

TRANSFORMING AUTOMOTIVE OPERATIONS WITH INFOSYS



The automotive industry is undergoing a transformative shift, driven by dynamic technological advancements and changing market expectations. Consequently, both the automotive components manufacturing and automotive aftermarket are poised for expansion. Industry leaders are capitalizing on these changes by turning complex supply chains to their competitive advantage. By prioritizing superior customer experience, agile fulfillment models, sustainable remanufacturing, and effective management of millions of spare parts and variants, they are rapidly outpacing competitors.

Automotive Industry Solution Overview





Infosys offers a comprehensive, AI-enabled solution for automotive component manufacturers, aftermarket sales and distribution companies, as well as emerging electric vehicle (EV) value chain startups.

Built on industry best practices, and AI use cases focused on unique process challenges of the automotive industry the integrated platform leverages the extensive capabilities of Oracle SaaS Cloud and advanced business analytics. Additionally, it incorporates intelligent, purpose-built process automation to ensure smooth transactions with trading partners and regulatory bodies.

With pre-configured, industry-specific custom components, the solution accelerates digital transformation and cloud adoption, driving tangible business value. Embedded artificial intelligence (AI) further enhances decision making and process optimization, powering innovation and agility in the automotive industry.

Key Components of Automotive Industry Solution

The primary features of our solution include:

 <p>Remanufacturing and circular logistics:</p> <p>Driving sustainability, control, and end-to-end material traceability</p>	 <p>Agile planning:</p> <p>Handling millions of stock-keeping units (SKUs) across complex, multi-node supply chains at speed</p>	 <p>360-degree supply chain risk visibility:</p> <p>Achieving complete visibility and obtaining proactive insights</p>	 <p>Streamlined workbenches:</p> <p>Boosting user experience, productivity, and efficiency across sales, procurement, and returns</p>	 <p>Real-time supply chain collaboration:</p> <p>Fostering instant, seamless interactions with trading partners to drive productivity</p>
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Success Stories

01

A global automobile manufacturer deployed Automotive Industry Solution to revamp spare parts management and operations. Our solution enabled more resilient business processes, agile planning, and lean warehouse management

Key outcomes:

- 22% improvement in order fill rates within the first year
- 98% network fill rates, up from a previous average of 92%

02

A prominent US-based automotive distributor and dealer optimized their supply chain operations with Automotive Industry Solution. The company integrated the following modules:

- Sales Workbench to manage multi-source orders
- Planning Workbench for efficient parts planning with supersession and resource allocation
- Real-time collaboration with suppliers for order and change management
- Returns logistics through parts traceability

Key outcomes:

- 15% improvement in manufacturing resource utilization
- 12% increase in supplier on-time performance
- Streamlined returns logistics via enhanced traceability

03

An electric vehicle startup in the US transformed its supply chain operations with Automotive Industry Solution. Key capabilities included streamlined spare parts order management through the Sales Workbench, end-to-end traceability for battery remanufacturing, and demand-supply balancing via the Planning Workbench – optimizing new and refurbished battery components.

Key outcomes:

- 30% reduction in ordering errors and order modification delays
- 100% battery component traceability, strengthening quality and regulatory compliance in remanufacturing
- Improved manufacturing efficiency, lower costs and faster time-to-market

04

A leading American automotive engine manufacturer revolutionized their parts distribution operations with Automotive Industry Solution. The company leveraged the Sales Workbench to optimize multi-channel parts ordering across drop-ship and make-to-stock orders. The Planning Workbench simulated demand and supply exceptions for streamlined management of over 400 suppliers. The solution also facilitated centralized procurement using a shared services model along with real-time supplier collaboration for fast-selling SKUs.

Key outcomes:

- 23% faster order turnaround time
- 12% reduction in maverick spend, ensuring procurement control and visibility
- Increased agility in managing supply chain disruptions



05

An automotive engine manufacturer in the US adopted Automotive Industry Solution as a unified enterprise resource planning (ERP) platform to manage their new power generation business, including EVs and hydrogen-powered systems.

The company implemented the following capabilities:

- Sales Workbench to streamline sales operations and order scheduling
- Planning Workbench for replenishment planning
- Supplier Workbench to fast-track supplier onboarding and real-time collaboration for fast-moving inventory
- Point-of-use transactions through mobile supply chain applications and labeling
- Customer consignment management with advanced analytics and reporting

Key outcomes:

- 20% reduction in supplier onboarding time
- 25% drop in delivery date modifications
- Elevated operational efficiency through intuitive dashboards for planning and margin analytics
- Enhanced decision making across supply chain and manufacturing functions

For more information, contact askus@infosys.com

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