

# Transportation Orchestration

Global logistics can be complex. Multiple parties, multiple modes, multiple flows, multiple geographies – all can result in a struggle to achieve the necessary insight and visibility into fragmented logistics operations. Despite innovations in supply chain, logistics teams still face the day-to-day challenge of trying to pull together coherent data by scrolling through spreadsheets, reading paper documents, sending e-mails, and making phone calls. This can lead to inefficiencies, additional costs, delays, and frustration.

Oracle’s Transportation Orchestration solution integrates shipment data in a single platform, providing the ability to rapidly evaluate potential changes to your logistics operations and measure their impact in a real and meaningful way, without the need to deploy a full transportation management system (TMS).

### Key business benefits

- Improve business agility
- Streamline processes through automation
- Provide visibility into transportation operations
- Avoid carrier lock-in
- Increase sustainability
- Identify and unlock new savings
- Build supply chain resilience
- Faster time to value

### Orchestration is the new visibility

Supply Chain and Logistics leaders face key challenges that include understanding their transportation and logistics data, optimizing resources within their logistics network, and making decisions around carriers and other transportation providers. Achieving end-to-end visibility is no longer enough, but also requires the ability to take necessary action. This involves integrating key processes into a seamless flow of information and enabling accurate and rapid evaluation of business-critical decisions.

While the supply chain has never before generated so much data, many companies struggle to access it, and they do not necessarily have the technology or processes to integrate this data into their systems to be able to automatically drive new actions.

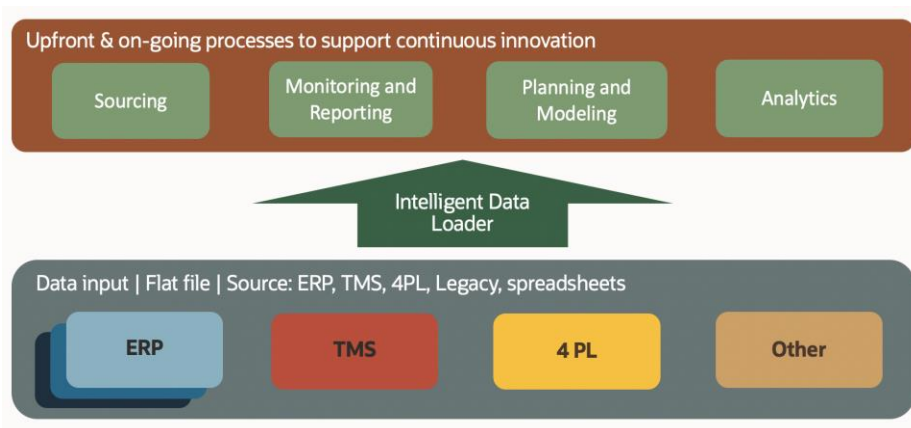


Figure 1. Orchestration Layer: Transportation Orchestration services

Transportation Orchestration allows you to use the power of analytics and “what-if” scenario modelling to accurately analyze your logistics options, tap into new savings, and even provide a first step into taking back control of your operations.

## Measure and run improvement simulations

Do you struggle to validate the true costs and benefits of outsourced transportation operations versus managing them in-house? This lack of visibility and inability to measure and evaluate options can lead to inefficiencies and higher costs.

Transportation Orchestration takes shipment data from any source and at any frequency – even as flat files – and then using a translation tool converts and enriches this data before bringing it into [Oracle Transportation Management Cloud](#). It lets you evaluate potential changes to your logistics operations and measure their impact in a real and meaningful way. It does this by using your operational data, avoiding the errors and uncertainty that are common in standalone tools.

Orchestration bridges the gap between data and action, combining the power of sourcing, planning and modeling, monitoring and reporting, and analytics.

Data input can be a flat file from your ERP or TMS systems, 4PL provider, or other legacy applications. With the data in Oracle Transportation Management, you can run the analytics to establish the status of your transportation operations, which may include metrics such as:

- Transportation cost per lane, per km or per mile
- Carrier scorecard analysis
- Carbon footprint

### Key features

- Measure impact of potential changes to logistics operations
- Flexible data input options
- Perform “what-if” scenario analysis and evaluate scenarios side-by-side
- Understand logistics data using a single platform
- Validate the costs of outsourcing transportation operations

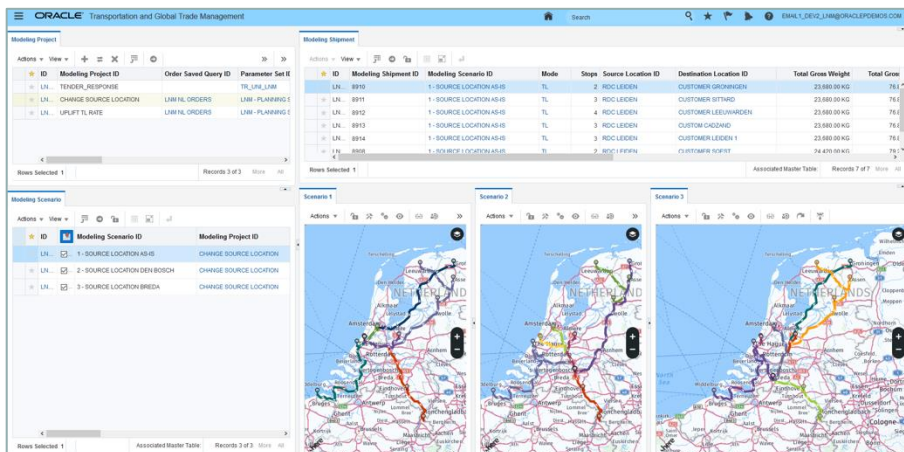


Figure 2. Transportation simulations

## Optimize opportunities within your transportation network

Perform “what-if” scenario modeling that lets you improve transportation planning efficiency and validate outsourced carrier operations without disrupting your daily operational transport planning. You can compare these metrics and use it as a baseline against a wide variety of scenarios, including:

- Changes in the transportation network
- Adjustment in costs
- Adjustment in volumes

The results of these scenarios can be shown side-by-side, allowing detailed comparisons that can help to evaluate and decide on which options are best for the business.

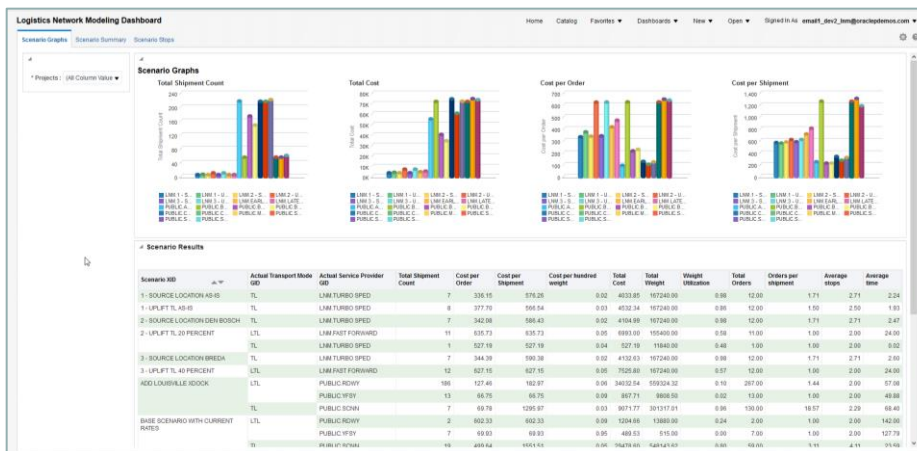


Figure 3. Transportation simulation analytics

## Validate existing business processes and networks

Review and challenge existing business processes by evaluating orders fed from your ERP or Order Management system, validate the results you are getting from your logistics providers, or consider changes to your transportation operations that could improve your carbon footprint.

By consolidating all transportation data together into a single platform you can take better control of your overall transportation costs. Reduce costs by eliminating costly errors in transportation invoicing by performing a 100% match against the transportation services delivered, regardless of whether planning is undertaken in-house or by logistics providers.

## Improve business agility and enable corporate strategy

Transportation Orchestration improves business agility by providing rapid and accurate evaluation of new transportation options. It avoids carrier lock-in, by giving you control of your logistics data. It helps identify and unlock new areas of savings, by validating the results of changes to logistics operations. For example, Orchestration could be used to evaluate options to meet corporate objectives such as maintaining levels of customer service while reducing carbon footprint.

By using a digital twin to simulate actual business outcomes, you can leverage logistics to support and enable company strategies that might kickstart a broader transportation management system (TMS) initiative.

### Related products

- **Oracle Transportation Management** manages all transportation activity throughout your global supply chain from planning, execution, and freight settlement.
- **Oracle Transportation Operational Planning** determines the best way to fulfill transportation needs and routing options optimizing rapid delivery and cost.
- **Logistics Network Modeling** performs accurate what-if scenario modeling to optimize your transportation network and considers the time and cost impact of proposed changes.

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