

# Integrated Logistics Scenario Simulator

*Innovating Beyond Boundaries for Supply Chain Resilience*



## The Challenge:

### Contested & Fragile Supply Chains

Modern defense capabilities rely on expansive global networks that are increasingly brittle and intentionally targeted.

- **Weaponized Logistics:** Adversaries target global dependencies for strategic advantage.
- **Systemic Fragility:** Transoceanic chokepoints create single points of failure.
- **Cascading Risk:** Localized disruptions trigger failures across multiple programs.

### The Intelligence Gap

Current risk management processes or wargaming activities offer only static “snapshots” of disruptions. Decision makers lack the real-time, high-fidelity data required to pivot based on national security imperatives.

**noblis**<sup>®</sup>

*For the best of reasons*

## The Solution:

### Rapid Simulation & Operational Intelligence

Noblis’ Integrated Logistics Scenario Simulator (ILSS) transforms complex global data into a real-time, natural-language interface for proactive threat mitigation.

- Get **immediate, actionable** answers to complex questions.
- Shift from periodic assessments to 24/7 **operational intelligence**.
- Eliminate siloed technical operators.

### “What If” Planning at Mission Speed

- **Production Flow Dynamics:** Map the pulse of your entire supply network.
- **Instant Scenario Visualizations:** Move from data points to clear, visual impact maps and charts.
- **Dynamic Course of Action Comparison:** Evaluate multiple responses side-by-side.
- **Material Rerouting:** Simulate global diversions to understand defense requirements.

**noblis.org**

## The Impact:

### Strategic Readiness in a Contested World

The Noblis ILSS replaces siloed, manual tabletop exercises with a continuous, intelligence-driven simulation environment.

- **Proactive and Predictive:** Identify vulnerabilities before disruptions occur.
- **Wargaming & Contingency:** Test scenarios for contested logistics.
- **Accelerated Buy-In:** Move from abstract geopolitical risk to concrete operational insights.
- **Optimized Scenarios:** Conduct side-by-side comparisons to select the most resilient path forward.

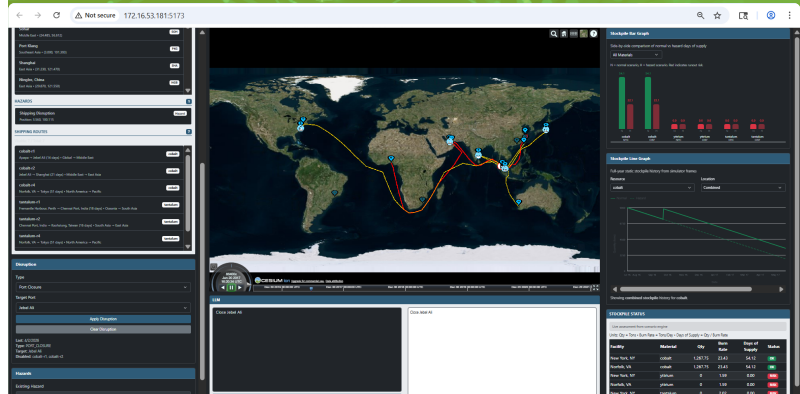


### Beyond Logistics and Supply Chain: A Multi-Domain Engine

While optimized for global logistics, the underlying engine powers any challenge involving positioning, timing, and interaction.

- **Operational Planning:** Synchronize complex asset movements.
- **Crisis Management:** Model real-time responses to evolving threats.
- **Emerging Tech:** Stress-test the viability of new systems in volatile environments.

### Application View



### About Noblis

For more than three decades, Noblis has been an innovator within the federal government, committed to enriching lives and making our nation safer while investing in the missions of tomorrow. As a nonprofit, Noblis works for the public interest, providing independent and objective science, technology, and engineering solutions for a wide range of government customers in the defense, homeland security, intelligence, law enforcement, and federal civil sectors.



[noblis.org](https://noblis.org)

### Contact Us

[answers@noblis.org](mailto:answers@noblis.org)

