



# Power Supply Chain Network Design with Location Intelligence



## Introduction

Optimized supply chain network implies finding optimal locations for warehouses, distribution centers (DCs), factories, or production sites.

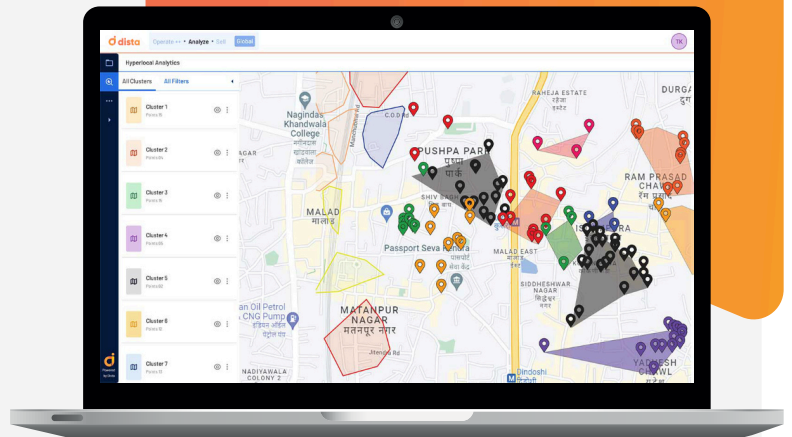
Define the flow of goods to balance delivery schedules, routes, fleet requirements, etc., with an agile supply chain network design.

**Master the art of network design with location intelligence and build agile supply chains.**

# Features

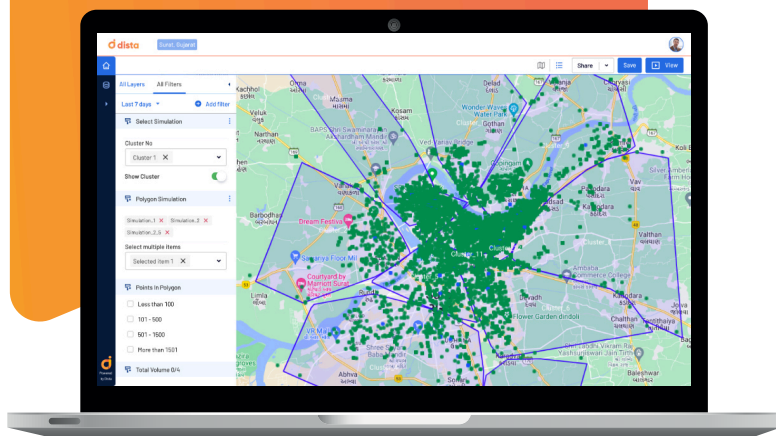
## Cluster Analysis

Visualize and create smart territory clusters on a map and use spatial analysis to find gaps. Use multiple business variables to identify the best locations for warehouses, DCs, etc.



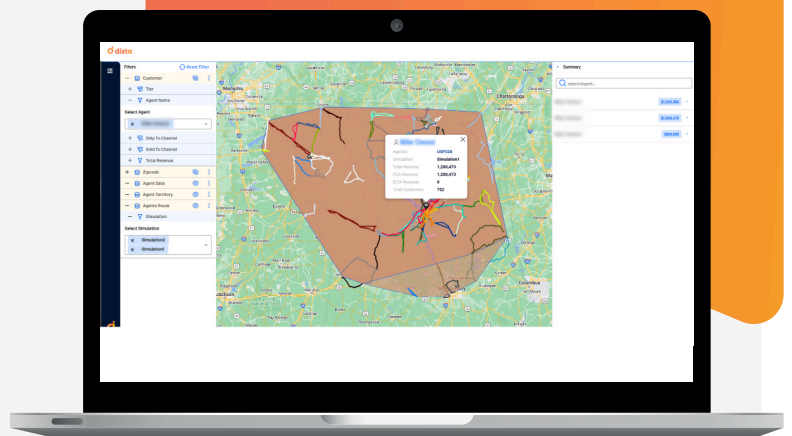
## Greenfield Analysis

Run simulations with minimum input data for a quick estimate of the optimal quantity of warehouses, fulfillment centers, or DCs. Create a roadmap of network design and explore options for further network optimization.



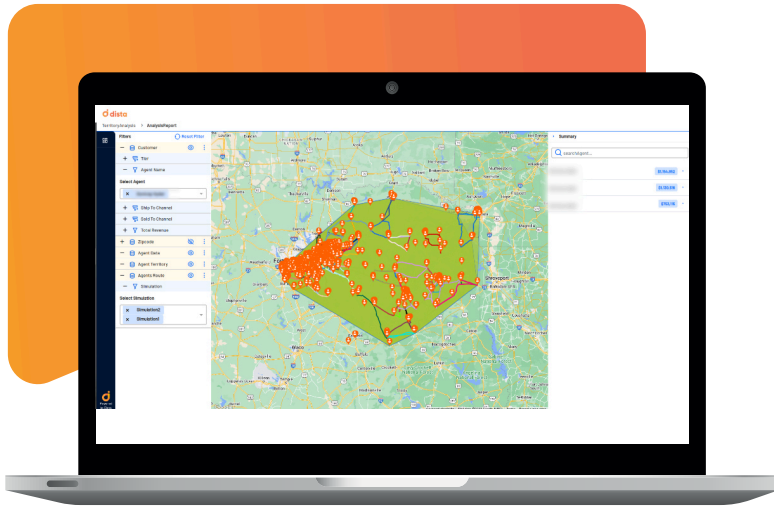
## What-if Analysis

Empower network design with multiple test scenarios and compare alternative outcomes to find the optimal placement of facilities. Finalize the best supply chain designs and service customers better at minimum cost.



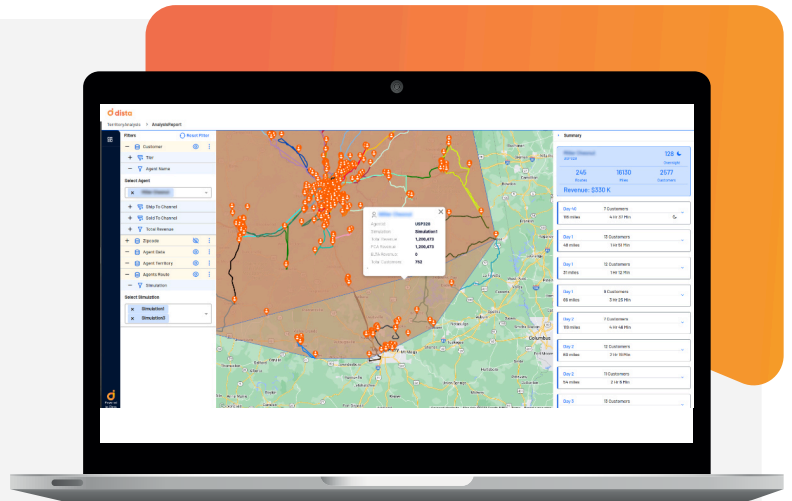
Forecast demand better and balance supply-demand by strategically placing warehouses, DCs, and production facilities.

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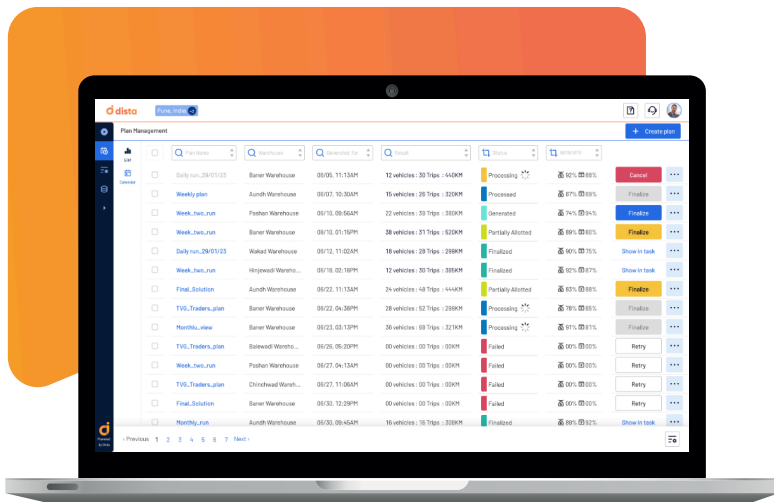


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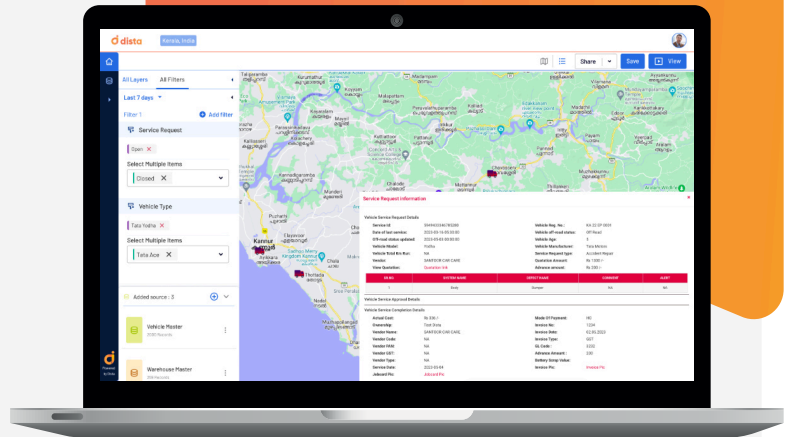
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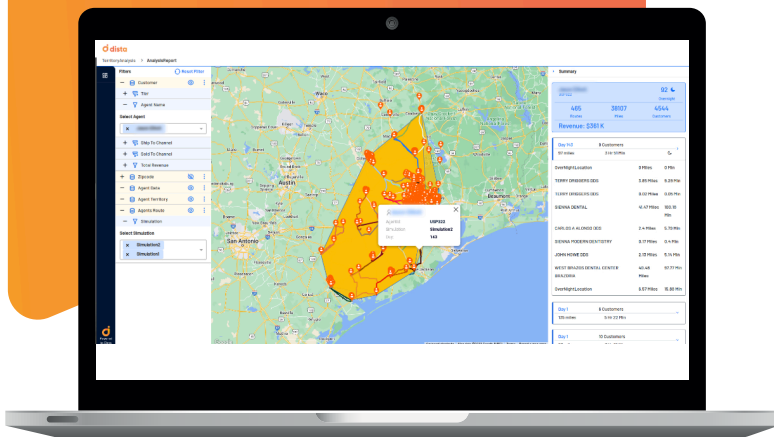
## Fleet Management

Track vehicles with real-time alerts of weather, traffic, route deviation and more. Assign optimal vehicles by vehicle capacity, delivery time, distance, etc., to improve network design efficiency, accuracy, and delivery speed.



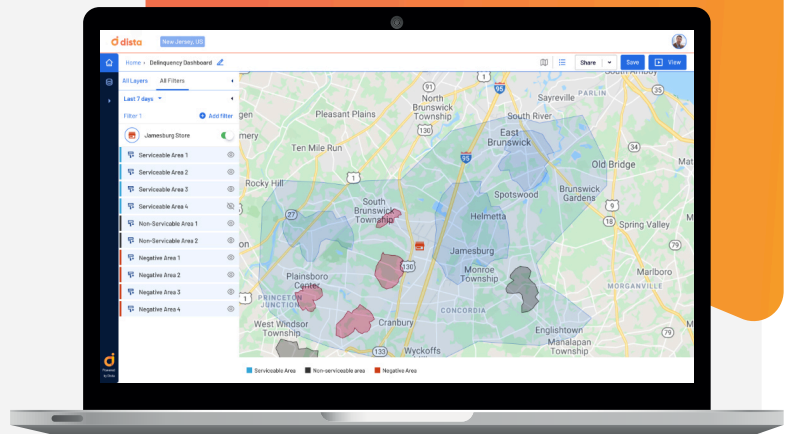
## Network Analysis

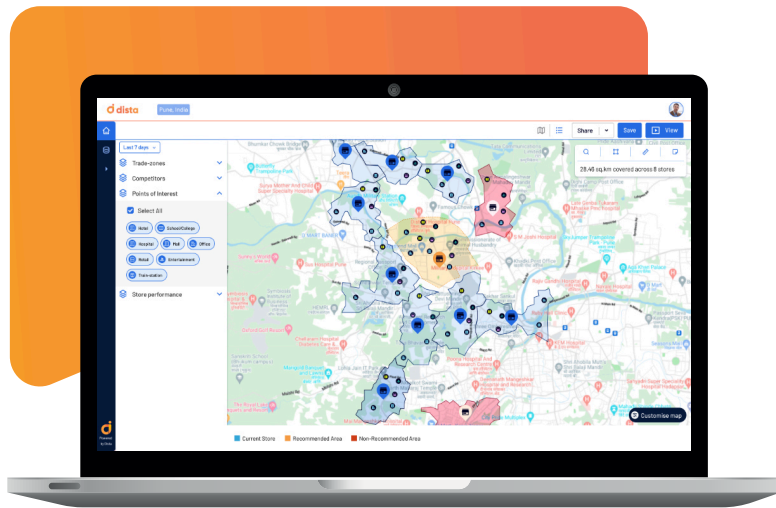
Measure network performance and assess each variable of the network design. Set benchmarks to determine the efficiency of network design. Build reliable supply chain networks by continuous optimization.



## Risk Analysis

Develop risk mitigation strategies by running simulations to incorporate all possible disruptions in the network design. Include alternate scenarios to optimize network design.



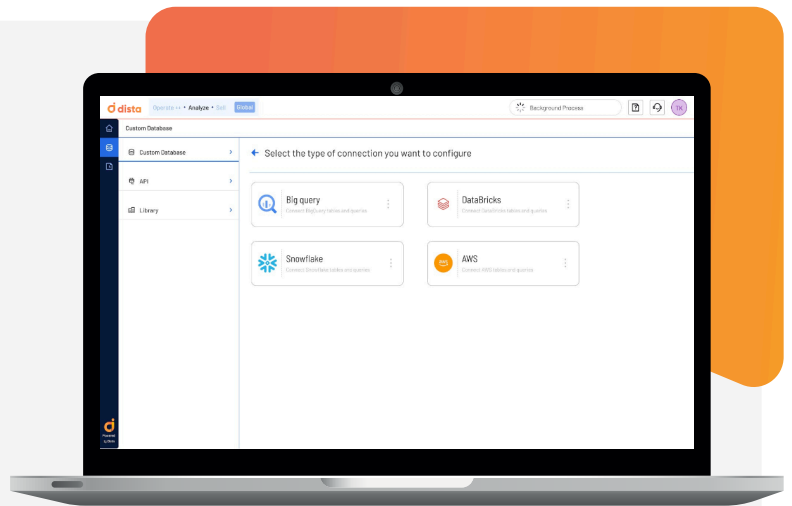


## Data Integration

Integrate data from supply chain networks with PoI (Point of Interest) data such as demographics, income, and competition to understand demand patterns better and enhance customer experience.

## Flexible Integration

Customize each variable of the supply chain network. Seamlessly input data from multiple sources, including ERP, procurement software, BI tools, etc., to create a comprehensive network design.



# Dista's Location Intelligence Framework

Reimagine supply chain network design with location intelligence

## Visualize

- Visualize supply chain and add contextual geospatial insights
- Find gaps in the network design and make improvements



## Strategize

- Use What-if analysis to run multiple simulations to find optimal placement for facilities
- Plan inventory by analyzing demand patterns using spatial analysis
- Optimize network design to include possible disruptions

## Operationalize

- Consider 150+ variables to design and plan optimal routes
- Run AI/ML-powered scheduling algorithms to sequence and balance order distribution
- Utilize optimal vehicles for transportation. Enable real-time tracking to improve network design visibility.

## Additional Resources

### Case Study

- [Leading E-Commerce Firm Leverages Dista Insight to Improve Supply Chain Network Design](#)

### Blogs

- [How Dista Optimizes Supply Chain Network Planning with Spatial Analytics](#)
- [Importance of Reverse Logistics in Supply Chain](#)