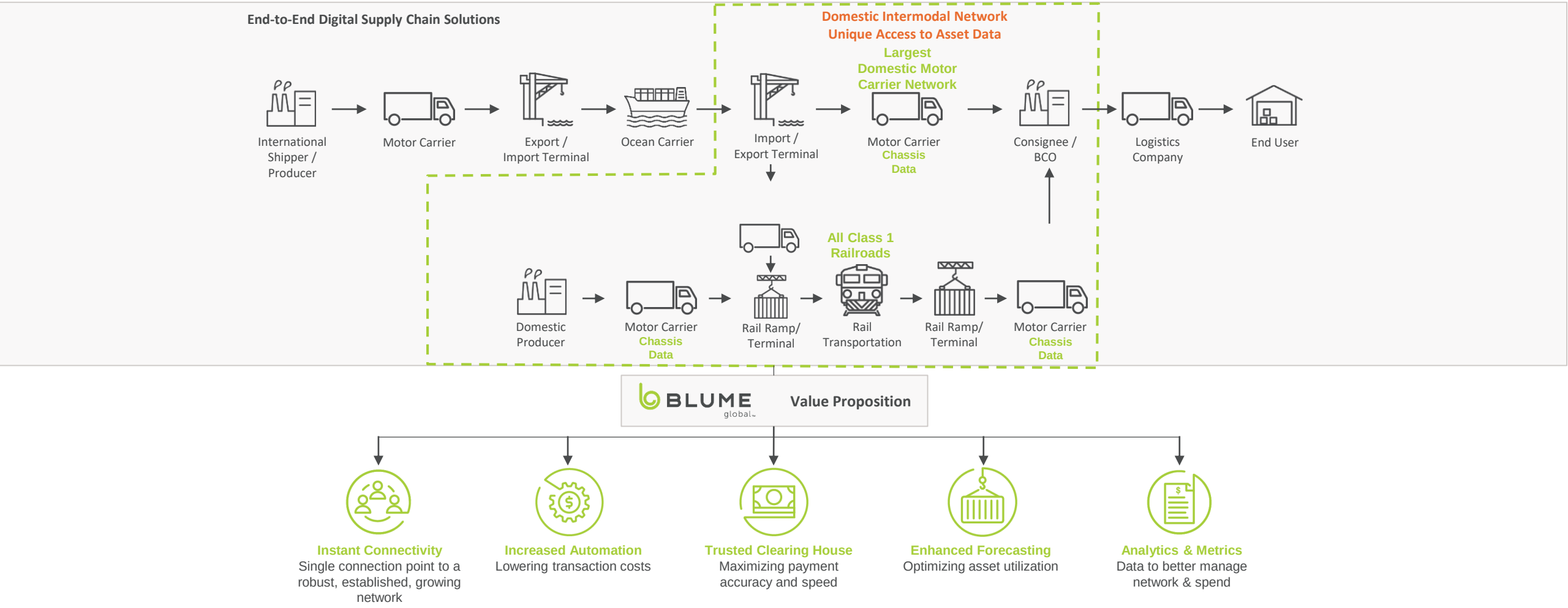
Blume Serves as the Critical Link in the Intermodal Supply Chain

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



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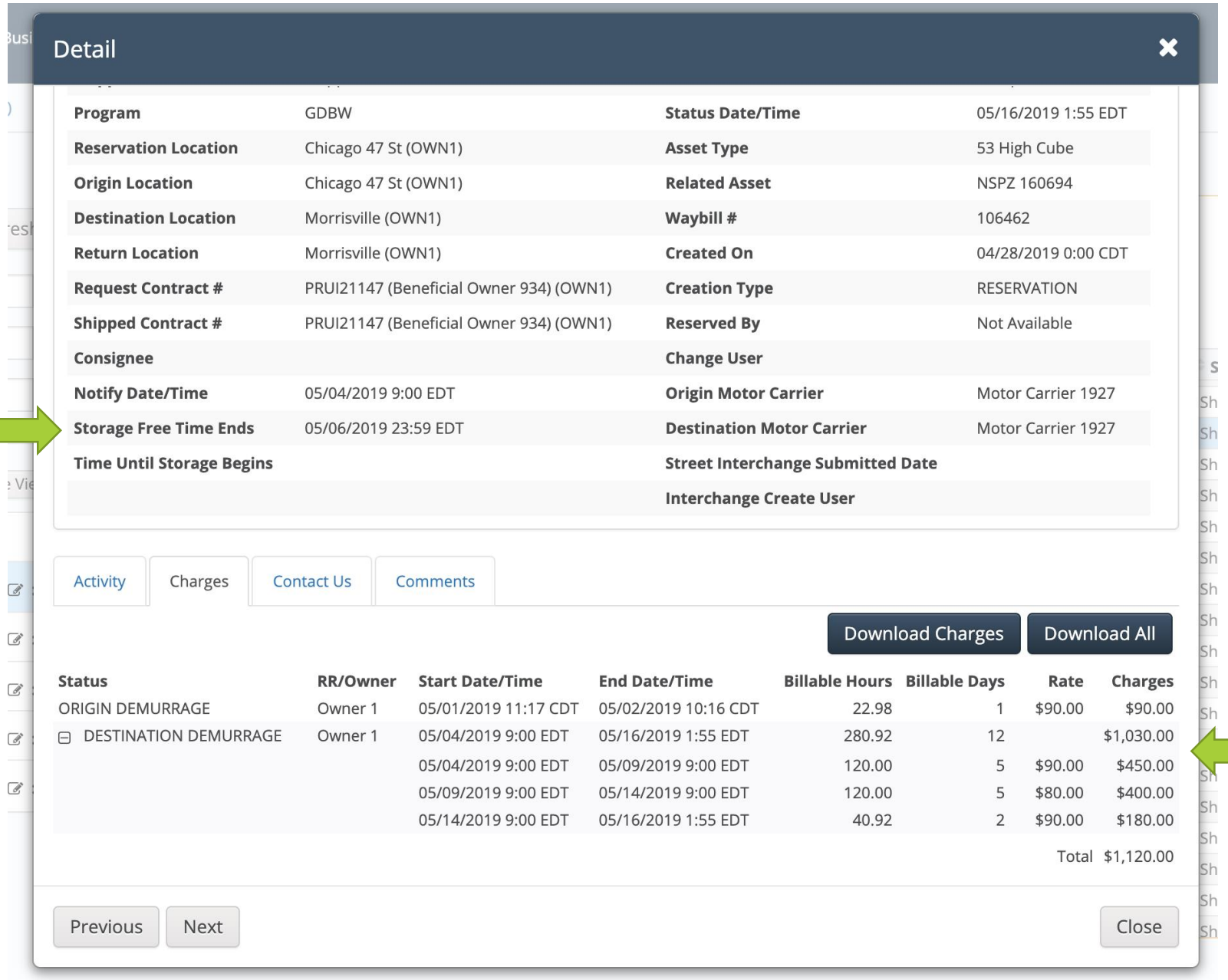
Free time and per diem tracking



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

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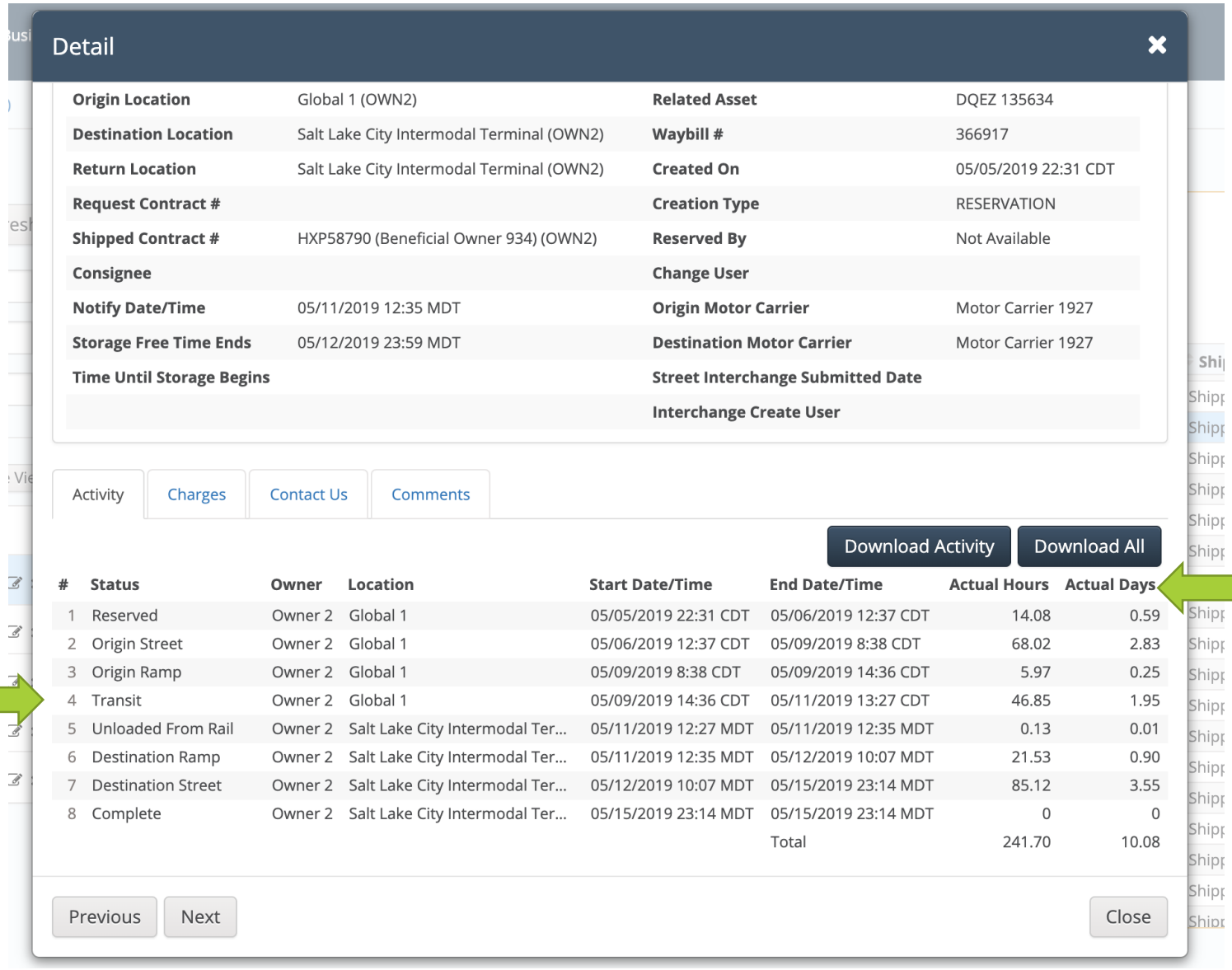
Full end to end tracking



Dwell time calculations for accurate billing and utilization

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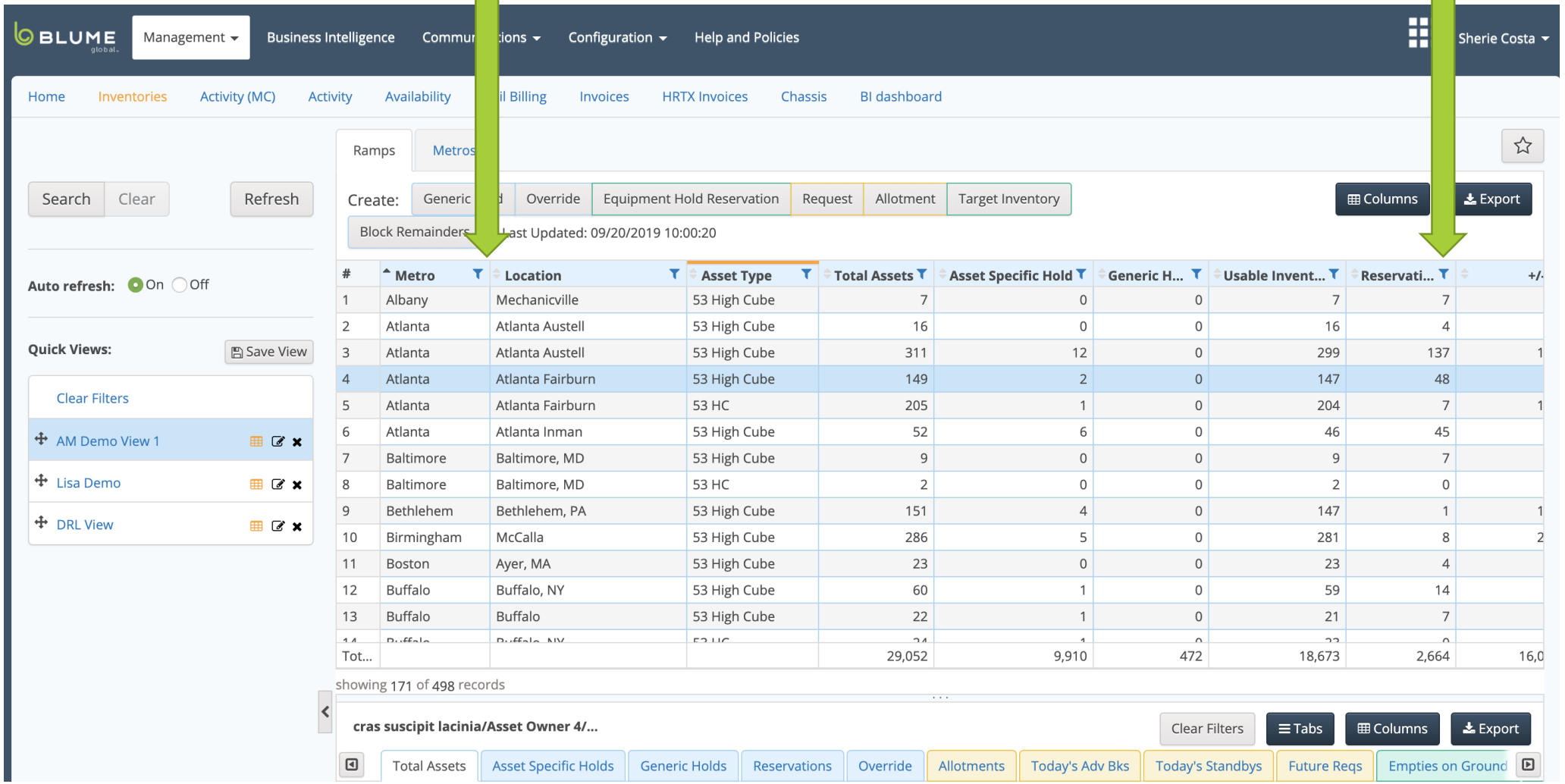
Inventory by location, type, and disposition

Demand visibility and automatic equipment allocation



#	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	
Tot...				29,052	9,910	472	18,673	2,664	16,0

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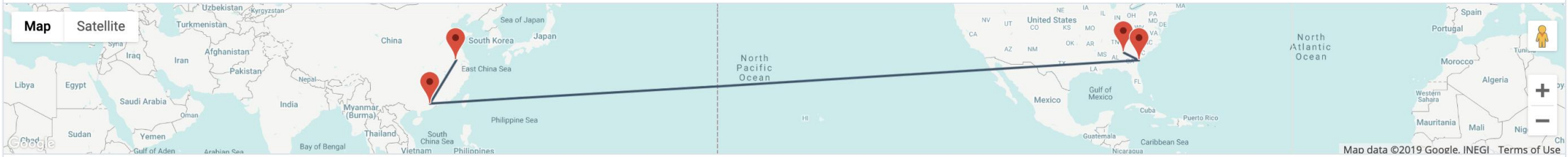
Multimodal visibility on 1 platform and 1 dashboard

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



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
Action	Lexington Intermodal	9 Hours	810 USD	Flat	810 USD	0 USD	0 USD
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

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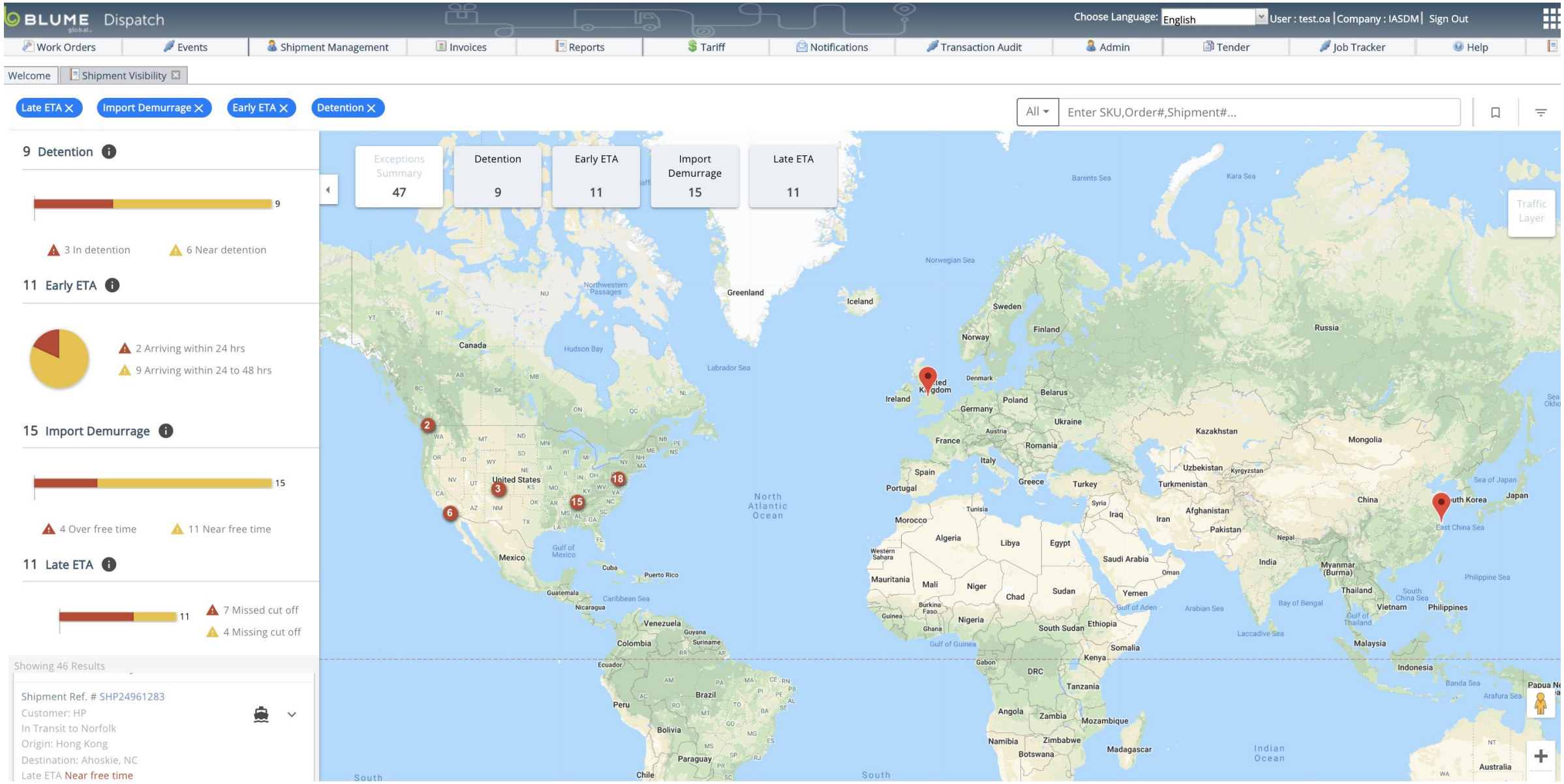

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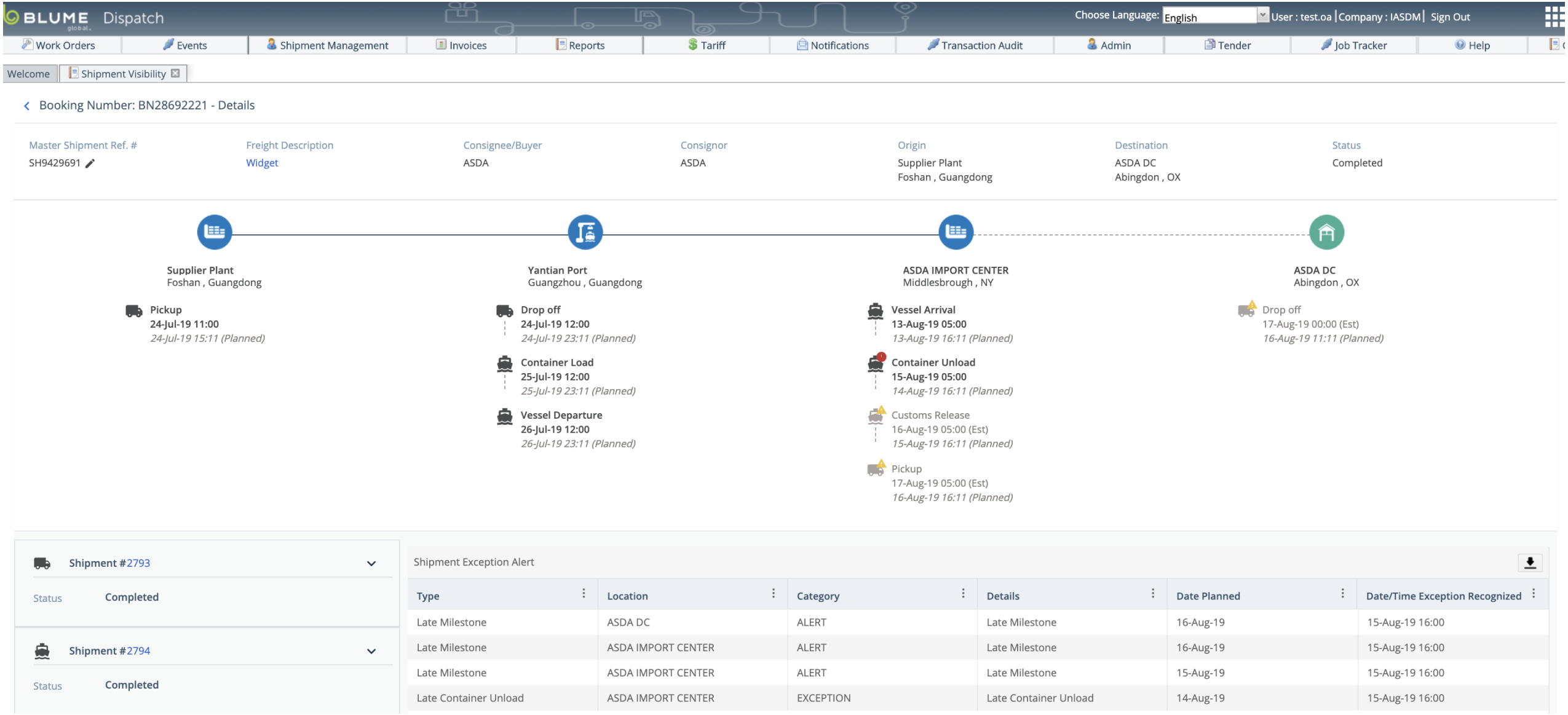

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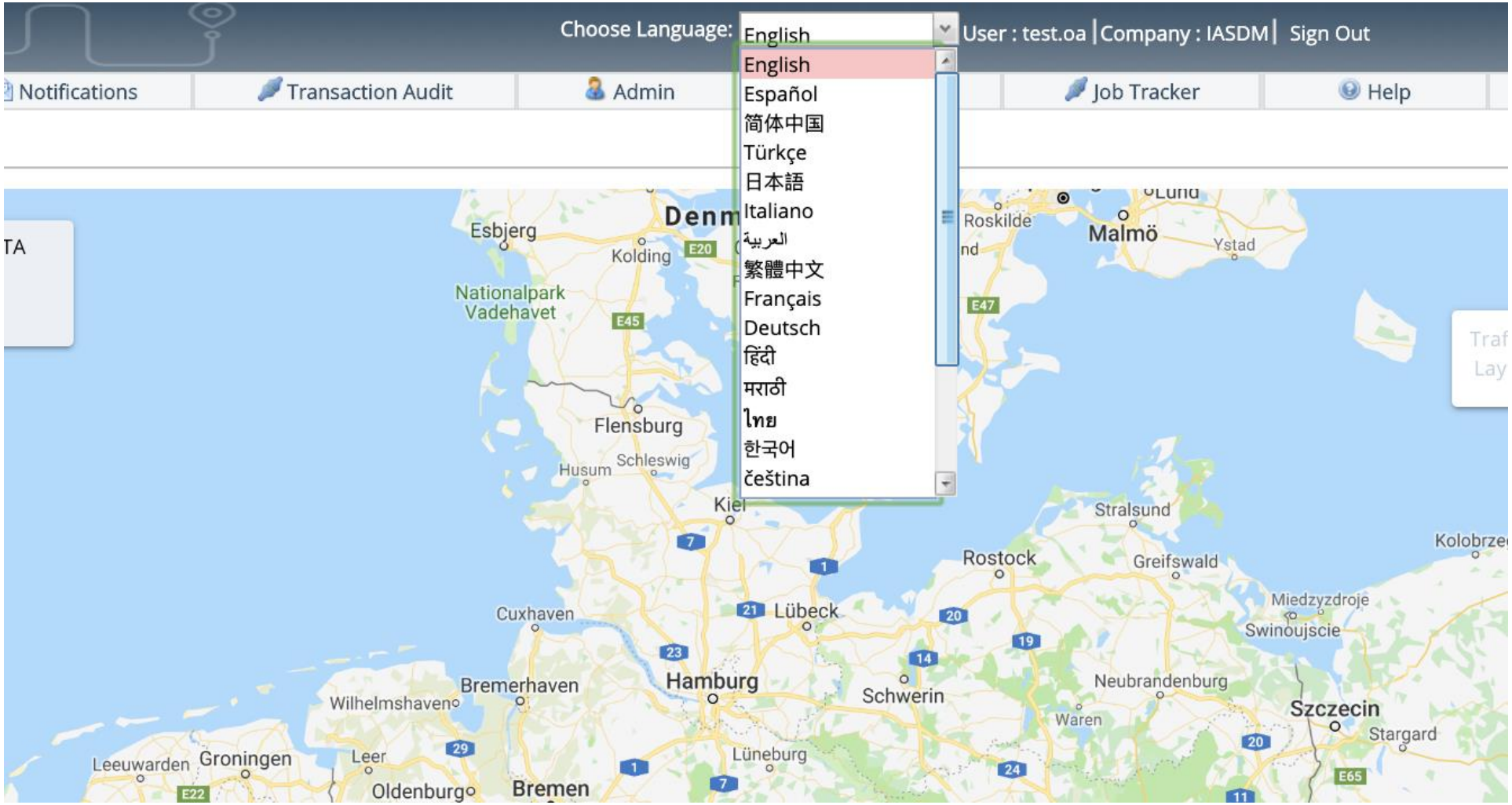
22 languages



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Thank you