invent
ANALYTICS

OMNI-AI

An integrated, profit-optimizing supply chain solution suite that helps you win in an omni-future

Omni-AI for Omni-Retail
3 Pillars of Omni-AI

Omni-Network
Achieve omni-channel success by optimizing supply chain network design and fulfillment configuration

Omni-Plan
Inventory and Price Optimization

- Omni-Demand Forecasting
- Omni-Store & DC Replenishment
- Omni-Allocation Optimization
- Omni-Transfer Optimization
- Markdown Optimization
- Assortment Optimization
- Dynamic & Competitive Price Optimization

Omni-Fulfillment
Minimize fulfillment costs and maximize inventory availability with profit-optimized order orchestration

It's one thing to dream up new **omni-channel supply chain solutions** for retail. At Invent Analytics, we also deliver them.

Our unique approach to supply chain integrating your **network design, planning and fulfillment** helps you to navigate in the new omni-retail era and thrive.

How Omni-AI Works

Omni-Customer

We put your omni-customers at the heart of what we do. What do they want? Where do they want it? And how fast do they want it?

Omni-Forecast

We predict the omni-demand across all channels. By using **probabilistic forecasting** of **sales, ship-to-home** and **BOPIS** transactions we help retailers reduce lost sales, inventory carry costs and customer returns.

Omni-Lost Sales

We characterize the impact of **stockouts** and **slow-delivery as omni-lost sales.** Our system calculates expected lost sales for any decision-making process and minimizes lost sales probability.

Omni-Profit

By connecting the dots in your supply chain, we combine all your KPIs in one metric -that is omni-profit which includes the **true cost of stockouts, inventory carry costs, fulfillment costs and Net Promoter Scores.**

Benefits of Omni-AI

A fast path to A/B-test proven profit maximization

Generate 100's of basis points of higher profitability through more sales, better availability, faster response to customers, lower fulfillment costs, and improved Net Promoter Scores.

Optimized planning and fulfillment for Omni-Retail

Predict and profit-optimize every aspect of customer demand and match it with inventory at the right place or from the right place.

One unified solution suite to manage your supply chain effectively

Create an efficient supply chain network design, profit-optimize inventory management and optimize order orchestration dynamically in real time.

Delight your customers

Move your supply chain management capabilities to the next level and deliver fast, flawless omni-channel customer journeys for your customers.

A/B Test Proven Client Results

2-5% ↑	20-30% ↓	10-30% ↓	15-20% ↓	20-50% ↑
Gross Profit Improvement	**Lost Sales** Reduction	**Inventory** Decrease	**Fulfillment Cost** Reduction	**Higher Forecast** Accuracy

About Invent Analytics

Invent Analytics' Omni-AI **delivers significant financial improvement** by empowering retailers to **profit-optimize** their supply chain. It orchestrates a retailer's entire supply chain **by unifying network planning, inventory and price optimization, and fulfillment in one framework.**

Invent Analytics puts your **omni-customers at the heart of its tailor-fit solutions.** It **proves the financial benefits** with pre-go-live simulations and rigorous **A/B testing.** Invent Analytics' over 30 clients have experienced a **2-6% increase in profitability.**

Invent Analytics' Omni-AI SaaS solutions are:

- Omni-Network Design
- Omni-Plan Suite
  - Omni-Demand Forecasting
  - Omni-Store and DC Replenishment Optimization
  - Omni-Allocation Optimization
  - Omni-Transfer Optimization
  - Markdown Optimization
  - Assortment Optimization
  - Dynamic and Competitive Price Optimization
- Omni-Fulfillment

Invent Analytics has been selected as the **Top Supply Chain Technology Company by Retail Industry Leaders Association (RILA)** and **won the 2020 Innovation Awards for Supply Chain.**

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