CYBER KNIGHTS
PRESENTS

KINGPIN LOGISTICS

DYNAMIC SUPPLY CHAIN RISK
PREDICTION MODEL

LOGISTICS AND SUPPLY CHAIN

PROBLEM STATEMENT

Nokia’s global supply chain depends on electronic components sourced from multiple regions.

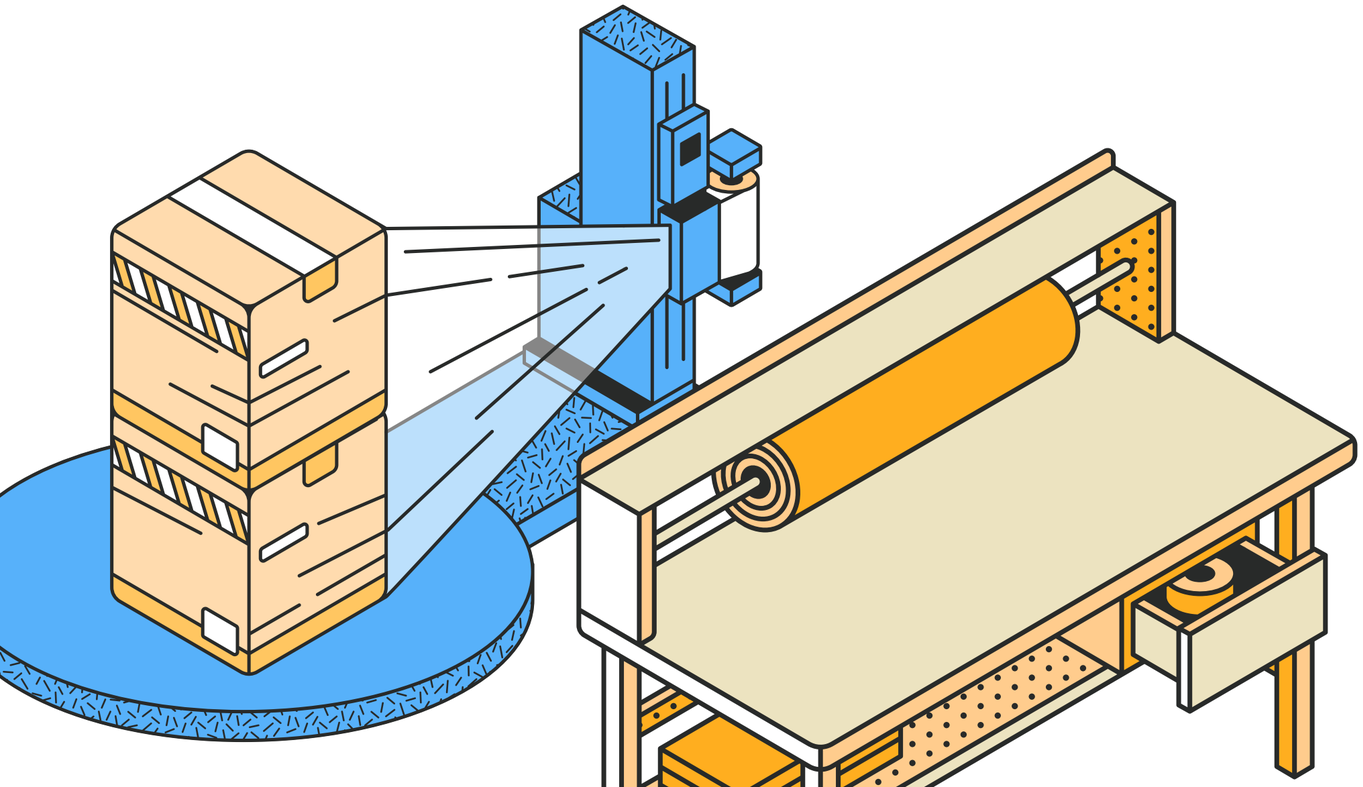
Disruptions like strikes, floods, or political instability create sudden delays in critical component delivery.

Without predictive intelligence, Nokia faces downtime, cost escalation, and loss of competitive edge.

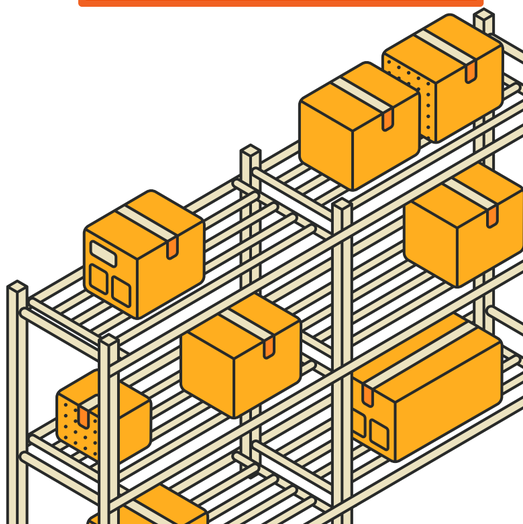
DYNAMIC SUPPLY CHAIN RISK PREDICTION

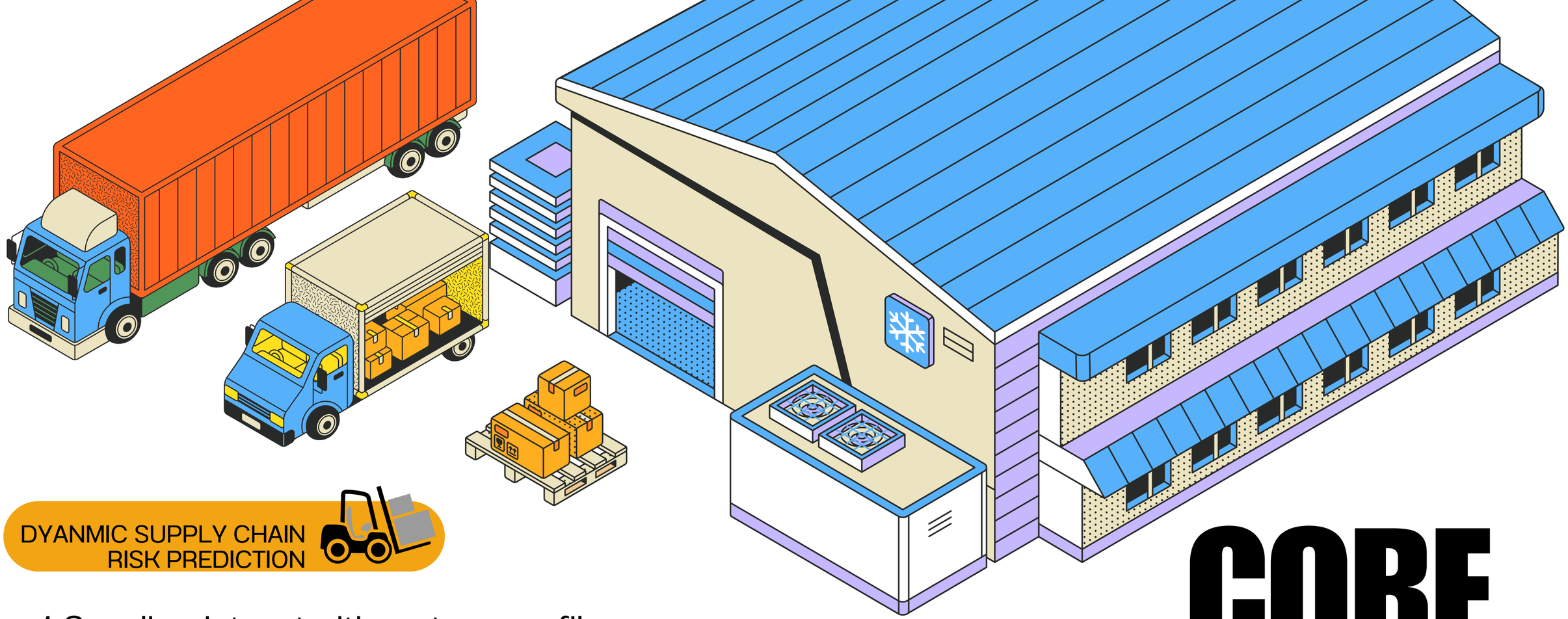
DYNAMIC SUPPLY CHAIN
RISK PREDICTION

PROPOSED SOLUTION



- Ingests live feed from news APIs, weather APIs and Logistics Data
- Custom Risk scoring engine which classifies events and maps to Nokia Cordinates
- Predictive model shows the possible risk for particular supplier
- INTERACTIVE DASHBOARD (MAP + TABLES) TO VISUALIZE RED ZONES.

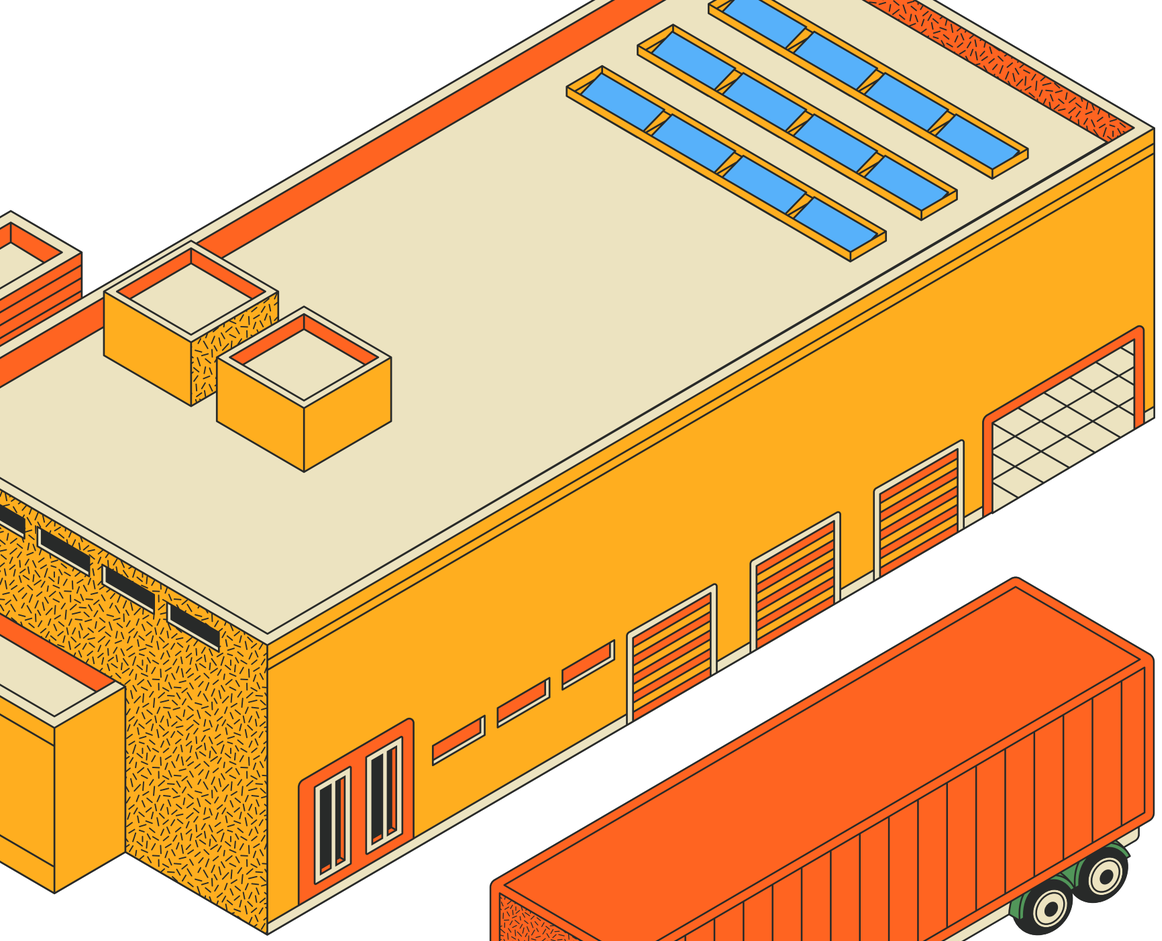




DYANMIC SUPPLY CHAIN
RISK PREDICTION

CORE FEATURES

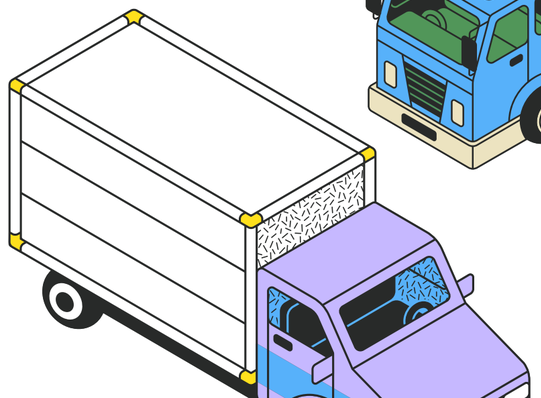
1. Supplier dataset with routes + profiles.
2. Risk scoring logic (Event + Criticality + Route).
3. Dashboard with map + risk heat indicators.
4. API integration.

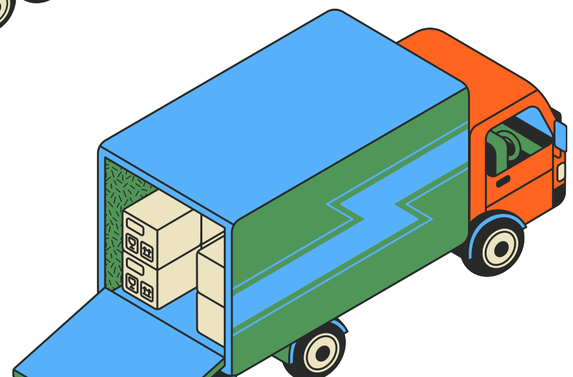


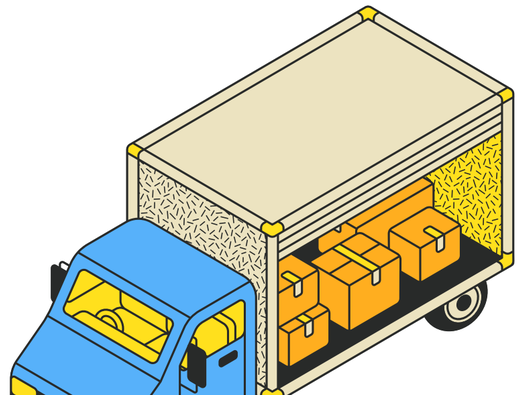
SHODWE INDUSTRIES

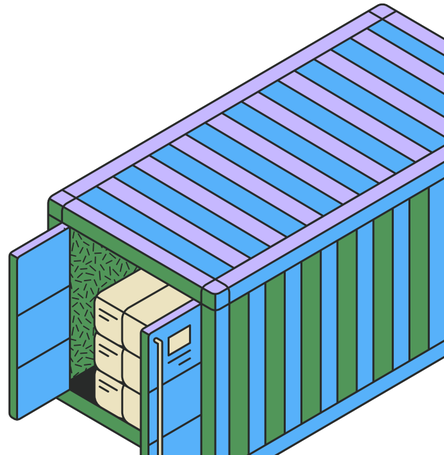
IMPACT

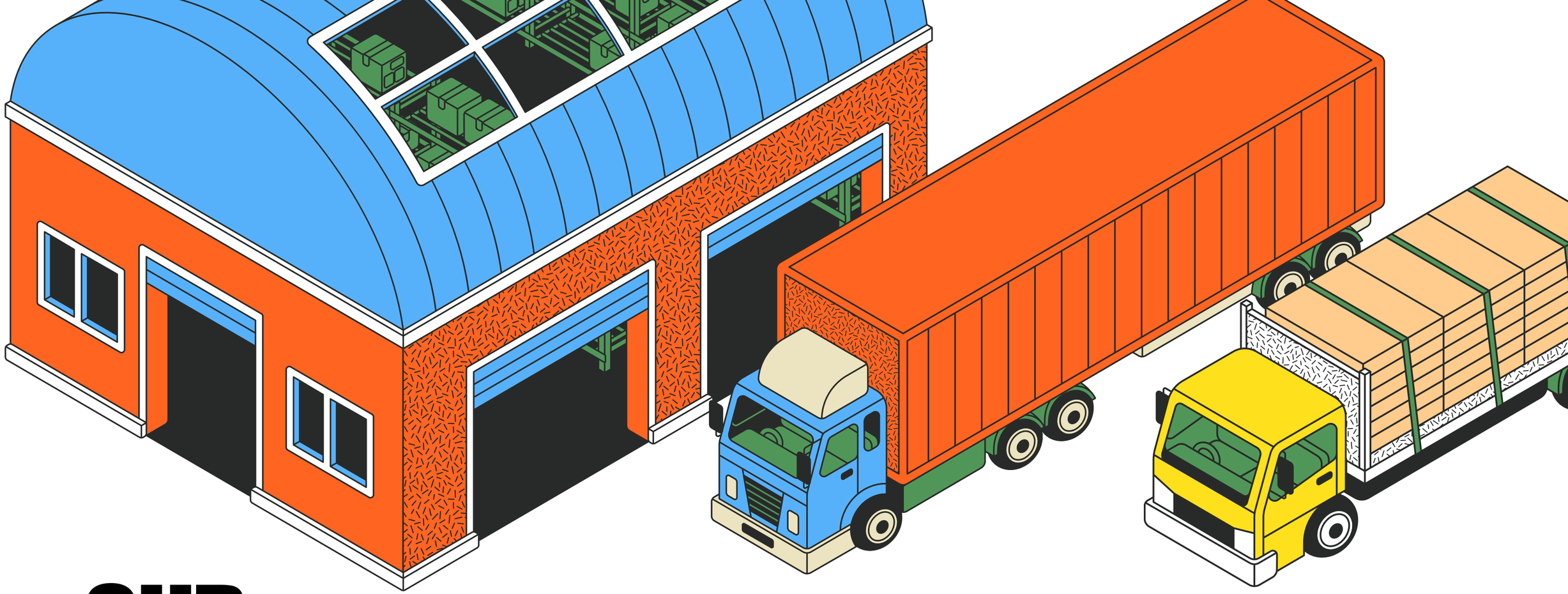
- Fewer production delays → saves millions.
- Proactive planning → alternate suppliers before crisis.
- Scalable AI system → grows with global data.











OUR ARCHITECTURE

Data Ingestion → Risk Engine → Dashboard

- APIs: News API, Weather API
- Processing: Python (Flask/FastAPI)
- Frontend: Figma prototype + web demo
- AI: Rule-based scoring + GPT integration

Demo Flow

1. Input : Structuring Nokia Suppliers
2. Risk Scoring Engine
3. Dashboard (map+table)
4. Event Simulation
5. GPT Integration