The automotive industry leader have put the spotlight on innovation and technology advancements are driving a disruptive transformation. Will your supply chain enable you to continuously adapt to the key trends that are shaping the industry:

**New Business Models Causing Disruption**

By 2030 more than $5 million conventional cars per year could be replaced by a combination of fully autonomous electric vehicles for urban fleets and partially autonomous cars for personal use, a shift that undermines current industry business models.¹

**The Passenger Economy is a Driving Force**

As much as $800 billion could be generated by 2035 by the passenger economy, while as much as $7 trillion could be in play by 2050. For the automotive industry this means we will likely continue to see large tech companies looking to disrupt.²

**Technology Advancements Unleash Transformations**

From IoT and AI to the connected vehicle and vehicle as a marketplace, vehicles are becoming a battleground for buyer’s attention and new subscription service models for everything from insurance-on-demand to a la carte menu of car features on demand.³

When the importance of the decision requires the smartest analysis, innovative auto makers companies rely on LLamasoft to show them trade-offs and options for how their supply chain should be designed to create desired business outcomes. The LLamasoft Digital Design and Decision Center puts powerful answers in the hands of supply chain decision makers - across strategic, mid-range and operational time horizons – making data-driven decisions a reality within and across supply chain functions. With the ability to visualize, simulate and optimize your end-to-end supply chain processes, you’ll be able to answer the most complex supply chain transformation questions.
Supply Chain Design Makes a Difference

Auto makers that proactively redesign their supply chains with LLamasoft can respond rapidly to changing market conditions and design their supply chains to balance the tradeoffs of profitability and service goals. Our automotive customers identify an average of 10.4% total variable cost savings while driving operational transformations – requiring new interconnected decisions across supply chain functions including:

- Network Design
- Transportation Optimization
- Inventory Optimization
- Capacity Planning & Risk Analysis

How are Global Automotive Companies Leveraging Smarter Supply Chain Decisions?

LLamasoft automotive customers include some of the largest and most innovative companies in the world. Here are stories of automotive customers’ achievements with LLamasoft solutions:

- A major automotive manufacturer increased distribution center throughput by 9.4%
- A major automotive manufacturer added $23 million to their bottom line.
- Bringing 238 additional dealers into a one-day delivery service window, which was a 28% improvement from baseline. The manufacturer wanted to improve service levels in their Asian parts network. Using LLamasoft, the project team built a baseline model of their existing network. Armed with the model they used network optimization, product flow analysis, and greenfield capabilities to determine the number and location of depots needed to meet defined service requirements at the optimum cost. The results were three network-wide scenarios and in the best scenario, adding four new distribution centers in the Asia-Pacific region resulted in an increase in their distribution center throughout.
- While improving overall visibility into parts distribution and maintaining best in class service levels. The manufacturer wanted to improve the structure of its Australian service parts distribution to align it with the brand’s global strategy for service parts and make it a competitive advantage. They worked with LLamasoft to group their SKUs to a manageable quantity and used greenfield analysis to identify common Australian logistics locations to calculate costs of potential new distribution center locations. They built a model using LLamasoft that identified the optimal locations and facility sizes for multiple regionally managed distribution centers in Australia. This resulted in improved end-to-end distribution of services parts.