Beyond real-time shipment visibility

Improving resiliency with supply chain insights

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Thank You

State of the Supply Chain

Broken

“

Some examples of subpar rail service: Excessive dwell times at the origin, resulting in the doubling of transit times between the Midwest and West Coast for grain shippers and tardy arrivals that pressure flour and feed mills and ethanol plants to temporarily cease operations or curtail production.

Meanwhile, the National Grain and Feed Association estimates that the combined **cost to the grain industry** of revenue losses and additional freight expenses was **over $100 million** in the first quarter of 2022.

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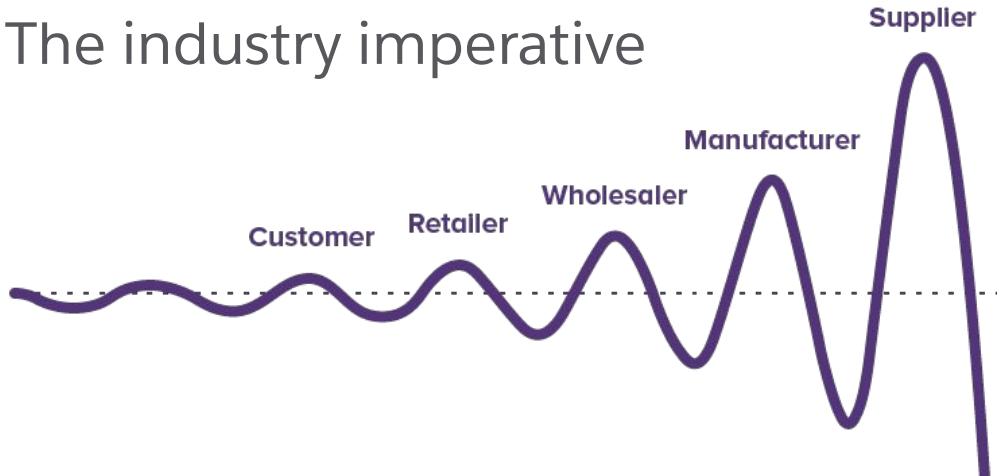
Freightwaves: Commodity giants and unions are slamming railroads as performance tanks

What's behind the Toilet Paper Shortage?

It isn't really about hoarding, it is about the ripple effect

- Fluke of Consumer Irrationality
- Toilet paper manufacturers are cranking out the same supply as always
- **Shifting** retail channels **not easy**
- The industry imperative

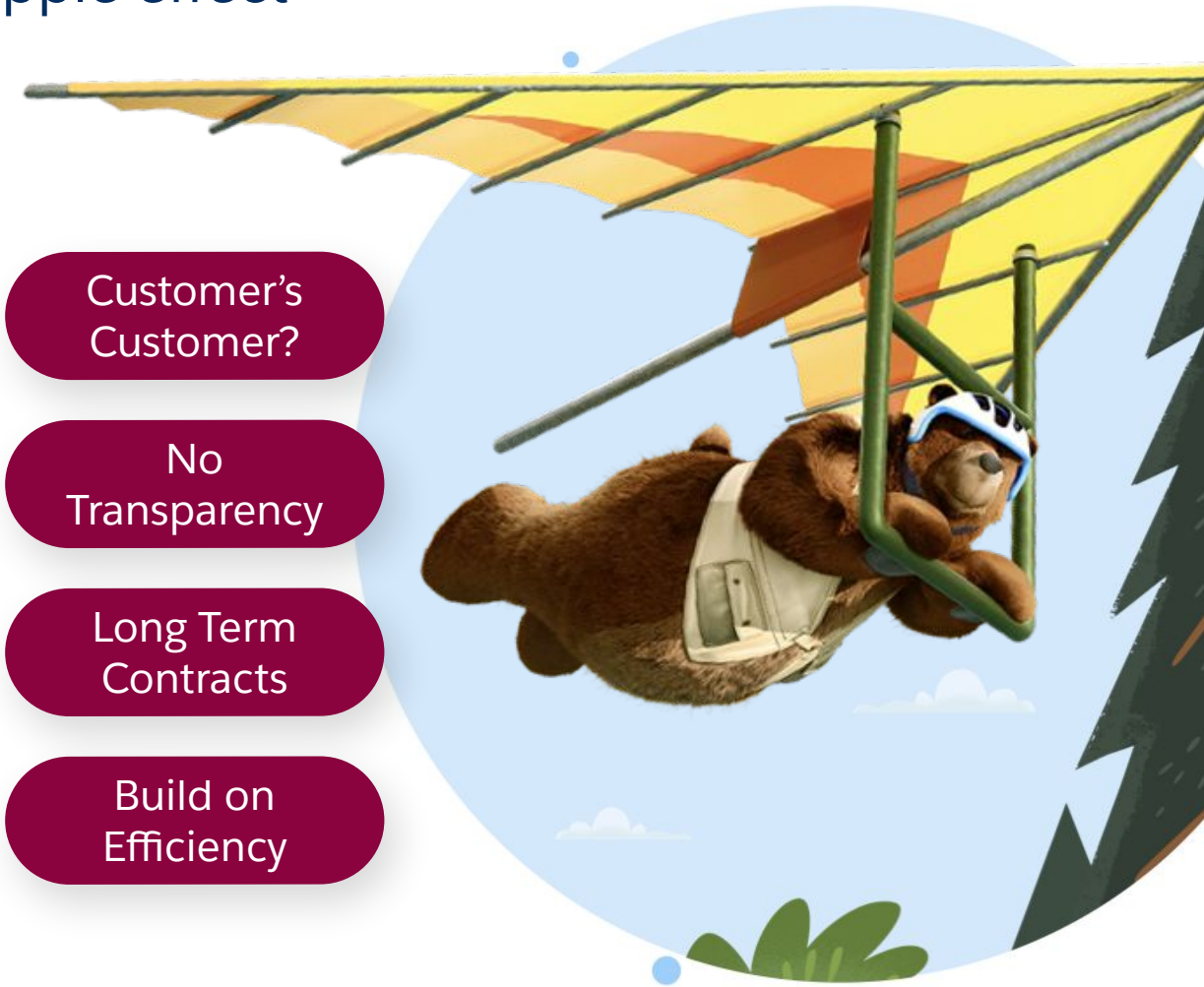


Customer's Customer?

No Transparency

Long Term Contracts

Build on Efficiency



Transportation & Logistics as a Service

Utility Like Service

Stable Prices

Consistent Transit Times

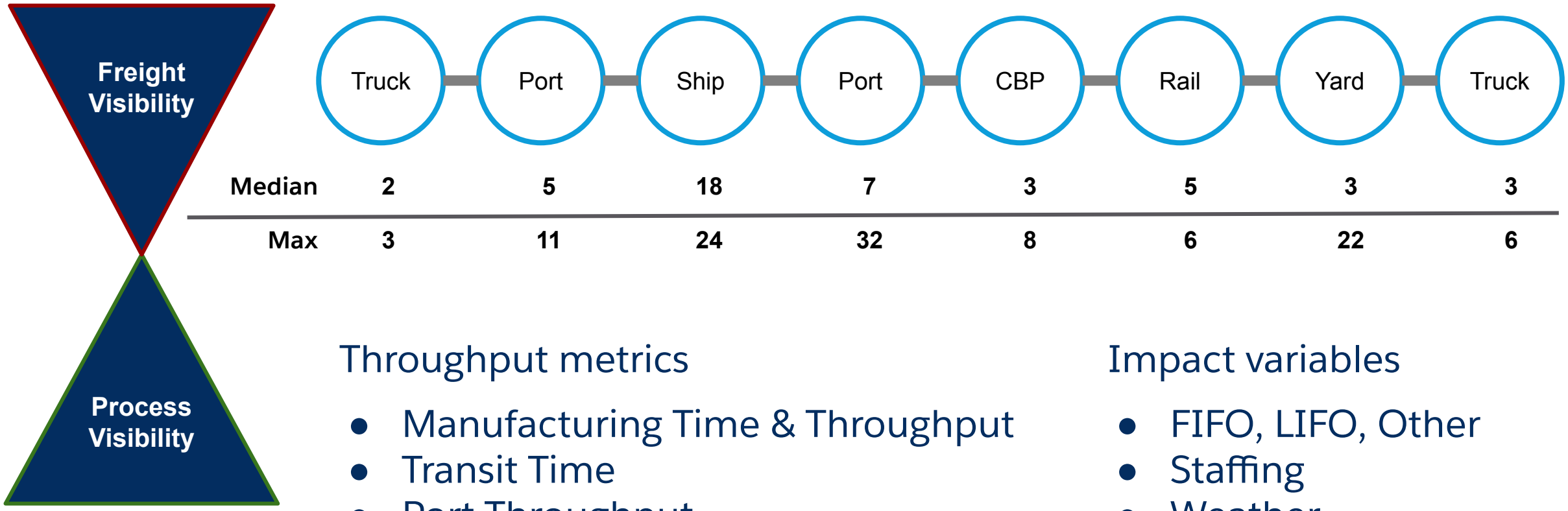
Available Capacity

Consistent Port, Yard and Customs Handling Times

Visibility Provided Enough Information to Accurately Predict Delivery

Transportation & Logistics as a Process

Shifting to Process Visibility



Throughput metrics

- Manufacturing Time & Throughput
- Transit Time
- Port Throughput
- Rail Throughput
- Customs Throughput
- Warehouse Pick to Ship Time

Impact variables

- FIFO, LIFO, Other
- Staffing
- Weather
- Local COVID Cases
- Seasonality or Timing

Building Resilience with ketteQ

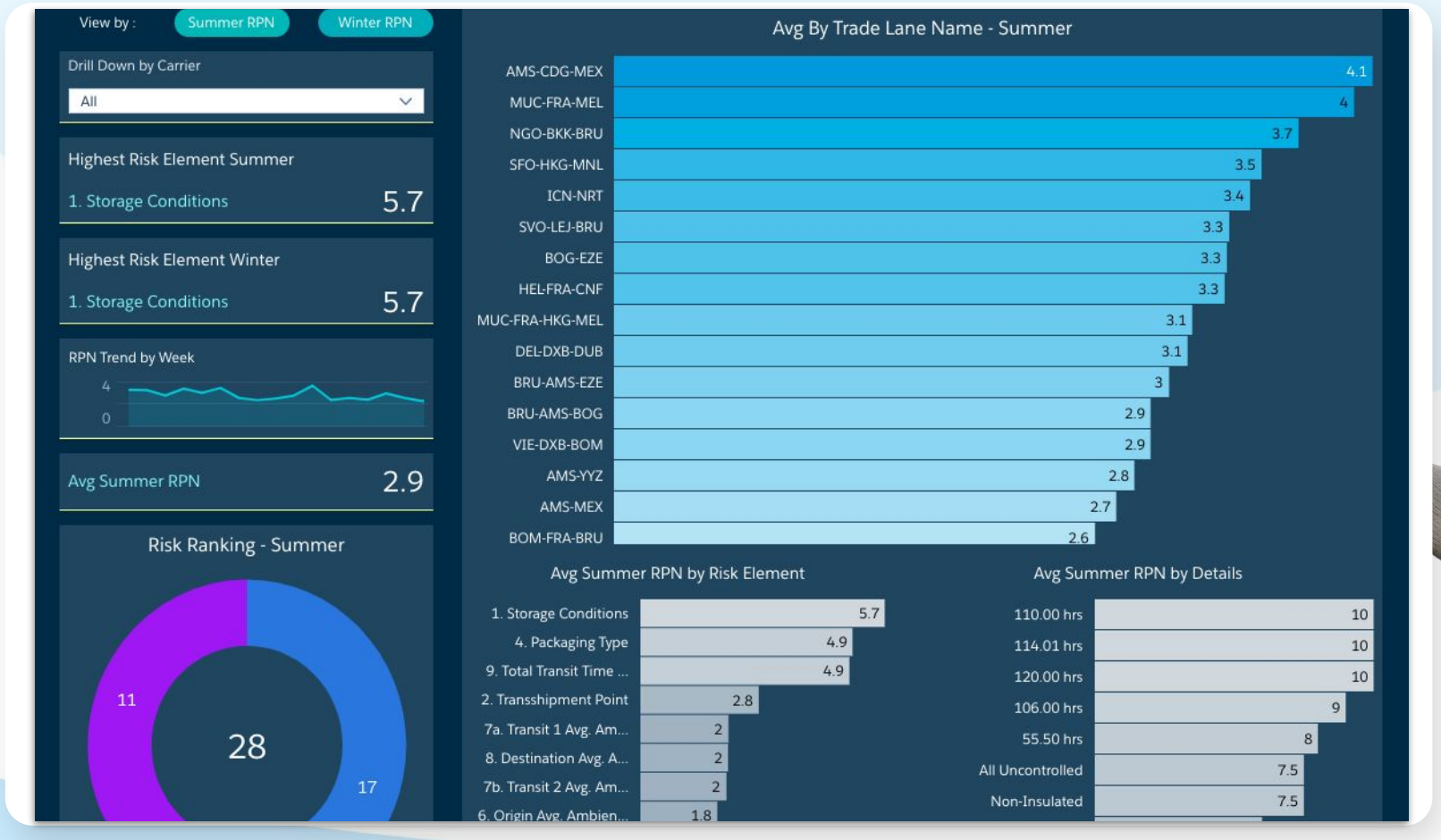
Data Driven Supply Chain

- Identify Vulnerabilities
- Design Solution

ketteQ Screen Shot

Likelihood of Risk per Trade Lane

Data-driven, pro-active, customer-centric, resilient, sustainable



Managing Ports & Railyards with Evenflow

- Reduce Dwell Time
- Optimize Chassis Visibility
- Stabilize Throughput
- Adapt with Market Trends

Evenflow Screen Shot

Thank You