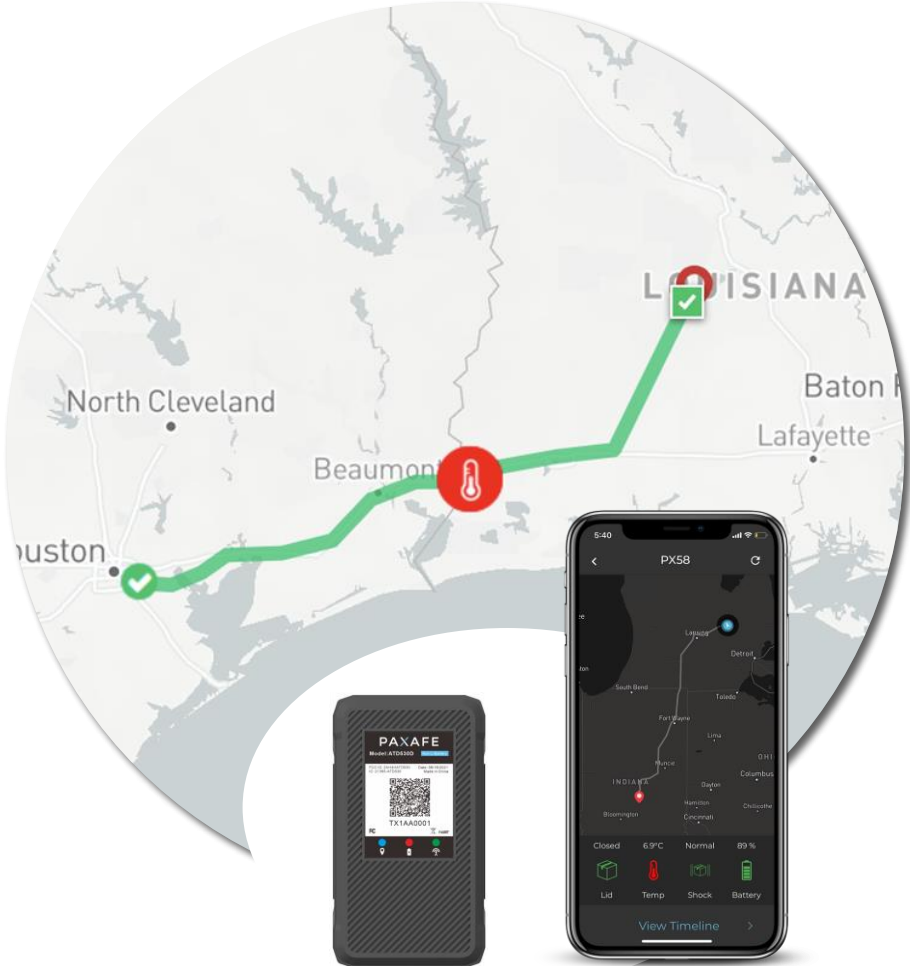


# PAXAFE

## Playbook for Active IoT Lane Risk

Operational Guide  
August 2024



**40**  
TEAM

**Oct 2018**  
FOUNDED

**Indianapolis**  
HQ LOCATION



Search Lane...

Group Select Group Company PAXAFE

Origin Select Origin Destination Select Destination

Product: Select Product

Origin: Amsterdam x Destination: New York x

Clear All

ORIGIN	DESTINATION	PERFORMANCE	EXTERNAL IMPACT
Amsterdam	New York	■■■	High
Amsterdam	New York	■■■	High
Amsterdam	New York	■■■	High
Amsterdam	New York	■■■	High
Amsterdam	New York	■■■	Medium
Amsterdam	New York	■■■	Medium
Amsterdam	New York	■■■	Medium
Amsterdam	New York	■■■	Low
Amsterdam	New York	■■■	Low
Amsterdam	New York	■■■	Low

Transp. Mode Multimode

Routes 6

Shipment Count 11

Delayed Shipment Count 5

Shipment Count with Excursions 5

Expected Transit Time 2d 12h

Avg. Transit Time 2d 15h [+3h]

Total CO2 Emissions 7.1555 metric tons

Lane ID 00FB6D41-4E21-47A2-B5FC-30C3B46B7...

[Show Less](#)

powered by ATHENA

**Delivery Performance Summary** Last data refresh: 2024-08-06 at 12:45 PM UTC

- Lane risk analysis reveals **6 delayed shipments**, a **50% increase** from the last refresh.
- NY customs and Chicago DC** emerge as major bottlenecks, with **+14hrs and +18hrs average** delays respectively.
- Friday departures (3-5pm UTC)** show **high** delay risk.
- Three shipments experienced both delays and temperature excursions.

**Recommendation:** Urgent focus needed on **NY customs, Chicago DC, and LA-Miami** air transit, particularly for Friday departures.



← Back

# Lane: Frankfurt to Louisville

ATHENA Summary

Last data refresh: 2024-08-06 at 12:45 PM UTC



Transportation Mode Road SRV Verified

Lane Performance High External Events Impact



Lane Overview

Routes (2)

Shipments (30/64)

Date Jul 30, 2024 - Aug 6,...

Last Week

Product: Product A



**Lane Performance** Needs Attention Warning

**External Impact** High Warning

**Device Performance** Optimal

**CO2 Emissions** 0.153 metric tons

**Packaging Performance** Data Not Available

### On-Time Delivery Performance

Shipments with Location Data: **25** + 1

Contracted Transit Time: **2d 12h**

Avg. Transit Time: **2d 14h**

Comparison	
Jul 23, 2024 - Jul 30, 2024	9
Jul 30, 2024 - Aug 6, 2024	10 <span>+ 2h</span>

Delayed Shipment Count: **5** + 1

### Temperature Performance

Shipments with Temp. data: **25** + 1

Shipping Temperature Ranges: **2°C - 8°C**

Avg. Time out of Range per Shipment: **36m** + 4m

Avg. Excursion Duration: **1h** + 20m

Comparison	
Jul 23, 2024 - Jul 30, 2024	32m
Jul 30, 2024 - Aug 6, 2024	36m

Shipment Count with Excursions: **16**



← Back

# Lane: Frankfurt to Louisville

ΛTHENA Summary

Last data refresh: 2024-08-06 at 12:45 PM



Transportation Mode  Road

Lane Performance ■ ■ External Events Impact High



Lane Overview

**Routes (12)**

Shipments (30/64)

Date Jul 30, 2024 - Aug 6, 2024 Last Week

Product: Product A



## Route: Frankfurt-Port of Rotterdam-Port of Savannah-Port of Elizabeth-Louisville Ky



Transportation Mode  Road  Route Validated

Route Performance ■ ■ External Events Impact High



<b>Route Performance</b> Needs Attention <span style="color: red;">⚠</span>	<b>External Impact</b> High <span style="color: red;">⚠</span>	<b>Device Performance</b> Optimal	<b>CO2 Emissions</b> 0.153 metric tons	<b>Packaging Performance</b> Data Not Available
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← Back

# Lane: Frankfurt to Louisville

ΛTHENA Summary

Last data refresh: 2024-08-06 at 12:45 PM



Transportation Mode  Road

Lane Performance ■ ■ External Events Impact High



Lane Overview

**Routes (12)**

Shipments (30/64)

Date Jul 30, 2024 - Aug 6, 2024 Last Week

Product: Product A



## Route: Frankfurt-Port of Rotterdam-Port of Savannah-Port of Elizabeth-Louisville Ky



Transportation Mode  Road  Route Validated

Route Performance ■ ■ External Events Impact High



<b>Route Performance</b> Needs Attention <span style="color: red;">⚠</span>	<b>External Impact</b> High <span style="color: red;">⚠</span>	<b>Device Performance</b> Optimal	<b>CO2 Emissions</b> 0.153 metric tons	<b>Packaging Performance</b> Data Not Available
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Search

Sort By

Select



Delayed shipments (3)

Shipments with excursion (1)

Unmatched shipments (3)

Filtered shipments (2)

Clear all

PX114550

Delayed

### Shipment Id

Identified Route: Frankfurt-Port of Rotterdam-Port of Savannah-Port of Elizabeth-Louisville Ky

Route Validated

Contracted Lead Time: 2w 5d

Device ID TXAA110501

Temperature Range: 2 - 8 C

CO2 Emission 0.15 ton

### Shipment Id

Delayed

Temp. Excursion: 2

Start Date: 07/23/2024 3:45pm UTC

Delivery Performance

Temperature Performance

Device Performance

Actual Transit Time

5d 12h

Delayed by: 30 mins

Fedex Gate 3, 1 Sally Ride Way, Oakland, California 94621, United States

Today at 06:45

CURRENT LOCATION



← Back

# Lane: Frankfurt to Louisville

ATHENA Summary

Last data refresh: 2024-08-06 at 12:45 PM UTC



Transportation Mode  Road

Lane Performance    External Events Impact High



Lane Overview

Routes (2)

Shipments (30/64)

Date Range

April 1, 2025

Oct 30, 2025

Product

Product A



**Lane Performance**  
Needs Attention



**External Impact**  
High



**Device Performance**  
Optimal

**CO2 Emissions**  
0.153 metric ton

**Packaging Performance**  
Coming Soon

## External Risk Impact ⓘ

Route

Select

Waypoints / Segments

6 Options...

Event Type

4 Options

Event Severity

3 Options



## External Events (31)

EVENT TYPE	HIGH	MEDIUM	LOW
 Weather (6)	 2 events	 3 events	 1 event
 Air (6)	 5 events	 —	 1 event
 Marine (2)	 —	 1 events	 1 event
 Geopolitical (3)	 —	 1 events	 1 event

## External Events Feed

 Geopolitical • starting: 06/05/24 at 12:45 PM

High

**Maria is the strongest ever storm to make landfall on Mexico's west coast**

Disruptions: Airport disruptions, Flight disruptions, Factory disruptions

 Weather • starting: 06/05/24 at 12:45 PM

High



## Maria is the strongest ever storm to make landfall on Mexico's west coast

Maria is the strongest ever storm to make landfall on Mexico's west coast. The hurricane underwent explosive intensification from a Category 1 to Category 5 in just 12 hours, catching forecasters by surprise. The National Hurricane Center (NHC) described it as the most rapid intensification ever recorded... [Read More](#)

### OVERVIEW

<b>Start Date</b> 11 May 2024, 12:04:14	<b>End Date:</b> 18 May 2024, 12:04:14	<b>Data Source</b> Data Source Name	<b>Location</b> Mexico (west coast)
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### EVENT SEVERITY DYNAMICS



High

## Frankfurt-Port of Rotterdam-Port of Savannah-Port of Elizabeth-Louisville Ky



Impacted Waypoints/Segments: 10 | [Review](#)



Frankfurt

External  
Events Im...

Medium



Frankfurt to  
Port of Rotterdam

External  
Events Impact

High



Port of Rotterdam

External  
Events Impact

Low



Port of Rotterdam  
to Port of Savannah

External  
Events Impact

High



Medium

## Frankfurt-Port of Rotterdam-Port of Savannah-Port of Elizabeth-Louisville Ky



Impacted Waypoints/Segments: 10 | [Review](#)

### Lane Performance



Needs Attention

### External Events Impact



High

### Device Performance

Optimal

### CO2 Emissions

0.153 ton

## Ping Rate Insights



Expected Ping Rate and Tolerance (10%)

**60m ± 6m**

Avg. Ping Rate

**67m**

+ 7m

— Expected ■ Recorded ping rate range

Ping Rate (min)





Avg. Battery % at Start of Shipments

**95%**

+ 3 %

Avg. Battery % at End of Shipments

**28%**

+ 2 %

## Device Performance Map

Route

Route B, Route C



— ping rate ( $60 \pm 6$  min) — ping rate ( $> 75$  min) — ping rate ( $> 90$  min)

● Route B ● Route C



Frankfurt to Port of Rotterdam

Avg. Battery Consumption: 70%

Avg. Ping Rate: 60m



Frankfurt to Port of Rotterdam

Avg. Battery Consumption: 70%

Avg. Ping Rate: 60m



Frankfurt to Port of Rotterdam

Avg. Battery Consumption: 70%

Avg. Ping Rate: 60m

← Back

# Lane: Frankfurt to Louisville

ATHENA Summary

Last data refresh: 2024-08-06 at 12:45 PM UTC

Transportation Mode  Road

Lane Performance  External Events Impact High

Lane Overview

Routes (2)

Shipments (30/64)

Date Range

April 1, 2025

Oct 30, 2025

Product:

Product A

Lane Performance  
Needs Attention



External Impact  
High



Device Performance  
Optimal

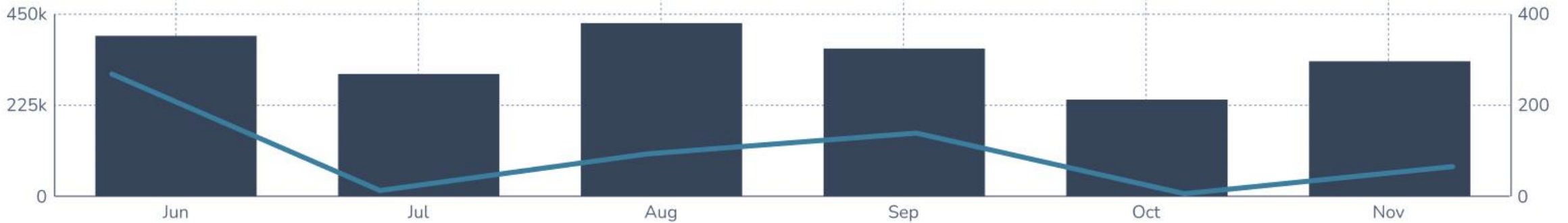
CO2 Emissions  
0.153 metric tons

Packaging Performance  
Coming Soon

## Lane CO2 Emission

CO2 metric ton

Shipment Count







# Risk Scenario Analysis

You can select and compare up to 3 items

Group:

Company:

Lane Origin \*

Lane Destination \*

Last data refresh: 2024-08-06 at 12:45 PM UTC



ITEM 1



Route

Shipment ID

Mode of Transportation



Route \*



Waypoint or Segment



Product



Timeframe



ITEM 2



Route

Shipment ID

Mode of Transportation



Route \*



Waypoint or Segment



Product



Timeframe



ITEM 3



Route

Shipment ID

Shipment ID \*



Waypoint or Segment



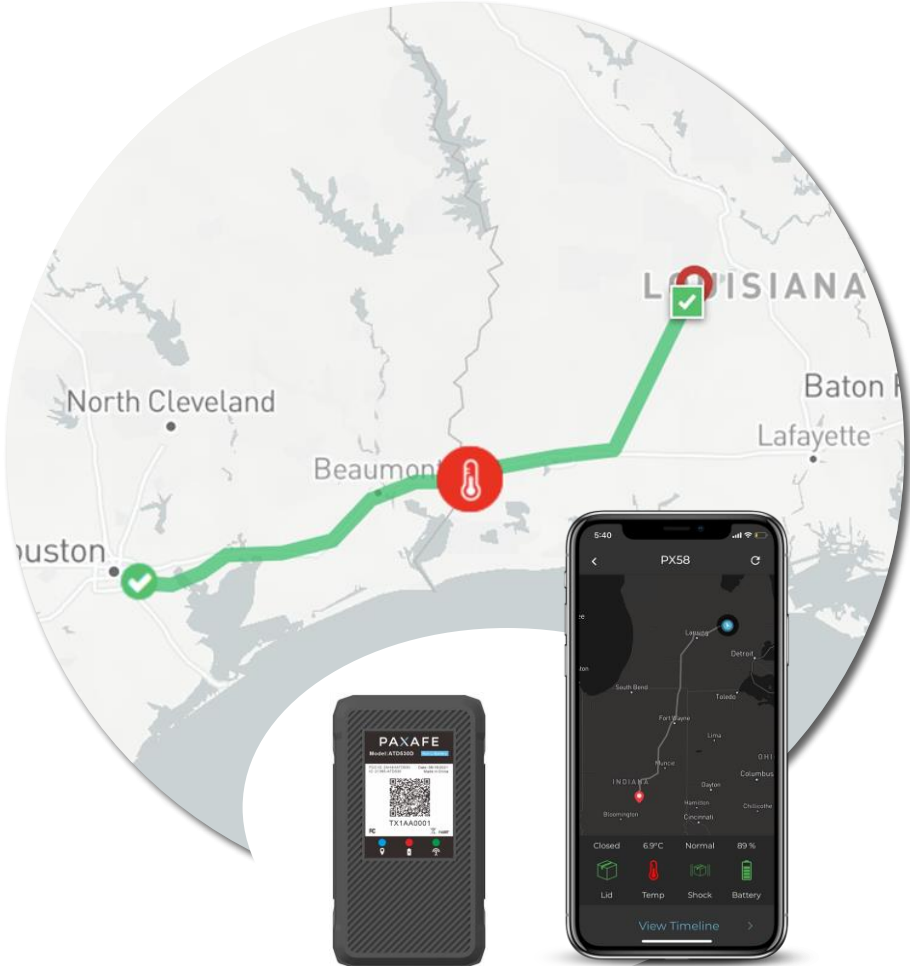
Product



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