

Tariff Turbulence? We've Got You Covered

Tariffs Are Reshaping Global Supply Chains



Global supply chains = vulnerable

One tariff shift can ripple through hundreds of suppliers overnight.



BOMs are complex. Tariff rates change fast

Every product is a web of hidden dependencies you can't untangle manually.



Manual analysis? Slow, risky, outdated

By the time you spot the impact, it's already too late to react.

Manual Methods Are A Margin Killer



BOM breakdowns take weeks

Speed is survival — and spreadsheets don't move fast enough.



Supplier mapping misses hidden risks

Unknown sources mean unseen costs lurking in your supply chain.



New tariffs = scramble to catch up

You can't win tomorrow's battles with yesterday's tools.

We Help You Turn Tariff Chaos Into Supply Chain Clarity

We use a trace, simulate, and strategize solution powered by AI to help manufacturers react proactively to tariff changes



Trace

Map each product's Bill of Materials to tariff classification codes (HTS codes), linked to country specific tariff rates, to calculate accurate cost impacts at the raw material level.

- Which materials are impacted by tariffs?
- How does supplier country of origin affect tariff rates?
- What is the impact on product cost structures and margins?



Simulate

Build a flexible simulation engine that allows users to input potential tariff changes and immediately see forecasted cost impacts, margin shifts, and financial risk zones.

- Input future tariff scenarios by product type or region to understand results in material cost and profit margins, plus impact on SKUs, categories, and overall P&L.



Strategize

Use Agentic AI and optimization models to analyze supplier networks tariff data, and cost-to-serve. Deliver recommended sourcing alternatives that minimize tariff exposure and align with business priorities.

- What regions offer lower or no tariff exposure?
- Which suppliers meet cost, quality, and delivery needs?
- What are the trade-offs between switching costs and savings?

Sample Use Case

Product: Imported Drum Motor

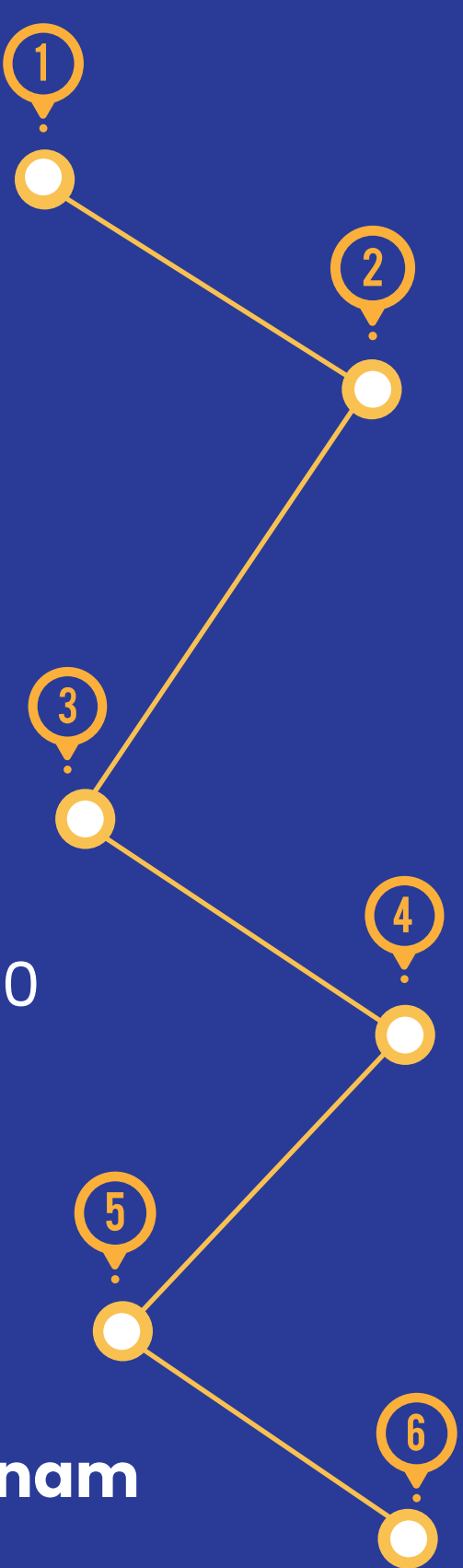
- Current Source: **China**
- HTS Code: **8501.31.4000**
- Tariff Applied: **25%**

Trace

- BOM mapped to HTS 8501.31.4000
- Identified China as the country of origin

Strategize

- Alternate Source Identified: **Vietnam**
- Tariff Rate: **Only 5%**
- Lead Time: **8 weeks**
- Suggestion: **Move sourcing to Vietnam**



Problem Identified

Wavicle's AI mapping flags high tariff exposure:

- The 25% tariff significantly increased landed cost.
- Resulted in squeezed margins across several models

Simulate

- Compared cost with tariff vs. without
- Projected margin drop per unit and cumulative annual impact

Net Result

- 12% reduction in landed cost
- Significant margin recovery
- Minimal operational disruption

Talk To Our Experts



Faster sourcing and pricing decisions.



Margin protection and smarter promotions.



Strategic procurement and supplier switching real-time visibility into landed cost and risk.

Ready to Outpace Tariff Uncertainty?

Partner with Wavicle — and build a future-proof supply chain.

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