

Trackingeyes Introduces AI-Powered Predictive Analytics to Optimize Container Shipping Schedules



Xiamen, Fujian Apr 22, 2026 ([IssueWire.com](https://www.issuewire.com)) - Schedule delays are among the most common sources of uncertainty in maritime shipping. In recent years, complex and volatile situations in international waters have further amplified this uncertainty. For example, due to heightened security risks in the Red Sea, a large number of vessels have been rerouted via the Cape of Good Hope, extending the overall voyage time on Asia-Europe routes by approximately 10–15 days. Meanwhile, the Panama Canal has imposed transit restrictions due to drought conditions, continuously impacting global shipping networks.

These sudden and structural factors have made traditional logistics management models, which rely on static sailing schedules, inadequate for addressing real-world challenges. Against this backdrop, Xiamen Yundang Network Technology Co., Ltd. (Trackingeyes) integrates two major data interfaces—the Sailing Schedule API and AI Ship Prediction—along with Ship AIS technology, to help customers build a three-tier assurance system combining planned, real-time, and predictive capabilities, thereby effectively enhancing supply chain resilience and transparency.

The Foundation of Modern Logistics: Multi-Dimensional Data Integration

The maritime industry currently faces a "new normal" of volatility. Traditional methods of tracking, which often relied on manual updates or singular data streams, frequently fail when vessels are forced to deviate from their original paths. Xiamen Yundang Network Technology Co., Ltd. addresses this by synthesizing vast amounts of data into actionable intelligence. By utilizing Automatic Identification System (AIS) data, the company provides a digital fingerprint of global vessel movements, allowing for

the transition from reactive to proactive logistics management.

The core advantages of these data interfaces are as follows:

- **Sailing schedule data covering over 50 major carriers.** The platform provides access to schedules from more than 50 carriers, covering over 50 origin ports in China and Southeast Asia. Users can retrieve key milestones for bookable sailings, including Estimated Time of Departure (ETD), Estimated Time of Arrival (ETA), voyage duration, Container Yard (CY) closing, and Bill of Lading (B/L) cut-off. In the current environment of frequent route adjustments and increased temporary port calls, comprehensive and up-to-date schedule data has become a critical foundation for corporate decision-making.
- **Full visibility of vessel movements in real time.** Leveraging real-time positions and historical trajectories from AIS, combined with geofencing technology, Trackingeyes continuously updates actual arrival and departure times. Especially in recent periods when navigational risks have risen in key international waterways (such as parts of the Red Sea, the Mediterranean, and the South China Sea), companies can use real-time vessel dynamics to monitor detours, speed reductions, or even temporary stoppages, avoiding operational risks caused by information lags.
- **AI Ship Prediction – clear visibility of future port calls** Through AI big-data algorithms, the system dynamically predicts a vessel's full future port-call sequence, including estimated ports of call with their ETD and ETA. By analyzing historical vessel trajectories and route adjustment trends, the system can identify potential delays, skip ports, and high-risk areas in advance. This is especially critical given the current geopolitical instability and frequent port congestion, such as extended waiting times at some European ports due to strikes or congestion.

Expanding the Utility of Predictive Logistics

The basic application scenarios of Trackingeyes data interfaces can be further expanded as follows:

Logistics Operators: These organizations can optimize booking and container loading plans based on predicted ETA. Under unstable route conditions, predictive data enables early adjustments to booking strategies—for instance, selecting more stable transshipment ports or avoiding high-risk routes—thereby reducing the probability of delays and associated costs.

Port and Terminal Operators: Facing concentrated vessel arrivals or "wave-peak" arrival patterns caused by detours, terminals can use predictive data to rationally arrange berths, handling equipment, and labor. This advanced planning helps in alleviating congestion pressure and improving the throughput of the facility.

Cargo Owners: Against the backdrop of persistently rising global supply chain uncertainty, cargo owners can identify potential delays early through the system and communicate with downstream customers to adjust delivery schedules. This transparency reduces the risk of contract defaults and inventory imbalances.

Enterprises and Compliance Managers: Companies can conduct risk-route pre-assessment and compliance management. By combining AI prediction data with dynamic information on international waters, companies can identify routes that may involve sanctions, conflicts, or high-risk zones, and develop alternative transport plans in advance to ensure compliant operations.

Strategic Importance of Supply Chain Visualization

In the context of modern global trade, "visibility" is no longer a luxury but a fundamental requirement for survival. Xiamen Yundang Network Technology Co., Ltd. recognizes that the complexity of modern supply chains requires a move away from siloed information. The integration of "planned + real-time + predictive" data ensures that every stakeholder—from the manufacturer to the final distributor—has a synchronized view of the cargo's journey.

The expertise provided by the founding team at Trackingeyes, which includes over a decade of deep-rooted logistics experience, ensures that the solutions offered are not merely technical but are tailored to solve the actual pain points of the industry. This includes the mitigation of "blind spots" during transshipment and the reduction of demurrage and detention charges through better timing and prediction.

Addressing the Shift to High Uncertainty

As the international shipping environment shifts from "predictable" to "highly uncertain," a single data source is no longer sufficient to support modern supply chain management. The reliance on manual checks or phone calls to verify container status is being replaced by automated, API-driven solutions that feed directly into an enterprise's Resource Planning (ERP) or Transportation Management System (TMS).

By integrating multi-dimensional data and intelligent predictive capabilities, Trackingeyes not only raises the level of vessel visibility but also helps enterprises achieve proactive decision-making and risk pre-management in complex and volatile international waters. This enables a fundamental shift from passive response to active control over global logistics operations.

About Xiamen Yundang Network Technology Co., Ltd.

Founded in 2015, Xiamen Yundang Network Technology Co., Ltd. (Trackingeyes) is a provider of global end-to-end logistics tracking and supply chain visualization solutions. With a founding team boasting over ten years of logistics expertise, the company maintains a deep understanding of industry pain points.

Xiamen Yundang Network Technology Co., Ltd. specializes in global end-to-end cargo tracking by sea, air, and rail, serving thousands of import and export enterprises worldwide. The company's services include customizable tracking solutions and open API data interfaces, which are specifically engineered to enhance supply chain visibility and operational efficiency for a global clientele.

For further information regarding these logistics solutions and API integrations, please visit the official website: <https://www.trackingeyes.com/>

Media Contact

Xiamen Yundang Network Technology Co., Ltd.

*****@yundangnet.com

<https://www.trackingeyes.com/>

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