



Resilience AI

## Building Resilience At Every Step Resilience AI

Warehouse downtime is equal to  
profit leak

1 week of closure in a Tier-1 fulfillment  
hub can wipe \$12M–\$75M from quarterly  
forecasts  
(McKinsey, 2024)

**\$3B+ goods lost to floods and fires in 2023 (Munich Re)**  
How much disruption are supply chains silently  
stocking?

Supply chains still rely on static environment audits, paper SOPs,  
and generic climate risk assessment. **The assumption?**

- ▶ Disruption is upstream or downstream—not inside the warehouse and supplier centre
- ▶ Risk is climatic—not at geolocation and building structure
- ▶ Supply resilience of supplier centre and warehouse is a Facilities issue—not a Supply Chain and Sourcing concern
- ▶ Loss of supplies during disaster is lower than investment in preparing supplier centres to warehouses before disaster

**That's a blind spot when:**

- ▶ Only 18% of global warehouses are mapped for natural disaster risk (WEF, 2024)
- ▶ \$1.5T in global trade flows through warehouse networks each year (World Bank, 2023)
- ▶ 65% of global supply chains now face disruption from climate-linked disasters (BCG, 2024)
- ▶ 4 out of 5 logistics firms misjudge regional heat and flood exposure at the warehouse level (OECD, 2024)
- ▶ ESG audits miss real costs — business continuity, insurance premiums

### Legacy limitations



Imprecise Mapping,  
Generic GIS & satellite overlay



Unscalable Scoring, fail at  
portfolio scale



Superficial Checks. Checkbox  
exercises or outsourced



No Real-time, failing at crucial  
disaster readiness & damage  
audit



Highly uncertain stress testing models  
missing parametric at built environment



Reactive Compliance, backward-looking  
posture for TCFD/SEND AI compliance



**Warehouse and Sourcing teams know  
risk is rising**

**So, what's Missing**

Supplier / Supplies Site Resilience = Supply continuity

Warehouses and Sourcing aren't just square footage—they're operational nerve centers. Modeling disaster and environment is complex and needs technology that is missing in traditional or static models to score exposure—at high accuracy, fast-speed, near real-time, large scale, low cost

**Where risk models  
fall short**

- ▼ Inventory Losses
- 🔥 Heat Downtime
- 🛡️ Coverage Gaps
- 📊 Static Risk Scores
- 📍 Location ≠ Exposure

**Why it leads to half measures**

- 📄 SOPs, Not Scenarios
- 📊 Dashboard Lag
- 🔥 Compliance Blindspot
- 🌊 No Flood Baseline
- 📊 CFO Blindspot

Warehouses and enterprises need a system that scores, scans, flags, and reports on multiple parametric-before sanction, not after disaster

- ▶ Multi-hazard risk
- ▶ Built-environment
- ▶ Hyperlocal
- ▶ Software AI/ML
- ▶ Saves Cost
- ▶ Scalable
- ▶ Audit-proven
- ▶ Budget aligned

Learn more: [www.resilience360.ai](http://www.resilience360.ai)

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How resilient is your warehouse and logistics backbone to climate and physical stress?

Resilience360 helps logistics and warehouse teams assess, plan, and act on risk—fast. It’s plug-and-play, scalable, and delivers building-level insights to guide upgrades like drainage retrofits, ventilation tuning, material swaps, and route re-routing.

Perfect For:

- **Supply Chain Heads:** Need full-route risk visibility
- **Risk & Compliance Teams:** Need real-time exposure baseline for audits and safety
- **Warehouse Ops Managers:** Need site-level alerts and retrofit suggestions
- **Procurement Teams:** Need location-aware sourcing and vendor routing options
- **CFOs & Inventory Planners:** Need stock safety insights to cut losses and ensure continuity

WORKFLOW USE CASES

Workflow	Legacy Challenge	Resilience360™
Risk Baseline	Generic regional risk data. No building-level insight	<b>ResScore™, ResSolv™</b> Scans warehouses and hubs for multi-hazard risk at hyperlocal level.
Insurance Readiness	No climate-specific coverage, unclear exposure data	<b>ResScore™, ResSuite™, ClimateGuru™</b> Builds asset-level risk narrative, enables smart coverage.
Inventory Planning	Plans miss climate shocks, stockouts, spoilage, delays	<b>ResHub™, Act4Impact™</b> Triggers climate-linked reorder logic and mitigates downtime
Facility Site Selection	Sites chosen without climate, terrain, or water risk input	<b>ResSolv™, ResAtlas™, ClimateGuru™</b> Optimizes site picks using environmental risk intelligence
Resilience Reporting	Manual audits, fragmented ESG/disaster disclosures	<b>ResScore™, ResSuite™, ClimateGuru™</b> Automates facility-level climate and ESG reporting
Early Warning & Monitoring	No site-specific alerts or real-time updates	<b>ResHub™, ResAtlas™, ClimateGuru™</b> Enables early alerts with asset-level adaptation signals
Post-Event Decision Support	Poor visibility post disaster, reactive decisions	<b>ResSuite™, ResHub™</b> Provides site impact triage, recovery planning, and loss containment

Feedback loop

Resilience360™	Products Description
<b>Resilience Hub</b>	<b>ResHub™</b> Interactive dashboard with asset risks exposure, past disaster events, early warnings, parametric insights
<b>04 SCALE</b> Digitized Marketplace	<b>ClimateGuru™</b> Upgrade policies (ESG, EHS, building design), design architecture and build adaptive capacity
<b>03 ACTION</b> Reduce Risk with controls and compliance	<b>Act4Impact™</b> Convert insights into metric driven action through automated adaptation activities, strategies, and risk mitigation
<b>02 PLAN</b> Diagnose and Analyse root cause of Risk	<b>ResSuite™</b> Repository with environmental impact analysis, disaster insights, RCP scenarios, value at risk. <b>ResAtlas™</b> Empowers data-driven Atlas of natural resources such as Solar, Water, Vegetation
<b>01 DETERMINE</b> Baseline Risk exposure of Buildings to Business	<b>ResSolv™</b> Creates hyperlocal risk profiles using spatial, climate, and built-environment data—scalable from one building to an entire city <b>ResScore™</b> Calculate organisation’s resilience to assess readiness, peer benchmark and adherence to TCFD, ESG standards

IMPACTFUL SOLUTIONS



Reliable AI/ML at >90% accuracy with 20+ environment and built environment parameters



Near real-time updates for 6 types of disasters (urban flood, coastal flood, earthquake, heatwave, cyclone) with 730,000+ building risk records in 50 cities



Business Resilience Playbook – Tailored business continuity plan with financial metrics (cost of action vs inaction)



Baseline asset resilience in 30minutes and business resilience in 60minutes



Easy to scale - Easy to use integrates with systems, unifies physical & transition risk



Cost efficient tiered pricing-Lite, Basic, Pro-edition for on demand preparedness

WEF’s 2024 study urges climate-proof supply chains—yet most warehouses still operate without site-level risk data.  
Let’s change that—one asset, one insight at a time

Learn more: [www.resilience360.ai](http://www.resilience360.ai)  
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