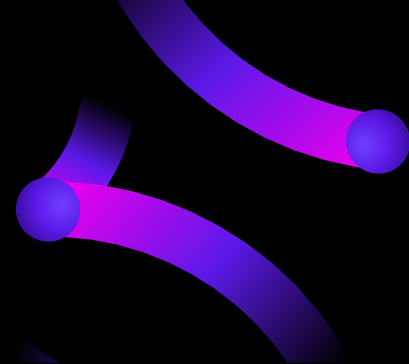


SCENARIO INTELLIGENCE

Navigate Supply Chain Uncertainty with Confidence



Business Challenge

In today's fast-moving, unpredictable marketplace, traditional supply chain strategies just can't keep up. Conventional approaches struggle with:

Disconnected Decision-Making

Teams work in silos, missing the bigger picture

Slow Recovery from Disruptions

Extended downtime when unexpected events occur

Limited Impact Visibility

Decisions are made without fully understanding their consequences

Poor Trade-Off Clarity

Lack of insight into how different compromises will affect the business

Reactive Firefighting

Scrambling to respond when shortages or demand spikes hit

Our Solution

Deda's Scenario Intelligence solution enables decision-makers to analyze and quantify the impact of different supply chain scenarios, ensuring flexibility in responses to market dynamics.

Key Capabilities:

✓ Trade-Off Analysis

- Balance cost, service, and risk with confidence under real-world constraints

✓ What-If Simulations

- Stress-test your strategy before it's real - explore sourcing alternatives, fulfillment tactics, and disruption responses

✓ Continuous Learning

- Our models learn from real-world results, continuously improving accuracy and insight

✓ Risk Assessment

- Protect what matters most by identifying critical customers and products

✓ Strategy Modeling

- Fine-tune inventory and fulfillment plans by forecasting ripple effects of different choices

Our Solution

✓ Maximizes Service Levels

- Improves fill rates by 5-15%, ensuring optimal customer satisfaction despite inventory constraints

✓ Enhances Resilience

- Increases supply chain flexibility, reducing inventory levels by at least 5% while cutting disruption recovery time by 30-50%

✓ Reduces Penalties & Costs

- Lowers financial impact by up to 20%, minimizing stockout-related penalties and service failures

✓ Smarter, Clearer Decisions

- Make the best call - even when the stakes are high and the environment is tough

Success Story: Global Tool Manufacturer

Challenge: A global company, headquartered in the US, a leading developer, manufacturer and marketer of tool and equipment solutions for professional tool users (\$1.25B revenue) manufactures to order, not to stock. They had a high level of back orders due to extended lead times and high inventory of raw materials.

Solution: Using our proprietary Lighthouse engine, we identified that the customer's backorders were primarily driven by volatility in PCB inventory, affecting total revenue by more than \$5 million.

Results:

- 13.6% reduction in backorders within three months
- 19.6% decrease in PCB inventory levels during the same period
- Improved visibility into supply chain risks such as sporadic sales, long supplier lead times, and raw material complexity

Implementation Approach

🔍 DEFINE (3 weeks)

We analyze your supply chain network, constraints, and critical decision points

💡 DESIGN (4-6 weeks)

We build and validate scenario models based on your specific business rules

⚙️ DEPLOY (12-16 weeks)

We deploy the solution and train your team on effective scenario analysis

📄 DELIVER (Ongoing)

We monitor results and continuously improve scenario models

Why DEDA

- ✓ **25+ Years Expertise** in Quantitative Modeling, Applied AI and Operational Research
- ✓ **100+ Domain Experts, Data Scientists, Mathematicians and Data Engineers**
- ✓ **Proven, tested and mature platform** that delivers speed to market
- ✓ **Recently named a major player** in IDC's Worldwide Decision Intelligence Platform 2024 Vendor Assessment

Contact Us

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