

# GLOBAL TRANSPORTATION LEADER BOOSTS ROI WITH FLEET MANAGEMENT SYSTEM REINVENTION

CLIENT STORY OVERVIEW

### ABOUT THE CLIENT

This global transportation company is one of the world’s most recognizable brands, offering vehicle rental and auto-sharing services to customers across six continents through multiple brands.

### IMPACT

- 99% faster processing time
- Projected labor savings of approximately **\$2.4 million**
- Detailed visibility and tracking of **1.6 million vehicles**

### KEY SOLUTIONS

- Enhanced Fleet Management
- Proactive Insights
- Intuitive Dashboards
- Labor Planning Tool

### INDUSTRY

Transportation

### KEY TECHNOLOGIES

- ✓ Palantir Foundry
- ✓ Python (Propagation Models)
- ✓ TypeScript
- ✓ Data Bricks
- ✓ Tableau

## STORY HIGHLIGHTS

### Optimizing fleet utilization

A modern, AI-powered fleet management system has automated previously manual processes to improve performance and operational efficiency.

### Matching the right vehicles with the right customers

Real-time visibility into vehicle inventory and usage enables the company to accurately predict fleet needs and match supply with demand.

### Improving decision-making

All four business units gained the independence and autonomy to implement and optimize systems based on their individual needs and goals.

**\$2.4 million**

**PROJECTED LABOR SAVINGS**

## CHALLENGE

### Inefficient, manual fleet management processes

Staff were physically counting thousands of vehicles in parking lots. For major rental locations, more than 50,000 vehicles had to be counted manually. This process was slow, inefficient, and prone to error, which hampered performance and productivity. An automated system was needed to optimize efficiency and allow staff to focus on higher-value tasks.

### Lack of real-time visibility into inventory

Staff were juggling multiple systems to track vehicle inventory across multiple brands and locations, and they were relying on manual calculations to predict fleet needs. Without real-time visibility, resource allocation was inefficient and the company had difficulty applying analytics and making data-driven decisions. The company required a scalable solution that could seamlessly integrate their legacy systems into a modern, AI-powered platform.

## SOLUTION



### Modern fleet management system

Resultant implemented a comprehensive, technology-driven fleet optimization solution through a multi-phased process, which began with the development of an AI-powered solution on the Palantir software platform. Critical car classification and brand-specific fleet-tracking capabilities with variable granularity were added to the company's existing proprietary fleet management application to support automated inventory tracking.



### Unified data platform with intuitive dashboards

Multiple data sources were integrated to create a single source of the truth. Resultant streamlined the codebase and added new features to improve performance. Data can now be pulled from the company's proprietary systems through Data Bricks pipelines into Palantir Foundry, where our propagation models process data and present actionable insights through an intuitive interface. Beyond the core application, Tableau dashboards were created to track system accuracy and usage patterns. Real-time visibility into vehicle inventory and usage helped build operator trust in the new, automated approach.



### Reliable predictive vehicle availability

The solution centers on a Python propagation model that predicts vehicle availability by location and time. This feeds into a TypeScript frontend that presents the data in an operator-friendly format. We enhanced the existing architecture to handle car class and brand distinctions while eliminating code redundancies to improve performance. The new solution improves predictive fleet needs while enabling real-time forecast adjustments. Resultant met with the company's team three times weekly to review progress, gather feedback, and capture real-world usage insights. The development approach focused on building reusable components and setting up quality checks to handle errors gracefully. This allowed us to add features like brand-specific returns tracking without disrupting the core functionality relied upon by operators.

## RESULTS

- ✓ **Immediate, sustained ROI**  
Resultant's expertise in transportation and fleet management made it possible to rapidly identify and prioritize the most impactful use cases, ensuring maximum ROI from day one. The Resultant team collaborated closely with the company's IT and operations teams, mentoring them on best practices in AI-driven analytics and cloud architecture to ensure long-term success.
- ✓ **Fleet management, reimagined**  
The enhanced, AI-powered fleet management system has transformed how the company manages its fleet. Instead of spending hours manually counting vehicles, operators can focus on optimizing fleet utilization. The system's accuracy improves over time as operators make adjustments, creating a virtuous feedback loop for continuous optimization.
- ✓ **Operator confidence in data-driven decisions**  
With more than 1.6 million vehicles across the network, operators now have detailed visibility into vehicle types (such as EVs, SUVs, and specialty vehicles) and can track returns for each of the company's vehicle rental brands. This granular view helps optimize fleet utilization, with estimated process time reductions of up to 99 percent and projected labor savings of approximately 2.4 million manual hours annually across the network. With a unified, "one-stop shop" system that has replaced multiple legacy systems, operators now have confidence in fleet projections and their ability to meet customer demand. Based on standard industry labor rates, these efficiency gains could represent an estimated \$60M in annual labor cost savings while improving accuracy and enabling staff to focus on higher-value activities.



## FUTURE

An agile, business-focused partnership has enabled Resultant to address the vehicle rental company's unique needs while maintaining the flexibility to adapt to evolving operational requirements. Operators have embraced the new fleet management system and unified data platform and are actively suggesting new features and use cases based on early wins. In fact, they have already started using the solution to improve labor planning and optimize staff scheduling based on predicted vehicle turnover rates.

Based on typical industry labor costs and processing times, Resultant estimates this staffing optimization could drive additional savings of \$2-3M annually per major location.

Already among the most successful vehicle rental brands in the world, the company now has a scalable, future-ready data infrastructure to support new use cases, drive innovation, and sustain long-term growth.

**Contact us to learn more about our transportation and fleet management capabilities. |**

## About Resultant

Our team believes solutions are more valuable, transformative, and meaningful when reached together. Through solutions rooted in data analytics, technology, and digital transformation, Resultant serves as a true partner by solving problems with our clients rather than for them.

Find out more at [RESULTANT.COM](https://www.resultant.com)

