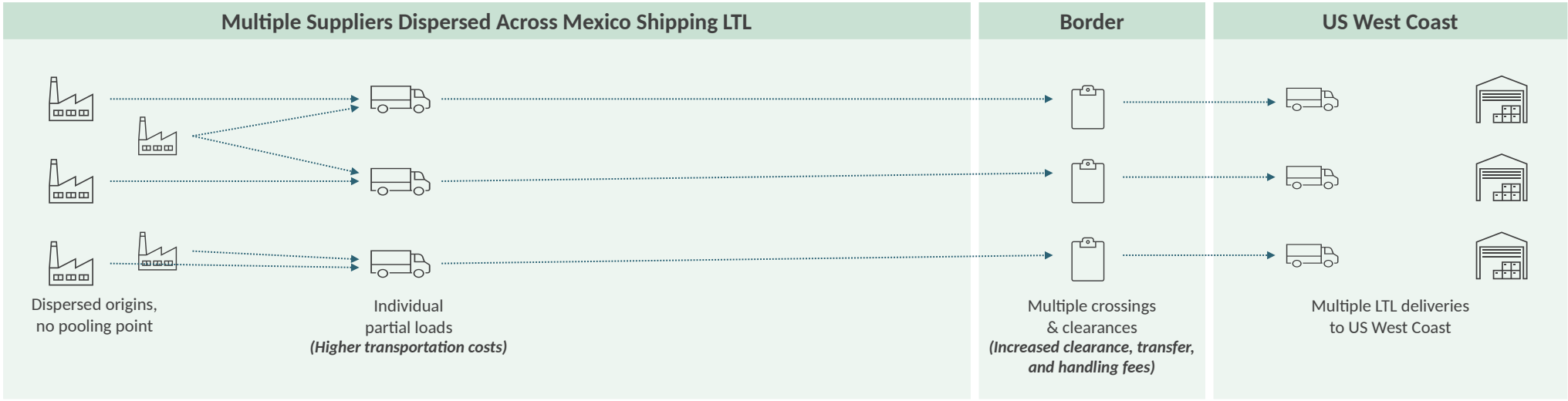
# Semiconductor Industry Case Study

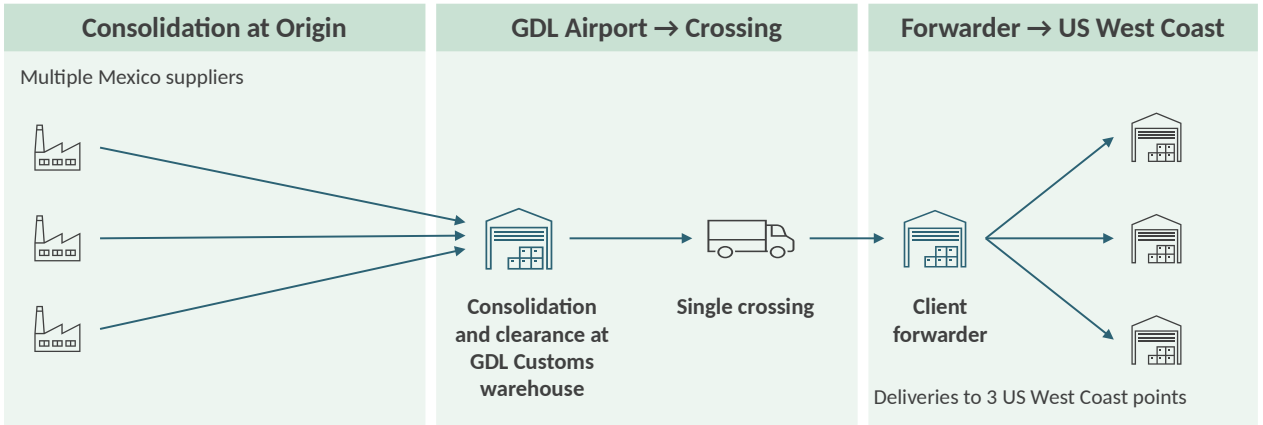
## Optimizing Cross-Border Transportation | **Cost and Lead Time Reductions**

### PREVIOUS PROCESS | FRAGMENTED CROSS-BORDER FLOW




***Objective: reduce cost and improve delivery performance across fragmented supplier moves***

### CONSOLIDATED PROCESS | SINGLE CROSS-BORDER MOVE




## Approach

**Supplier Freight Consolidation**
Shipments from multiple Mexico suppliers were combined at a consolidation hub to maximize equipment utilization before crossing.

**Adaptive Network Design**
Routing and load plans were continuously optimized to balance changing shipment volumes across the network.

## Business Impact

- Lowered transportation costs by 25%
- Faster transit times by 50%
- Improved shipment consolidation
- Scalable model that maintained efficiency even during changing market conditions