PREDICT POTENTIAL SUPPLY CHAIN DISRUPTIONS MONTHS BEFORE THEY HAPPEN

Potential for Supply Chain Disruptions are Everywhere

To ensure supply chain resiliency, companies must reevaluate their disruption-mitigation strategies and consider investing in AI-enabled technologies.

Every business should foresee a scenario where they can detect disruptions promptly, understand the impact and react quickly.

The origin of supply disruption may come from internal company matters or external factors. Among the most common supply disruption risk categories:

- Economic factors
- Financial and company viability
- Transportation or logistics
- Raw materials disruptions
- Geopolitical instability
- Natural disasters

How well are you prepared to cope with a supply chain crisis?

A solution to disruption comes from knowledge
AI-based technology can detect possible risks in supply chain networks, often before they hit your enterprise. With such a mechanism, companies will be positioned to achieve increased upstream visibility and better decision-making, ultimately culminating in valuable decisions.
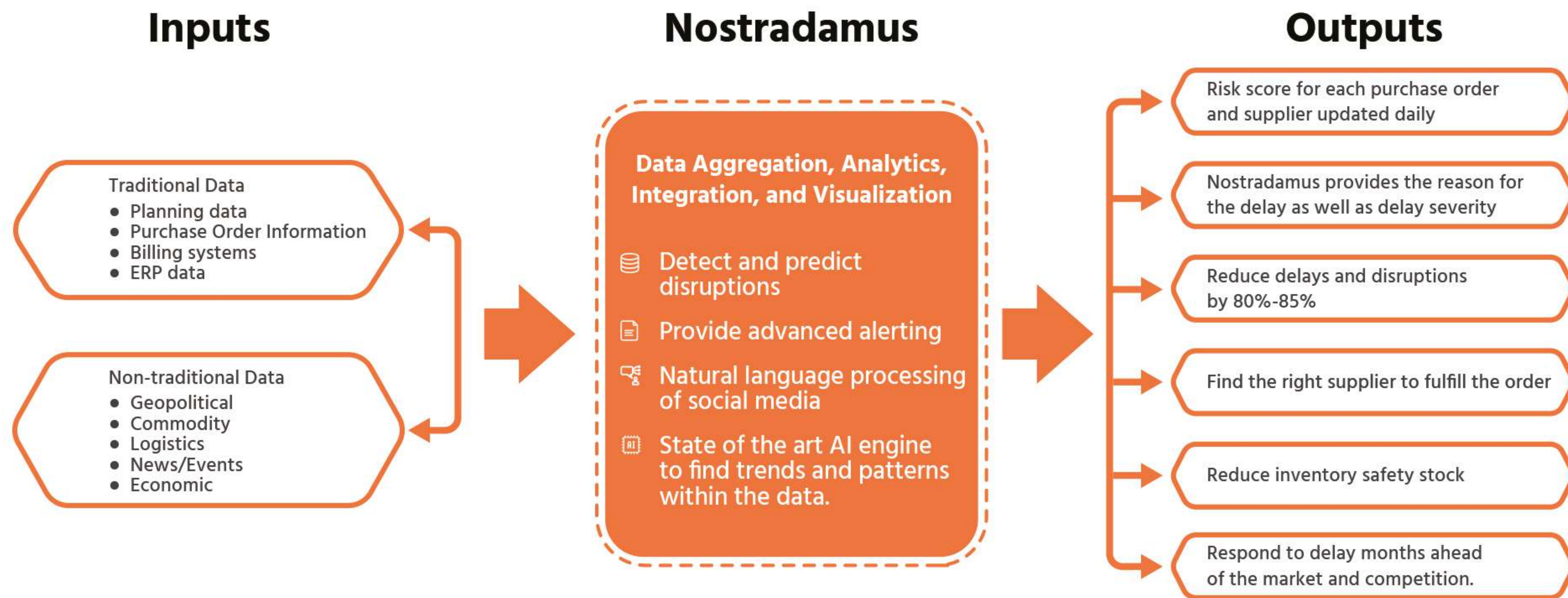
Understand which purchase orders and upstream suppliers are at most risk for a delay or disruption based on purchase order information and external factors (geopolitical risk, economic factors, commodity prices, logistics, news, and events).
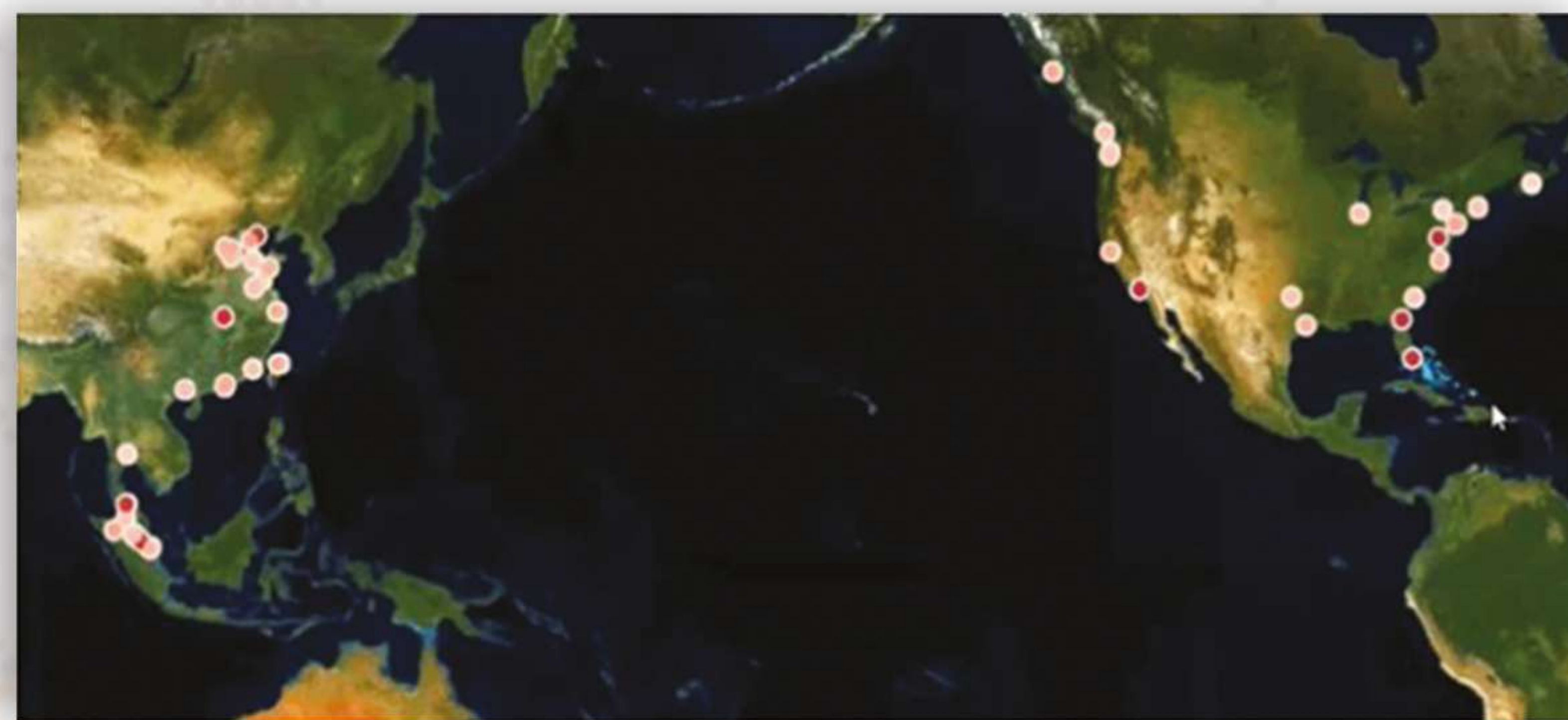
Analyze any data, external or internal. Get to know Nostradamus

Nostradamus AI provides a real-time risk score for each purchase order and supplier to quickly identify at-risk shipments and supplier months in advance prior to a disruption or delay with 80%-85% accuracy. Not only does Nostradamus provide a probability score of a delay, it provides the reasons behind the delay as well as the delay severity.
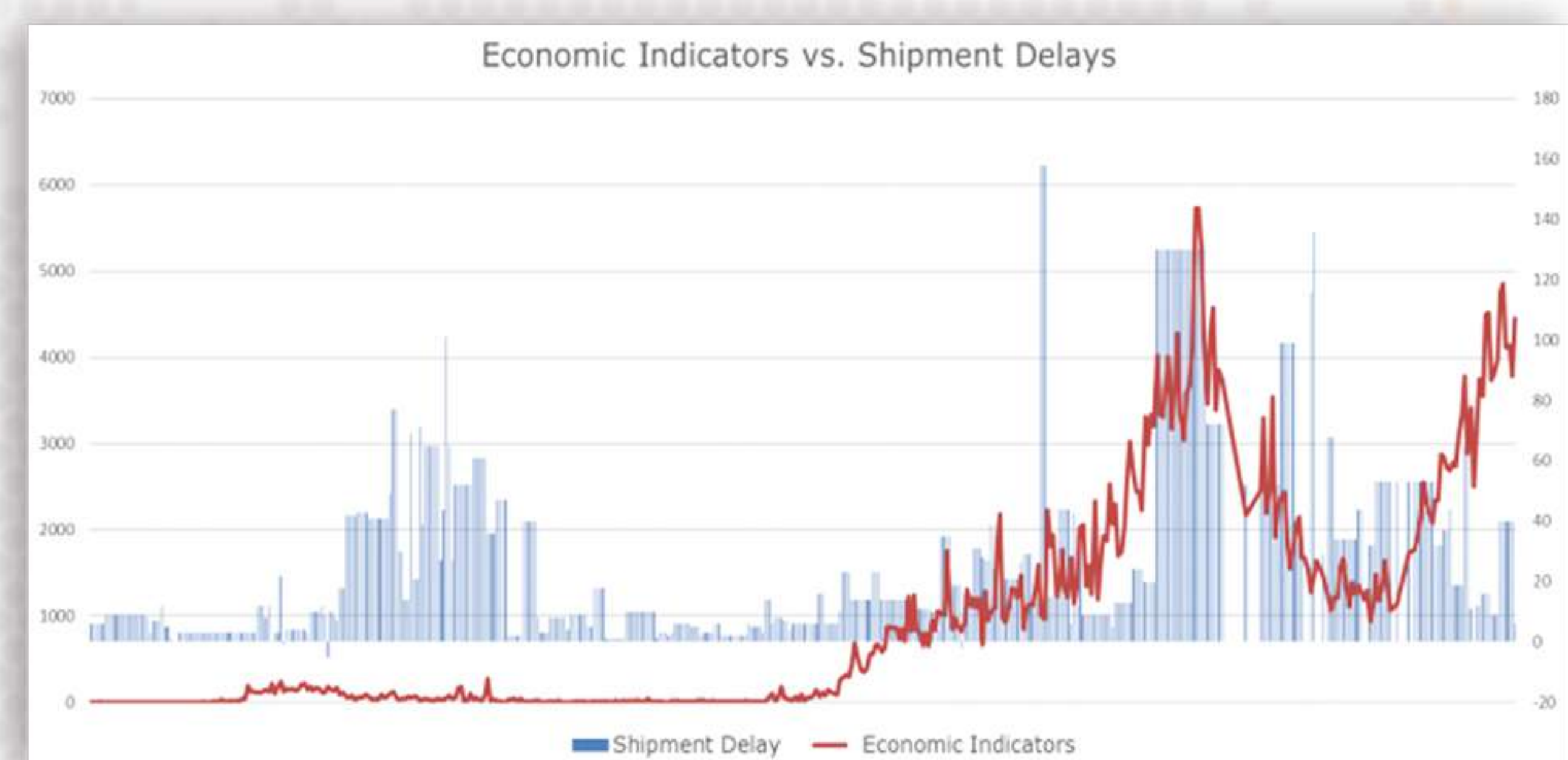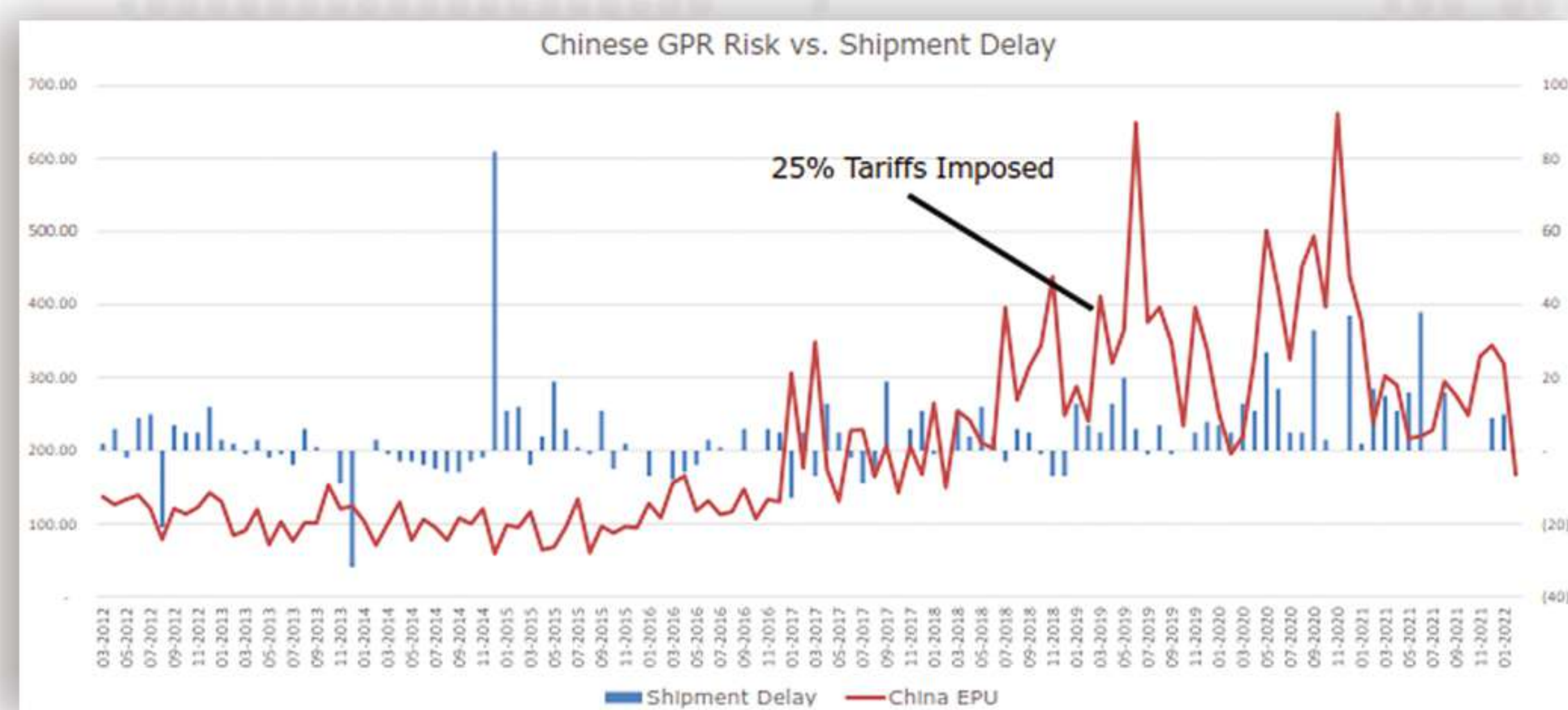
A cloud-based technology, Nostradamus unlocks improvements across your business in multiple ways.

Inputs

Traditional Data
- Planning data
- Purchase Order Information
- Billing systems
- ERP data

Non-traditional Data
- Geopolitical
- Commodity
- Logistics
- News/Events
- Economic

Nostradamus

Data Aggregation, Analytics, Integration, and Visualization

- Detect and predict disruptions
- Provide advanced alerting
- Natural language processing of social media
- State of the art AI engine to find trends and patterns within the data.

Outputs

- Risk score for each purchase order and supplier updated daily
- Nostradamus provides the reason for the delay as well as delay severity
- Reduce delays and disruptions by 80%-85%
- Find the right supplier to fulfill the order
- Reduce inventory safety stock
- Respond to delay months ahead of the market and competition.

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01 Have predictions given to you through a dashboard or an API integration into your already existing systems.

02 Develop and implement statistical and AI models to obtain deep insights from predictive and prescriptive analysis.

03 Set your rules and metrics, review customized reports, and see potential issues with preventive setups.

04 Create what-if scenarios to help you better plan your shipments and identify supply chain network weak points.

Examples: Geopolitical risk, labor disputes, factory shutdowns

Chinese GPR Risk vs. Shipment Delay

25% Tariffs Imposed

Shipment Delay — China EPU

Economic Indicators vs. Shipment Delays

Shipment Delay — Economic Indicators

Get to know Nostradamus

Gain actionable insights vital in driving timely decisions to ensure enhanced overall supply chain performance. Nostradamus AI intakes historical Purchase Order information and combines that with thousands of external data sets Ceres has in its database to find trends and patterns to predict delays and disruptions months in advance. That means before you place your purchase order, you'll know if your purchase order is at risk of a delay and which suppliers are best suited to fulfill your order.

Schedule a Demo Today and See What Nostradamus AI can do for you.