

Transforming the Caterpillar Global Supply Chain

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Transportation Complexity



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Two fully-loaded and fueled Boeing 747's
1.3 million pounds

- Sourced from 2 US facilities and 1 in Mexico
- 2 railcars, 4 trucks, 2 containers to move to port
- Must ship together (on vessel) for duty reduction on entry to foreign port

OUR CHALLENGE:
REDUCE
SUPPLY CHAIN
VARIABILITY



Many Handoffs in the International Transportation Process

Chicago



Seller

Domestic



Domestic Carrier

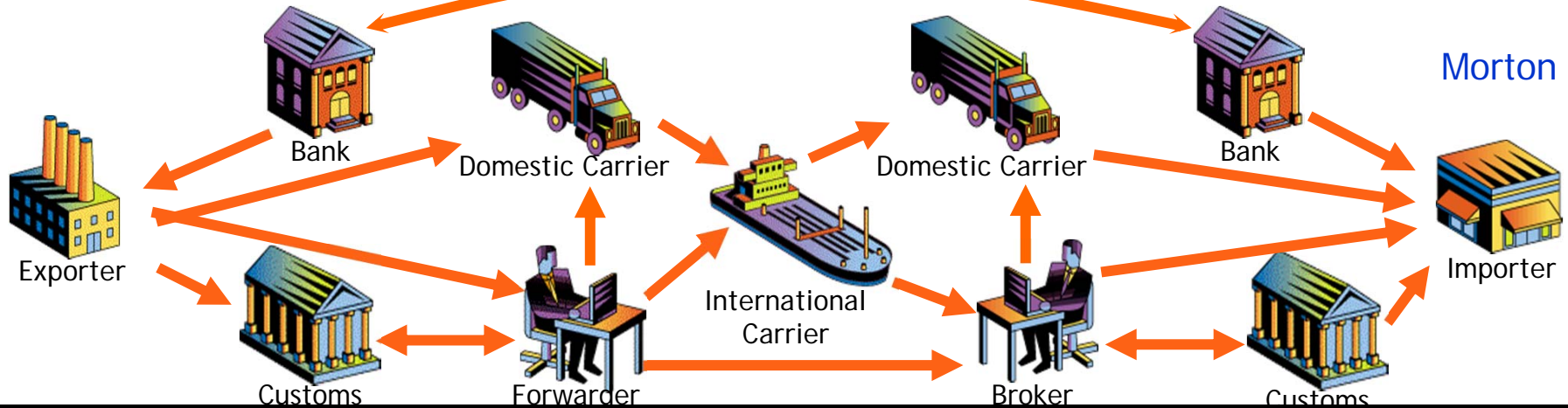
Morton



Buyer

Global

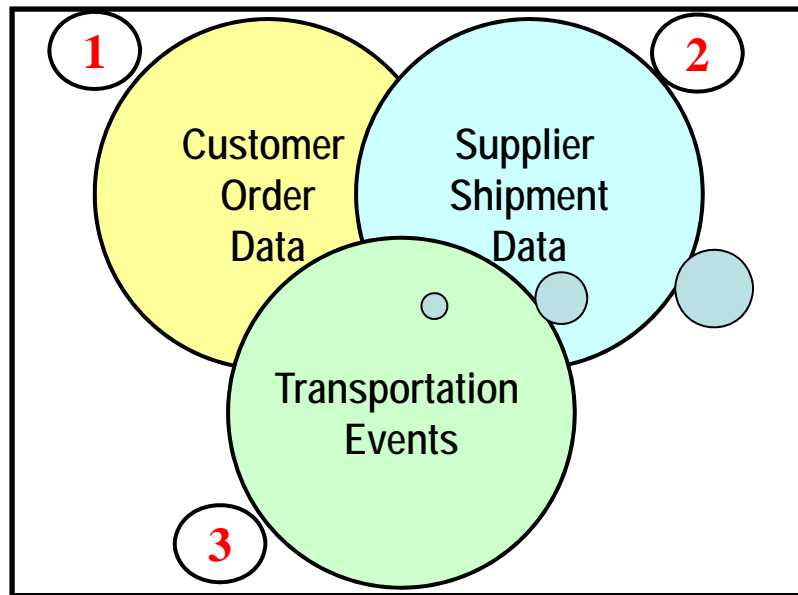
Sao Paulo – Brazil



Generally 3 Parties Involved in Domestic Shipments, but As Many as 17 Parties (hand-off)

for International Shipments

Merging 3 Distinct datasets to enable effective visibility and management



Order, shipment, and transportation event data merged onto a single platform is a powerful enabler for international supply chain operations.

Consider this . . .

1. Intercontinental Parts Are In-Transit for 4-6 Weeks Over as Much as 8,000 Miles
2. As Many as 1,500 Containers In-Transit to Cat U.S. Plants at Any One Given Time
3. As Many as 22,000 Parts Numbers Are In- Transit to the U.S. at Any One Give Time

Knowing where parts are while in-transit is paramount and enables the following:

- "Self-Service" Location Status of In-Transit Parts
- Disruption Management – Mode Shift
- Delay Impact
- Transportation Resiliency for Environmental Issues