Procurement Volatility Intelligence System (PVIS)

Executive Report

Business Problem:

Volatile FX rates, supplier risk, and working capital drag are eroding procurement margins and creating unpredictable cash cyc

PVIS Mandate:

Provide real-time visibility into FX exposure, supplier risk, and cash conversion performance with scenario-ready analytics.

Strategic Recommendations:

1) Rebalance sourcing toward low-volatility currencies and hedge top exposures by tier.

2) Renegotiate top-risk supplier contracts using lead-time and quality volatility triggers.

3) Compress cash conversion by optimizing DPO/DIO and eliminating leakage in high-variance categories.

Executive Dashboard Blueprint

**POWER BI EXECUTIVE DASHBOARD BLUEPRINT**
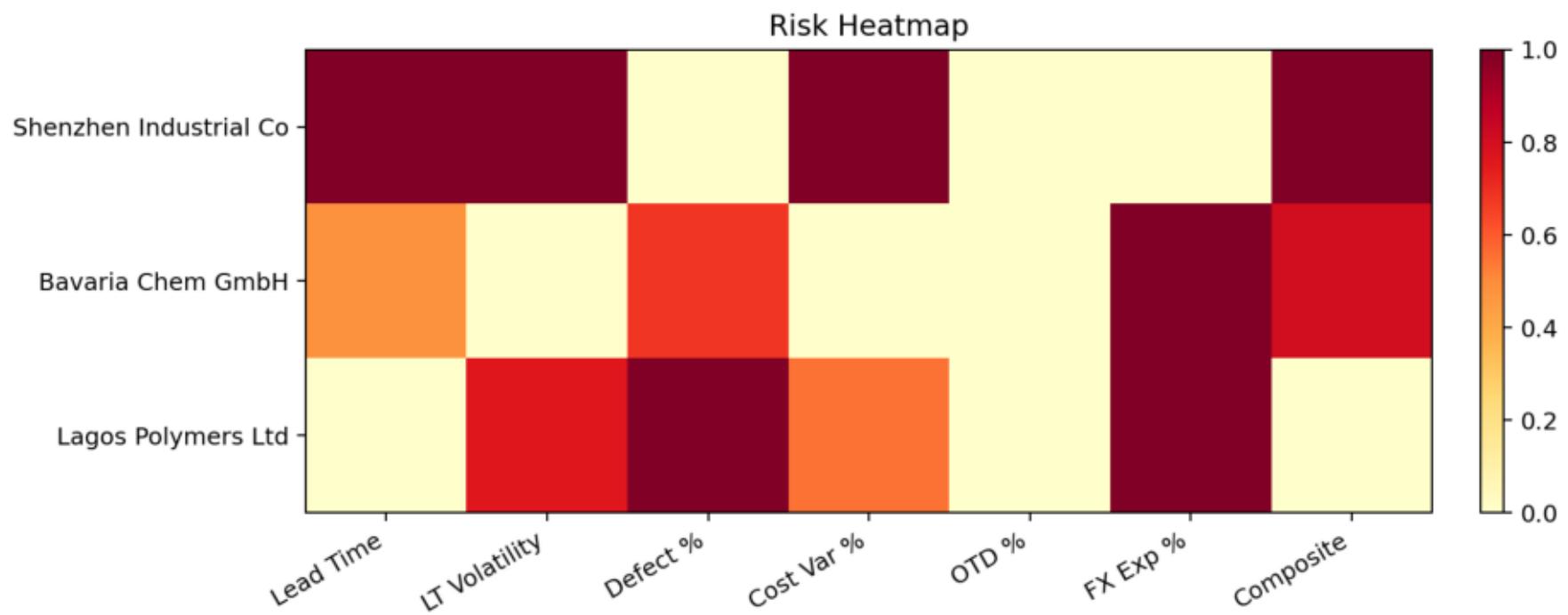
Executive KPIs: Spend USD | FX Exposure % | Composite Risk | CCC | 90-Day FX Band

Supplier Risk: Heatmap | Lead Time Volatility | Cost Variance Table | FX Forecast

FX Risk: Monte Carlo Distribution | 5th-95th Band | Landed Cost Stress
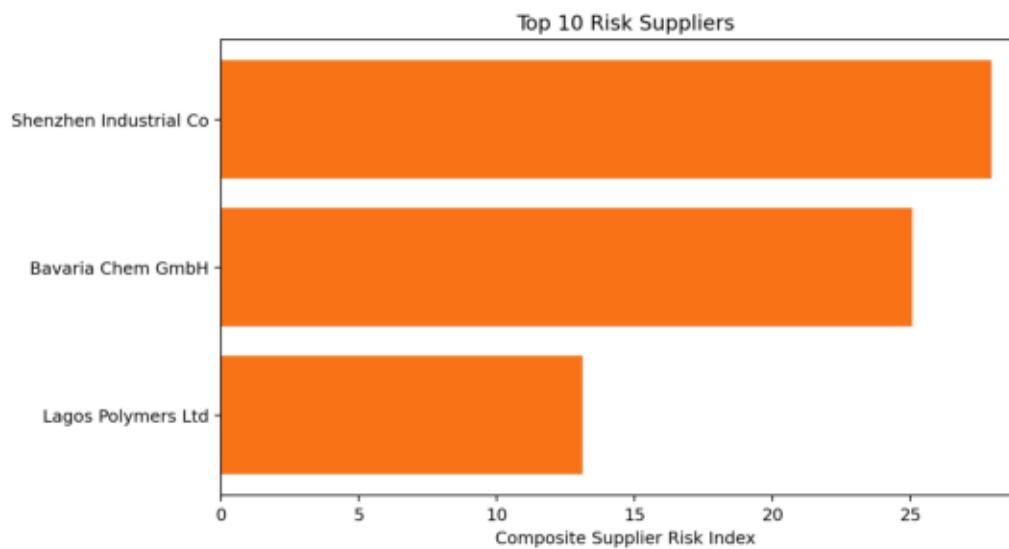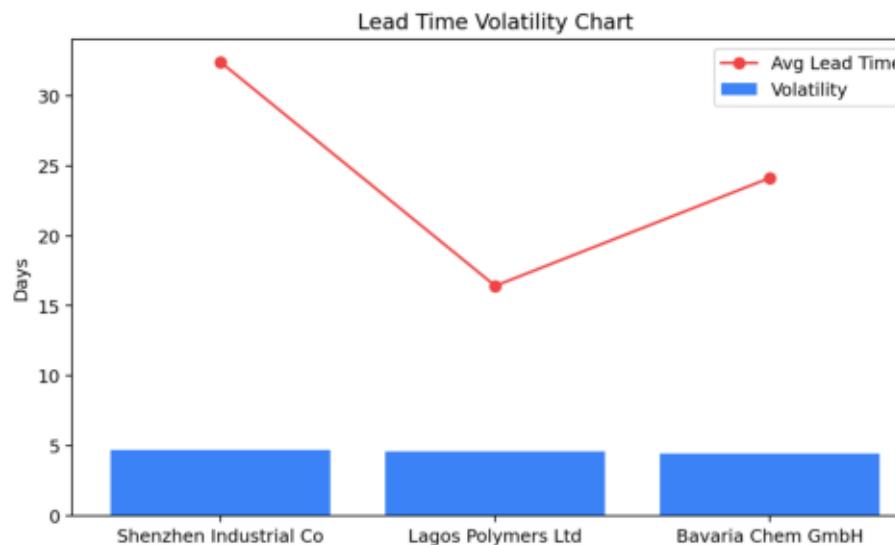
Working Capital: Inventory Trend | DPO vs DIO | CCC Trend

Optimization Estimator | Scenario Planning | Negotiation Insights

# Supplier Risk Ranking & Volatility

Risk Heatmap

# Supplier Risk Analysis

Lead Time Volatility Chart
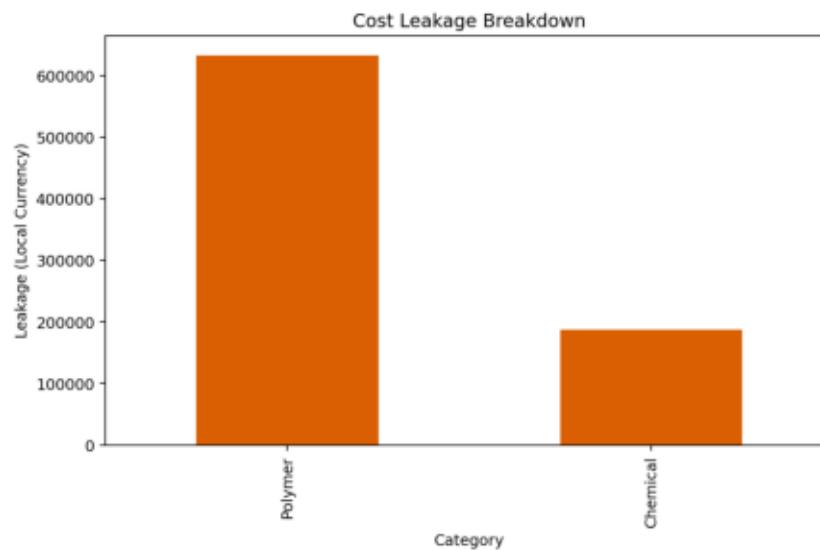
Top 10 Risk Suppliers
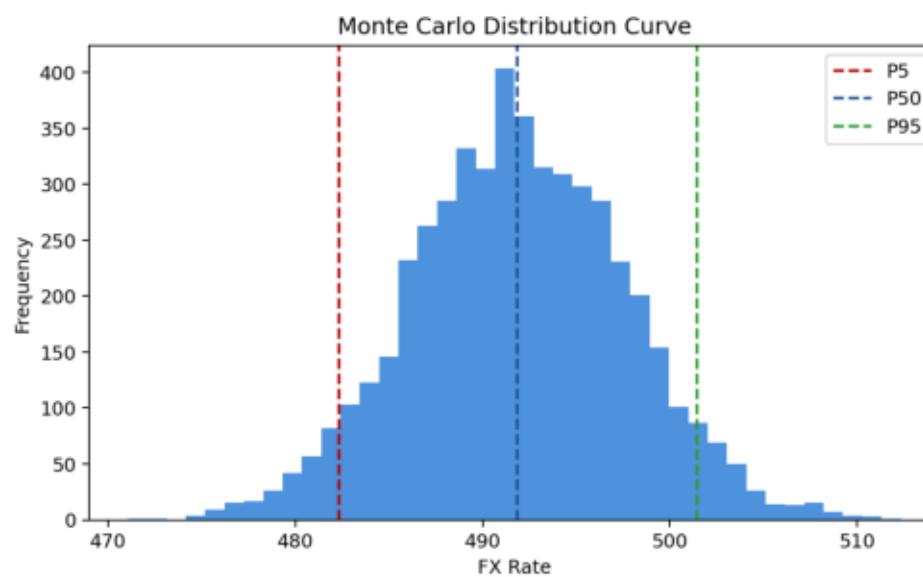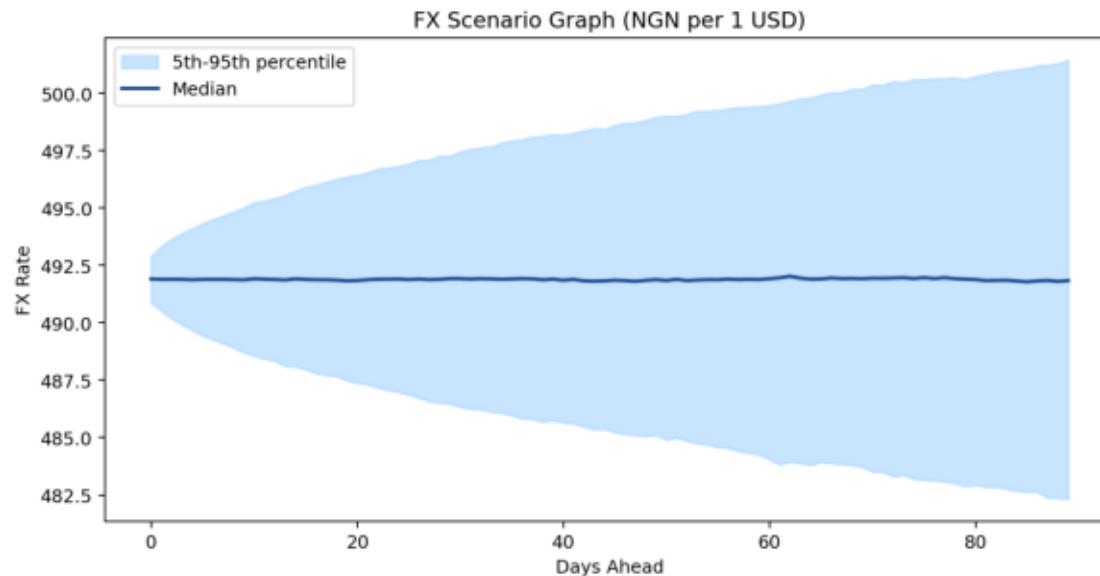
Cost Variance and Leakage

Cost Variance Table
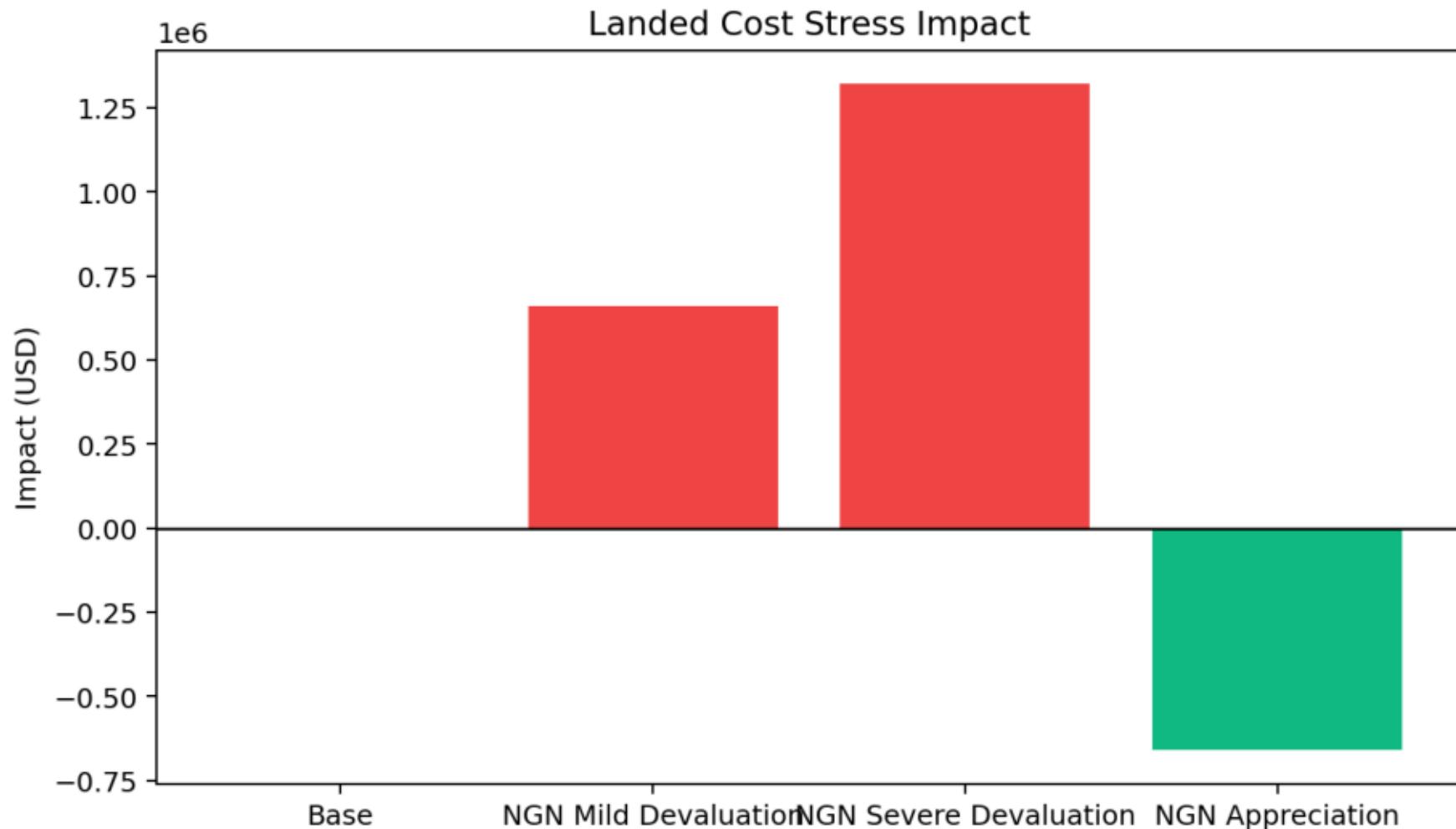
Supplier	Cost Variance %	Risk Score
Shenzhen Industrial Co	22.73	27.97
Lagos Polymers Ltd	22.33	13.12
Bavaria Chem GmbH	21.84	25.08

Cost Leakage Breakdown
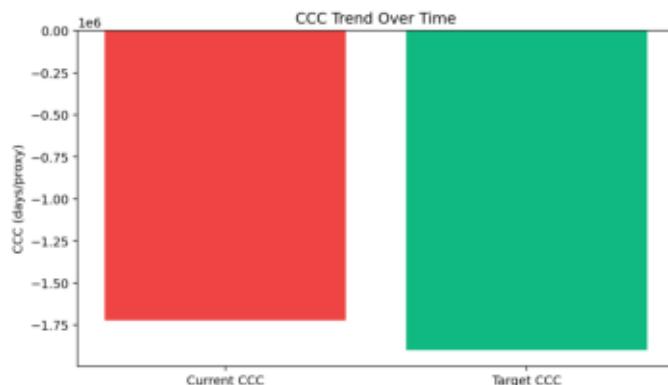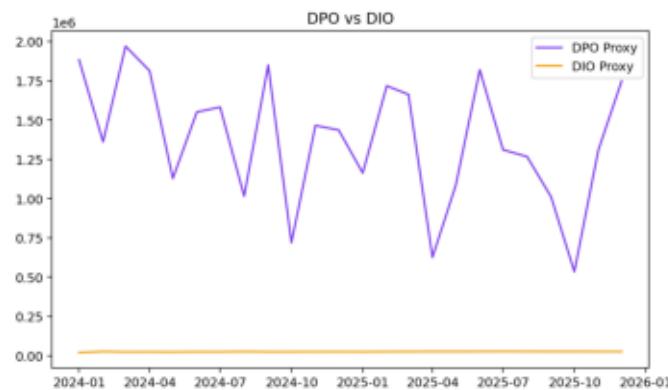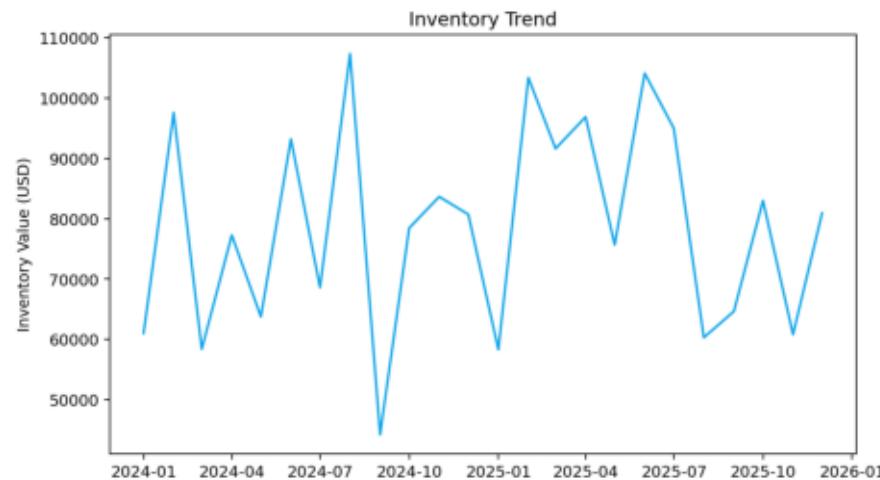
FX Scenario Planning: Monte Carlo Forecast

FX Scenario Graph (NGN per 1 USD)

Monte Carlo Distribution Curve

Landed Cost Stress Impact

Working Capital Optimization

Inventory Trend

DPO vs DIO

CCC Trend Over Time

Optimization Opportunity Estimator

Optimization Opportunity Estimator