



Navigating the Future: Top Trends Transforming On-Demand Logistics

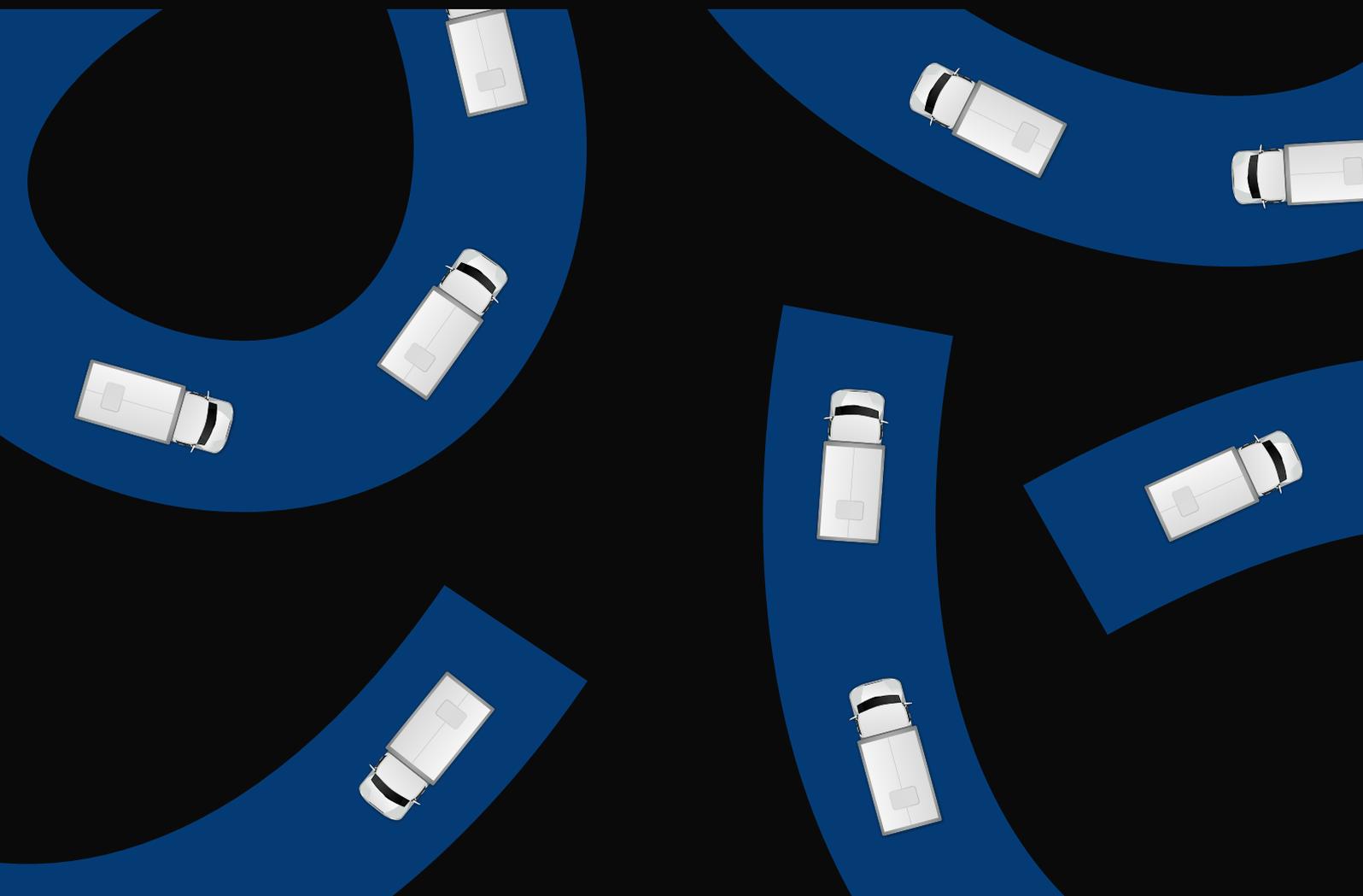


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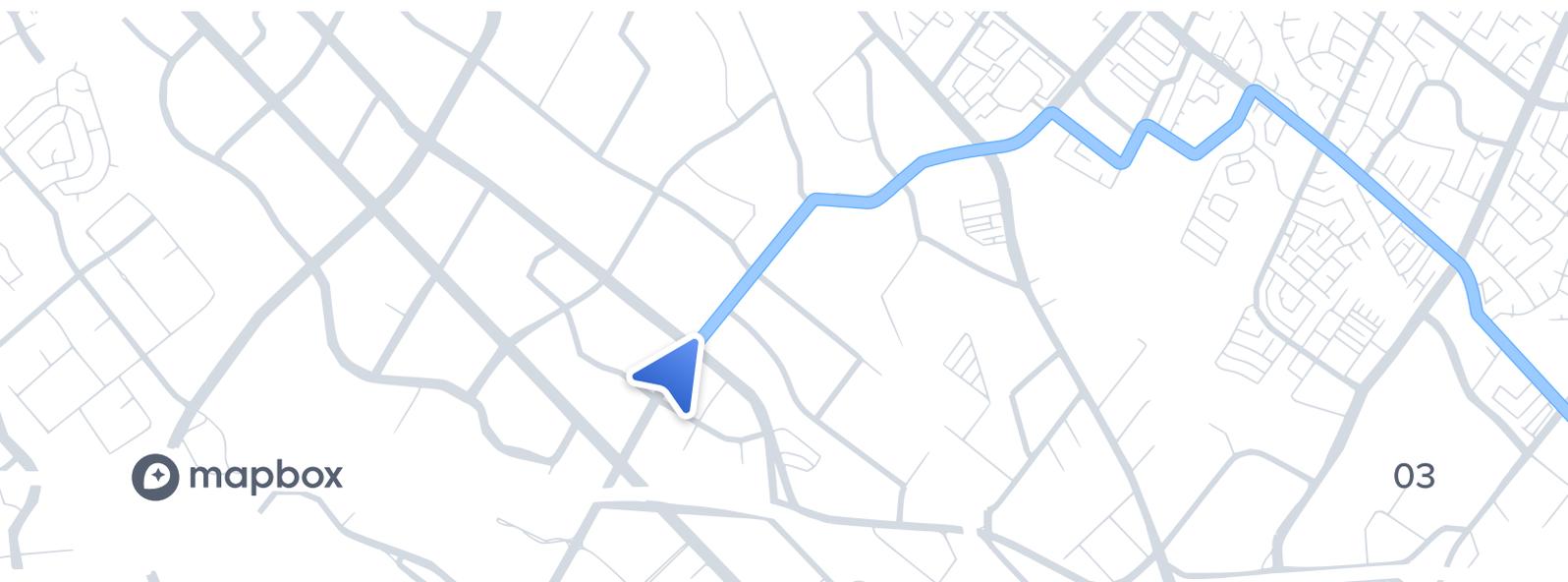
Trends Transforming On-Demand Logistics

The logistics industry is about to undergo a major transformation, thanks to new technology and changing consumer expectations. As we head into a future where speed, efficiency, and sustainability are key, it's essential to keep up with the trends reshaping on-demand logistics.

This eBook dives into the top trends driving innovation and shows how location intelligence is at the heart of these changes:

- 1 The rise of e-commerce and omnichannel fulfillment
- 2 Urbanization and the "last 100-Meters delivery challenge"
- 3 Micromobility and sustainable delivery solutions
- 4 The sharing economy and collaborative delivery platforms
- 5 The rise of autonomous vehicles

Keep reading to learn how these trends are setting the stage for the future of logistics.

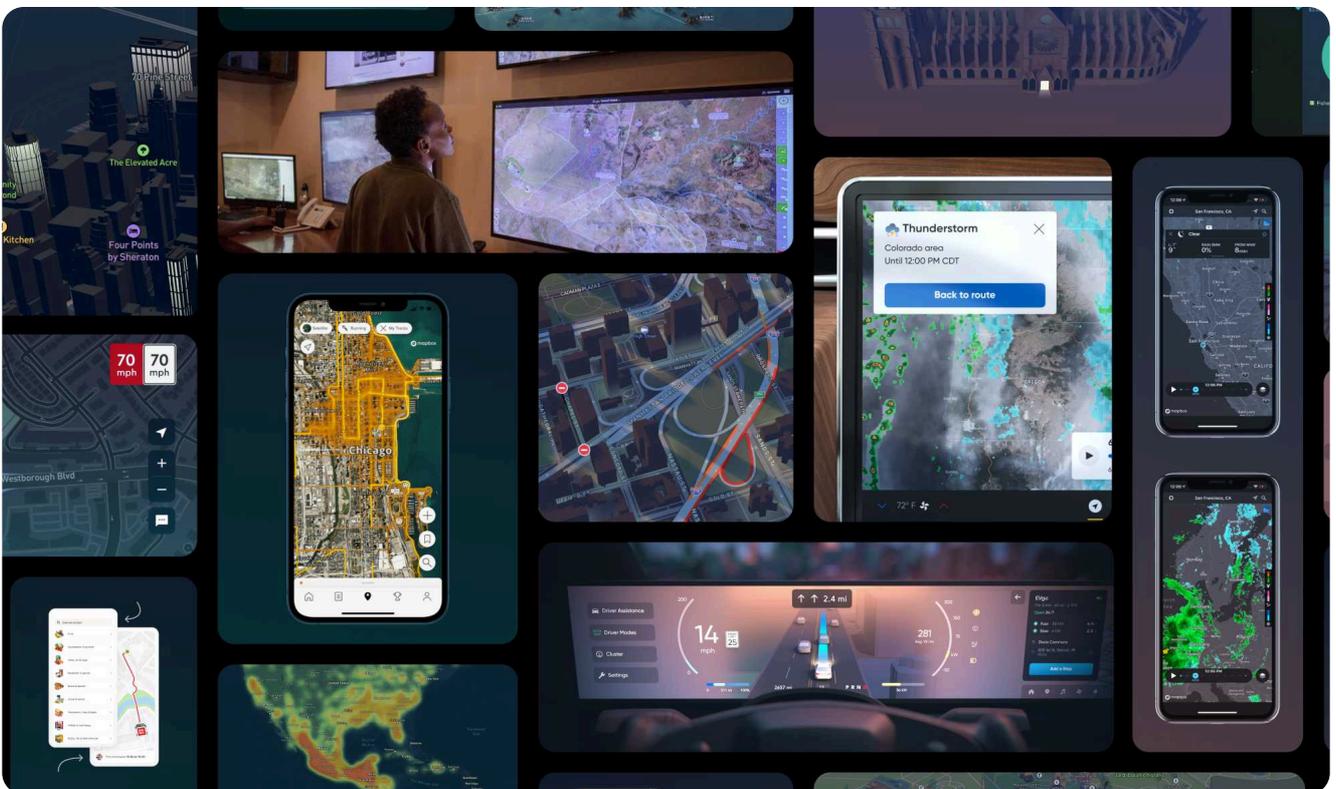


TREND #1

The Rise of E-commerce and Omnichannel Fulfillment

The global on-demand logistics market is set to hit \$1.9 trillion by 2030 ⁽¹⁾, thanks to the continued growth of e-commerce. The ‘need it now generation’ want their deliveries fast — including same-day or express options. On-demand logistics is constantly evolving to meet demand by fine-tuning routes and schedules to make deliveries quicker than ever.

With the help of location intelligence, capabilities such as [geocoding](#), [traffic updates](#), [navigation SDK](#), and route [optimization](#) software help logistic companies streamline delivery routes and improve operational excellence from order to arrival.



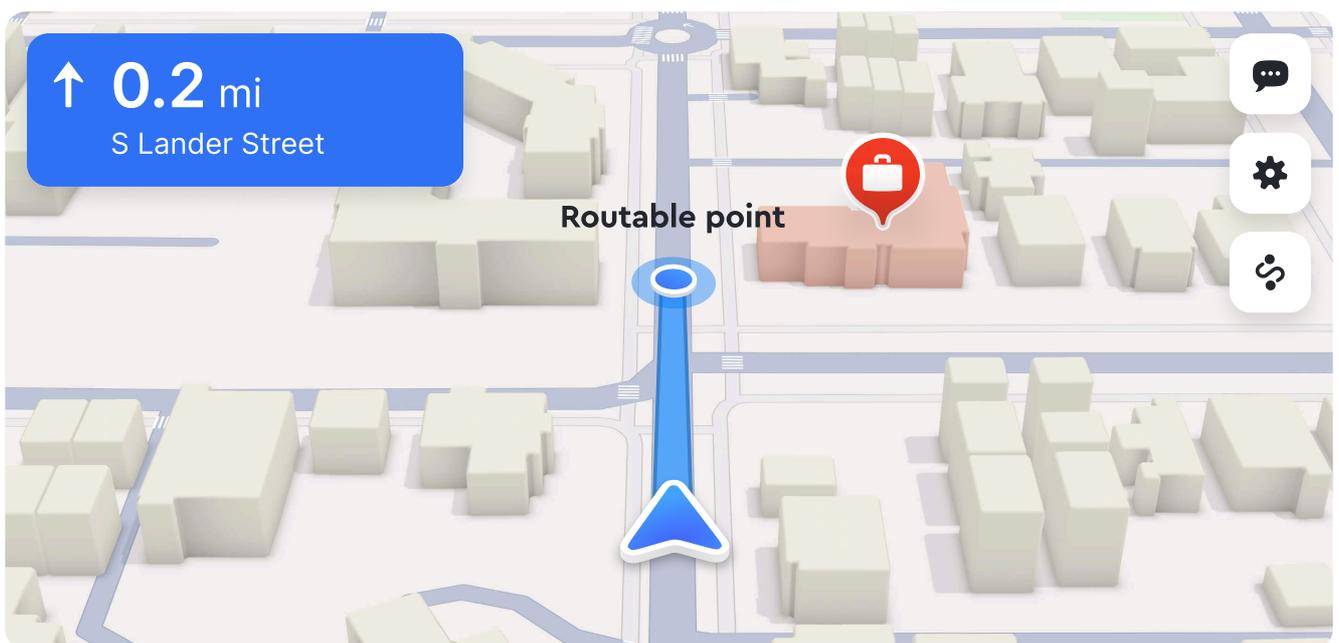
TREND #2

Urbanization and the "Last 100-Meters Delivery Challenge"

The last 100 meters of delivery is often the most challenging, especially in complex environments such as apartment complexes, campuses, or large business suites. Even with the correct address, finding the doorstep can be difficult, resulting in lower first-time delivery success, more no-delivery instances, and delays, which affect operational efficiency and customer satisfaction.

By 2050, 89% of the U.S. population and 68% of the global population will live in cities ⁽²⁾, making the "last 100 meters" of delivery increasingly challenging due to more traffic and fewer parking spots. This underscores the need for solutions to improve delivery precision in crowded areas.

To address these challenges, accurate location data and route planning tools are essential. These tools factor in traffic patterns, while advanced location intelligence — such as [apartment-level searches](#), address verification, and [3D building models](#) — enhances consistency, streamlining the final delivery process.

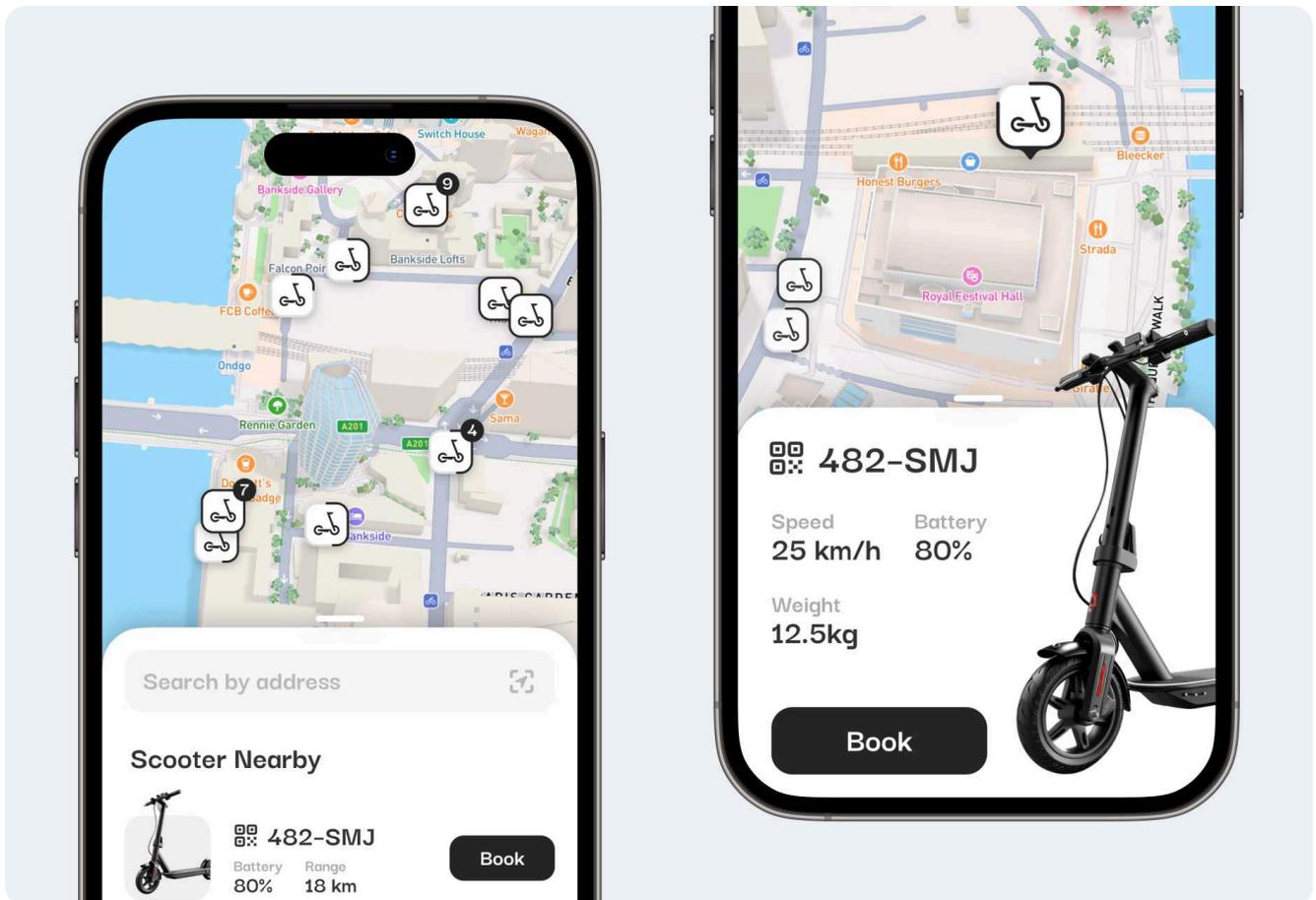


TREND #3

Micromobility and Sustainable Delivery Solutions

The micromobility market is set to grow significantly, with expectations reaching \$360 billion by 2030 globally ⁽³⁾. This trend is driven by sustainability concerns and the need for more efficient urban transport solutions. Because of this, more companies are adopting EVs, bicycles, e-scooters, and even drones for urban deliveries.

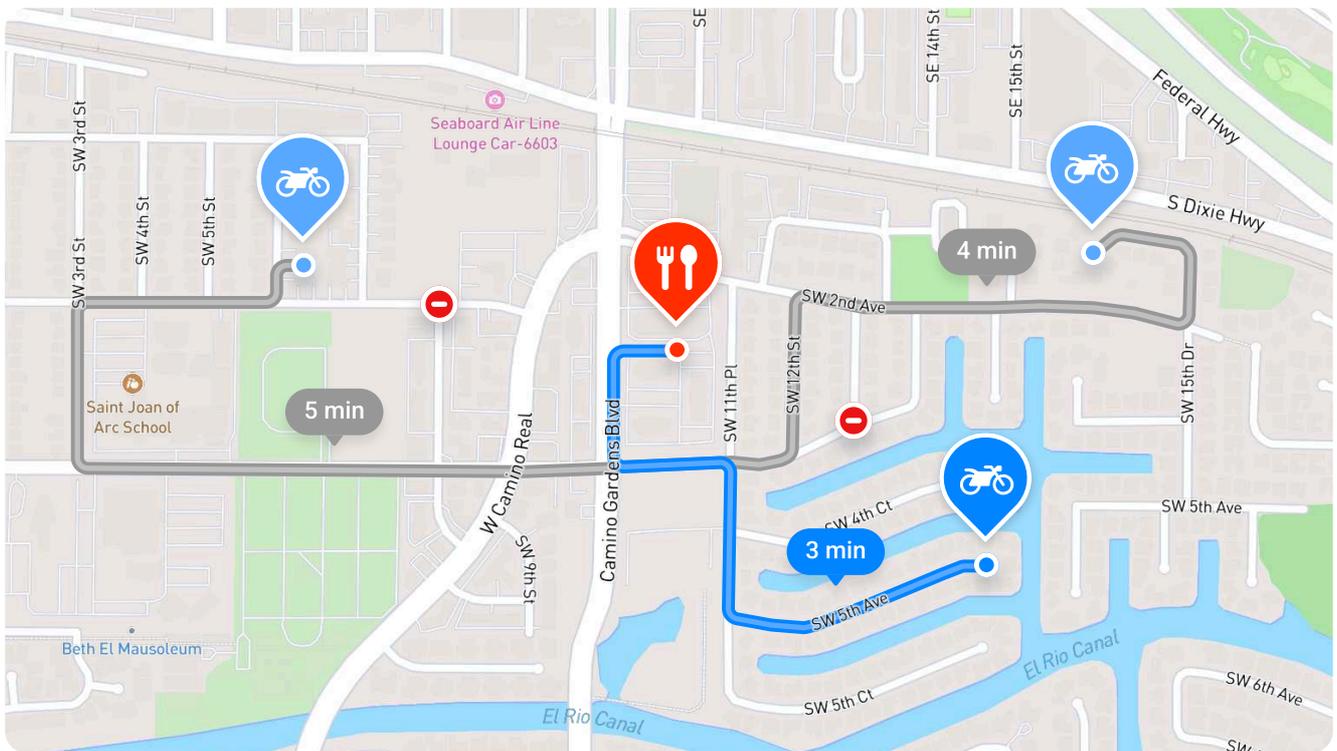
Location intelligence is crucial for optimizing routes for these [alternative](#) delivery vehicles, ensuring that deliveries are efficient, accurate, and safe. Solutions such as [Mapbox BYOND \(Zone Avoidance\)](#), [Directions](#), and [Navigation SDKs](#), can assist in managing these options.



TREND #4

The Sharing Economy and Collaborative Delivery Platforms

The sharing economy has transformed resource utilization, paving the way for collaborative delivery platforms in on-demand logistics. Platforms like Instacart and DoorDash connect independent drivers with businesses, creating a flexible and scalable delivery network. These systems optimize the use of vehicles and drivers, improving overall operational efficiency in the logistics ecosystem.



Collaborative platforms rely on location intelligence to match drivers with delivery requests, and provide order tracking. Key tools such as [Accurate geocoding](#), [matrix](#), [Maps](#), and [navigation SDKs](#) play a critical role in enhancing the delivery experience.

TREND #5

The Rise of Autonomous Vehicles

By 2035, autonomous driving is expected to generate between \$300 billion and \$400 billion in revenue ⁽⁵⁾ and it's all thanks to the rise of self-driving technology.



Autonomous delivery vehicles have the potential to offer faster, more cost-effective, and around-the-clock delivery options. By operating independently of driver availability and traditional delivery schedules, they can ensure consistent and timely package delivery.

To make this happen, autonomous vehicles rely on advanced tech such as high-precision maps (ex: [Autopilot Map](#)), [traffic updates](#), and [Search data](#) to navigate safely and efficiently.

CONCLUSION

Looking Ahead

The world of on-demand logistics is changing fast, and it's all about speed, efficiency, and sustainability. With e-commerce booming, omnichannel fulfillment expanding, and new [micromobility](#) and autonomous vehicles on the rise, the industry is seeing some major shifts.

That's where location intelligence from Mapbox comes in. Our solutions and data are crucial for navigating the complexities of modern logistics, and having the right location insights can make all the difference.

To stay ahead in this fast-paced landscape, any company that needs to move products or people from A to B should embrace these trends these trends and harness the power of location intelligence. It's the key to operational excellence and meeting the growing demands of the on-demand economy, so let Mapbox help you lead the way.

Unlock the full potential of your on-demand logistics network with [Mapbox](#).

Learn more about
Mapbox for ODL

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Sources

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