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2023 Smart Ports Conference Boston

Drive Toward Digitization: The Port's Role

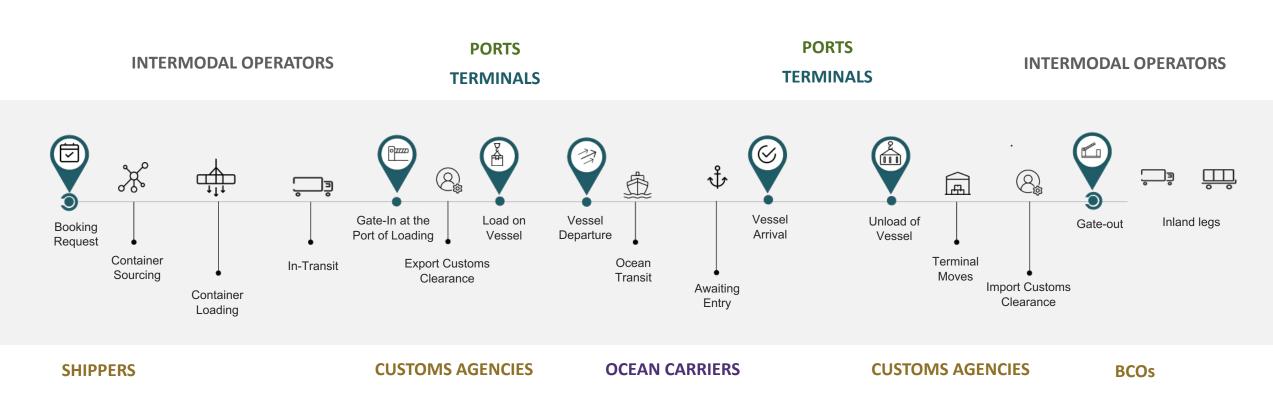
Pawan Joshi, PhD EVP Products & Strategy at e2open





Ocean Shipping Ecosystem

Complex processes with handoffs across multiple stakeholders with different levels of technical maturity



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Ports Challenges









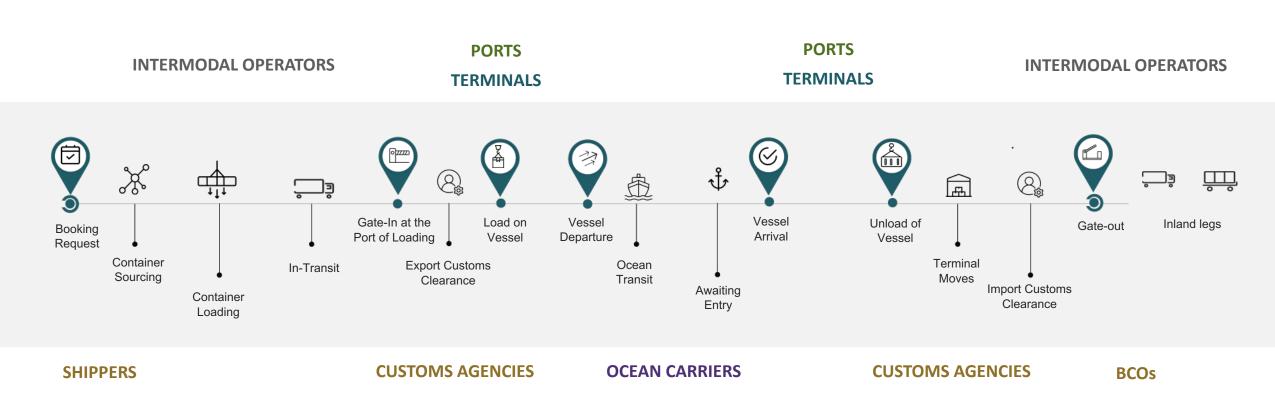




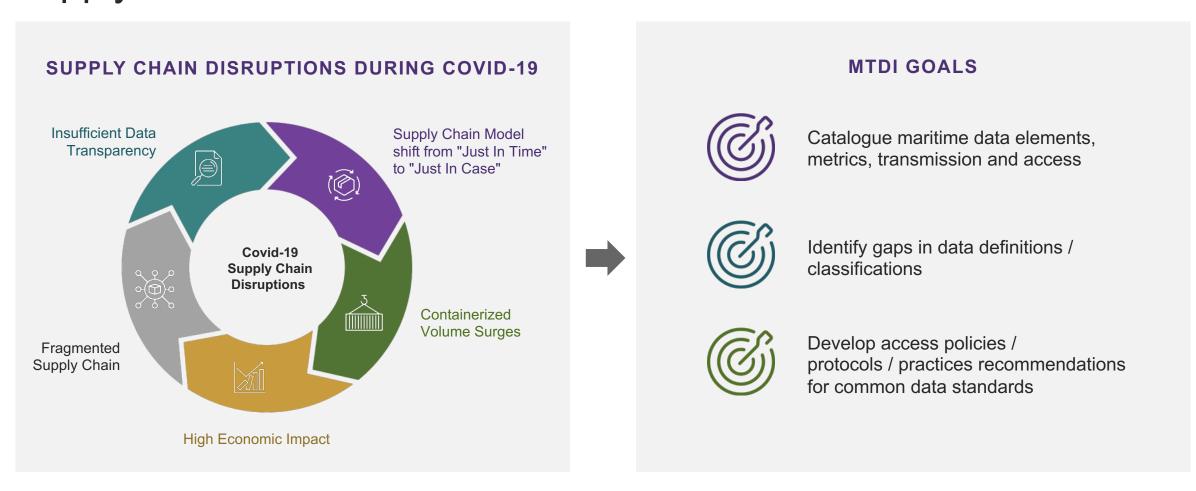


Ocean Shipping Ecosystem

Complex processes with handoffs across multiple stakeholders with different levels of technical maturity



FMC led discovery to identify issues with the US Maritime Supply Chain



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MTDS – Recommendations for Efficient US Maritime Transportation

Intermodal Rail Visibility

Extend in-transit visibility and terminal status information requirement to intermodal rail carriers servicing ocean carrier shipments

Real-Time Vessel Position with ETAs

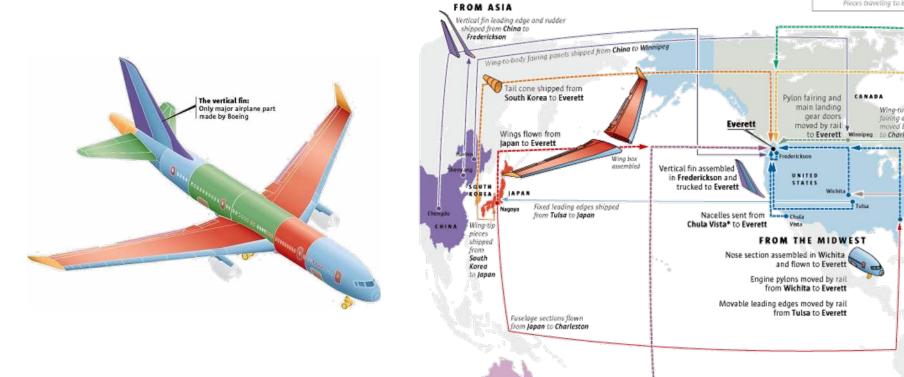
Establish a system of information on planned ocean carrier voyages, with real-time vessel position and estimates of arrival

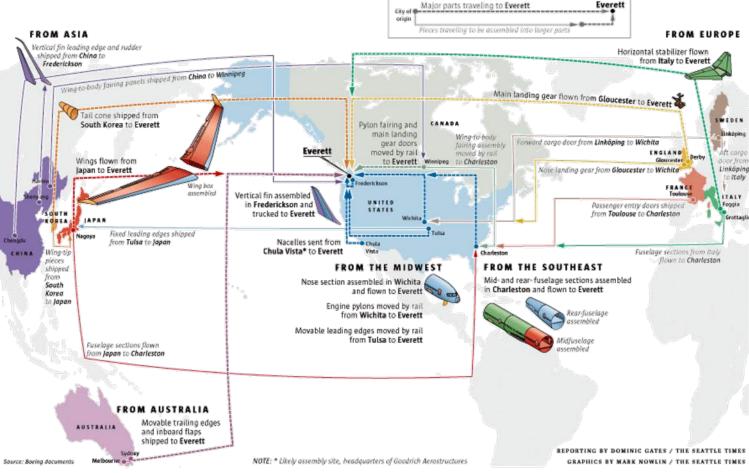


Harmonization of Standards

For public information related to terminal access for cargo retrieval and standardize the method of charactering cargo status for cargo retrieval from Marine Terminal Operators

Inspiration from other industries.....

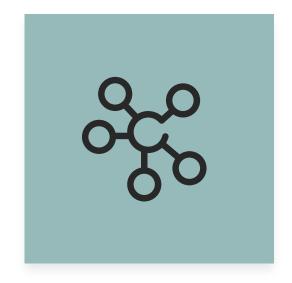






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Core principles evolved over two decades of operating the largest end-to-end supply chain networked platform



Network

All technical maturity

Always Connected and Bi
Directional



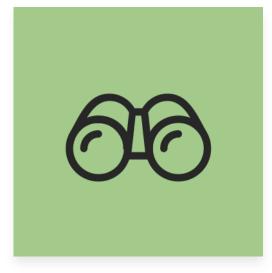
Data
Uniform Decision Grade
Harmonized, Timely, and Complete



Permissions

Data Governance

Owner Controlled Information Share



Shared Visibility
Smart Decisions
End-to-End Multi-Modal Visibility

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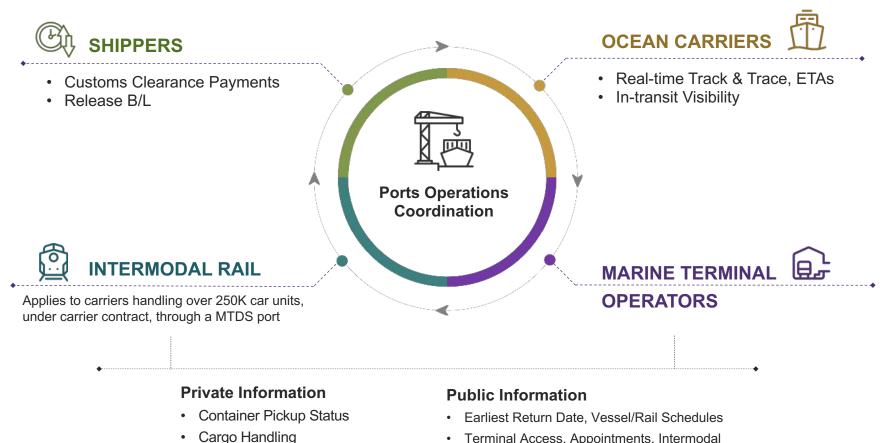


Ports Operation Coordination (POC) Recommendation

Applies to ports handling over 250K TEUs of import, export, or empty containers

• Free-time, Demurrage

GOAL: Provide Complete Visibility into the pickup status of the container (whether available or unavailable) to cargo owners and drayage providers



- Terminal Access, Appointments, Intermodal
- Storage, Special Operating Conditions

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